



Feel comfortable in your building

# General catalog 2026



CASAMBI

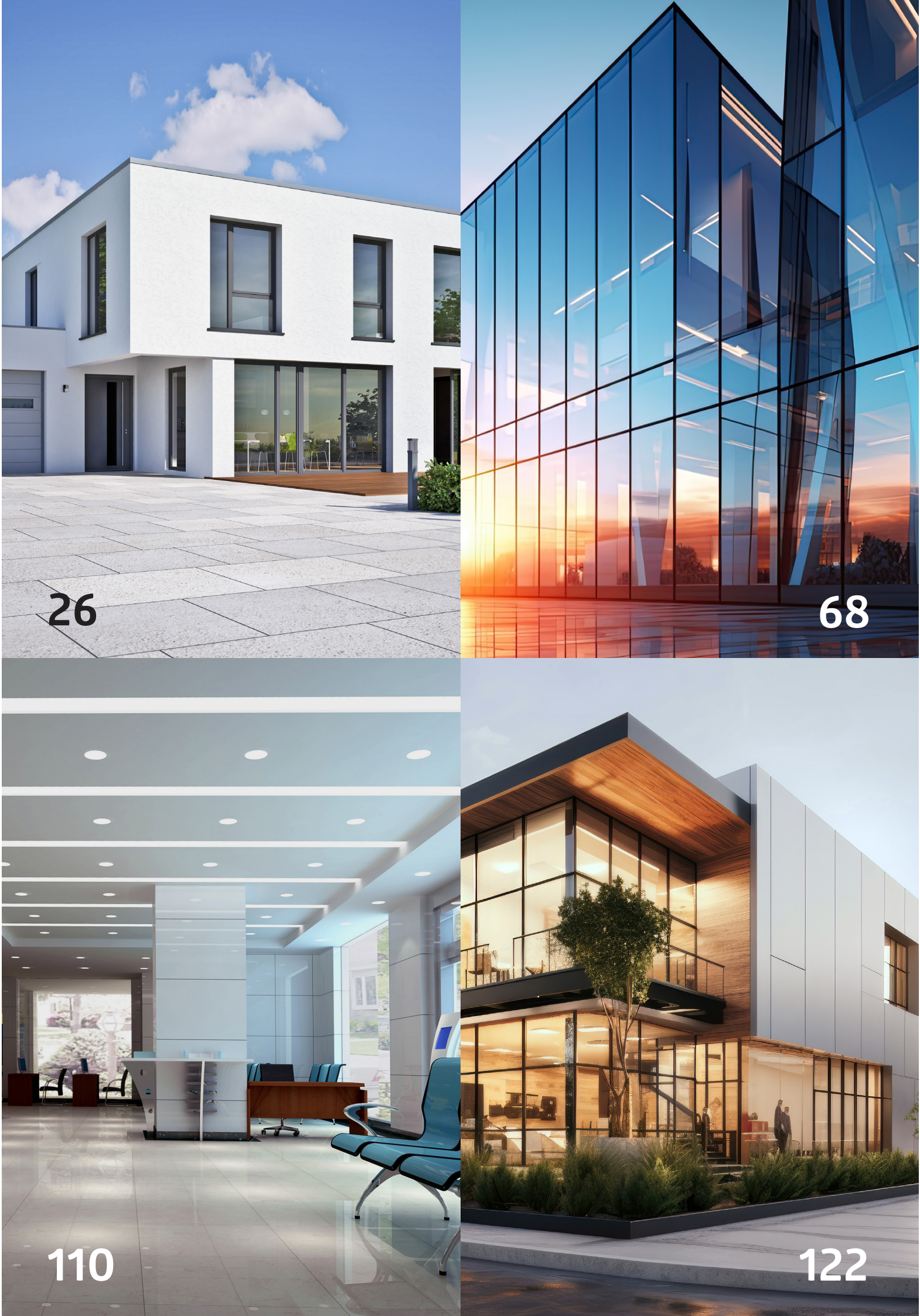


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26

68

110

122



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# HISTORY

**2025**

50th company anniversary - B.E.G. encompasses 16 international branches

**2021**

Commissioning of the AutoStore

**2020**

Expansion of the central warehouse to 8,000 square meters on the occasion of the company anniversary

**2017**

The former administrative headquarters of B.E.G. is being converted into a research and development centre with its own lighting laboratory.

**2014**

Administration and training centre to be built

**2007**

Inauguration of the European sales and logistics centre with attached production and development department.

**2000**

Development of presence detectors with brightness sensors for daylight-dependent lighting control

**1999**

Establishment of a branch office in France

**1986**

Manufacture of motion detectors and automatic lighting.  
The LUXOMAT® trademark is registered.

**1975**

Company founded through the development of emergency lighting

For 50 years, the internationally active family-owned company B.E.G. Brück Electronic GmbH, headquartered in Lindlar in the Oberberg region, has stood for quality and innovation. Since the beginning, our employees have focused on customer satisfaction.

## 50 YEARS OF INNOVATIVE SPIRIT AND QUALITY

Since 1975, B.E.G. Brück Electronic GmbH has been synonymous with pioneering technology in the field of intelligent lighting solutions. As a family-owned company headquartered in Lindlar, B.E.G. has grown from a small manufacturer of emergency lighting to become a leading international specialist in motion and presence detection technology.

A decisive milestone was the introduction of motion detectors under the LUXOMAT® brand in 1986—at that time an industry innovation in Germany. Steady international expansion led to the establishment of branches in Europe and later worldwide, as well as continuous expansion of the product portfolio.

Today, 50 years after its founding, B.E.G. employs over 300 people in 16 countries and supplies customers worldwide. The company combines product quality with state-of-the-art technology—from its own research laboratory to highly automated logistics. The focus remains unchanged: innovative solutions and the highest level of customer orientation.





# Energy security & energy independence

*Species extinction, changing climate zones, and extreme weather events—global warming can no longer be denied. It is high time to take action: for the global community, but also for each individual. With B.E.G., saving energy means reducing costs and protecting the environment at the same time.*

Climate change: Hardly any other topic is discussed more frequently in the media. We can all feel that our climate is changing. Over the last 150 years, the average temperature on Earth has risen by 1 degree—and the trend is upward. The current global warming is largely influenced by humans. One of the main causes of warming is the greenhouse effect. This is caused, for example, by industry and transport, which use fossil fuels such as coal and oil. We are already feeling the consequences

of climate change today, as the list of climate changes is long. Heat waves, droughts, heavy rainfall events – these are all threats brought about by climate change. Global warming is also noticeable in Germany: the number of hot days is increasing, as the record summers of 2018, 2019, and 2022 have shown.

## The necessity of saving energy

In recent years, energy conservation has become an increasingly important issue and is now a major concern for individuals and industry alike. A key task is to contribute to the reduction of CO<sub>2</sub> greenhouse gases.

Politicians have recognized that something has to change: at the UN Climate Change Conference in Paris, almost all countries in the world agreed to reduce their greenhouse gas emissions. The global temperature increase should be significantly less than 2 degrees by 2100, preferably 1.5 degrees.

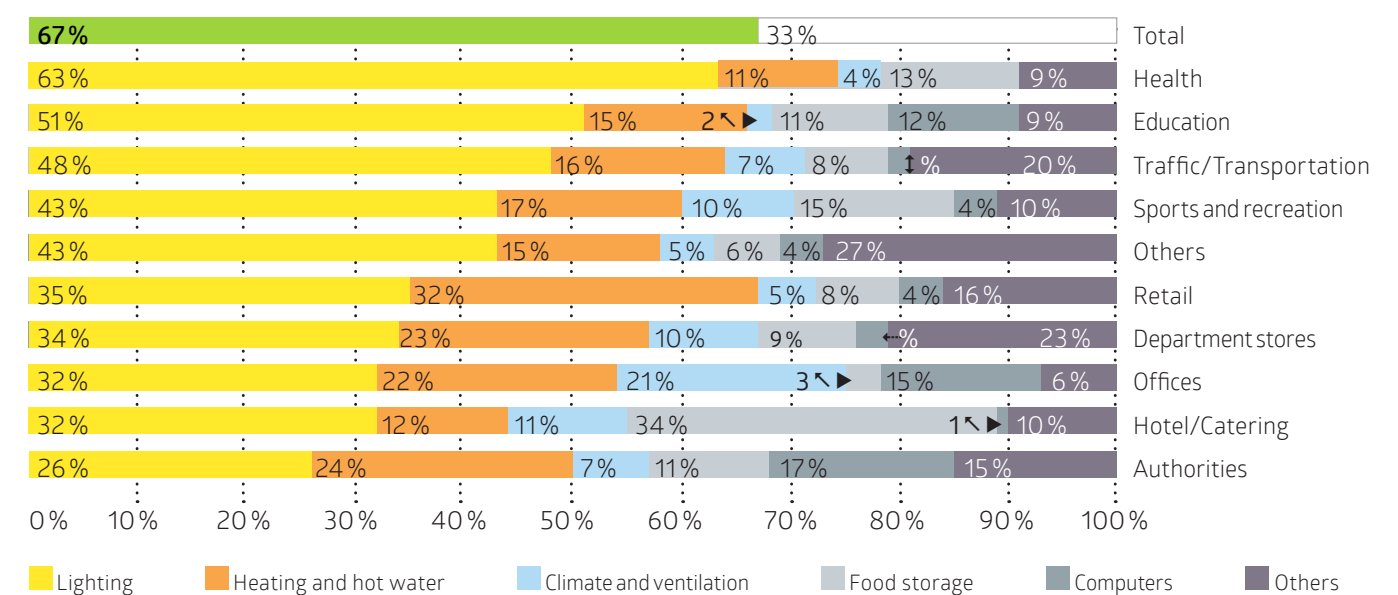
## Energy independence with B.E.G.

What will our energy supply look like in the future? How can we become less dependent and more climate-friendly? These are questions that have never been more relevant to us all than they are today.

The aim is to become less dependent on natural gas imports and to minimize the use of fossil fuels such as natural gas. B.E.G. has brought together a comprehensive range of energy-efficient products in its product range.

Measurements show that in a typical office in Central Europe, daylight provides up to 80% of the light during the summer months, meaning that the proportion of artificial light can be reduced to 20%.

Typical annual energy consumption (approximate values)







Our heat pump in the B.E.G. building

## Save energy and costs – Slow down climate change

38 % of global climate emissions are caused by the construction and operation of buildings. Against the backdrop of political uncertainty, skyrocketing energy prices, and the tangible effects of climate change , immediate action is required.

The aim in developing our B.E.G. motion and presence detectors is to switch lighting on and off as required and to achieve maximum energy savings, safety, and comfort. Artificial lighting is only used where it is needed, i .e., where building users are present.B.E.G. presence detectors continuously measure the available natural light and only dim as much artificial light as is necessary. This can significantly reduce energy consumption.

Today, two million B.E.G. sensors sold save 815,189,760 kWh annually. This corresponds to 11kg CO<sub>2</sub> per second. Join us! For a secure future!

## Certifications

In order to meet the requirements for a clean environment, we have developed products that contribute to needs-based and optimal light and heat management . In addition, B.E.G. complies with the latest environmental guidelines and standard requirements of the European Union.

## For an environment worth living in

*Energy is precious, which is why saving energy means protecting the climate and conserving environmental resources so that our habitats are preserved.*

Energy is a sought-after and scarce commodity. Rising prices, the energy transition, and the tangible effects of the climate crisis require us to rethink many areas of our lives. Buildings play a significant role in climate protection. They account for around 38% of our CO<sub>2</sub> emissions. Intelligent solutions are needed: one of these solutions is building automation.

### Saving energy made easy

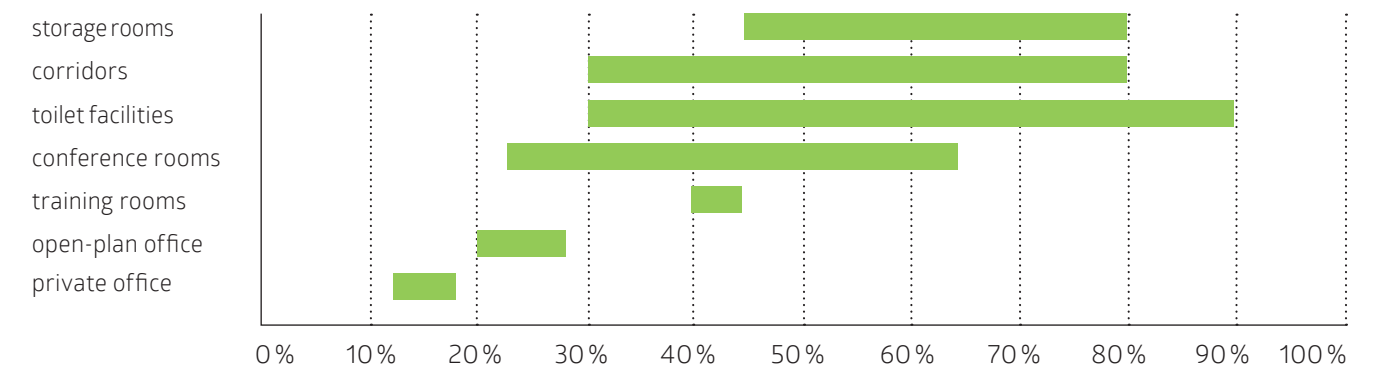
There is significant potential for savings in the field of building automation, both in commercial and private set-

tings. For example, intelligent lighting control can make a major contribution to reducing electricity consumption.

### For the sake of the environment

With B.E.G., saving energy also means reducing costs and protecting the environment. In order to meet the requirements for a clean environment , we have developed products that contribute to optimal light and heat management.

## Opportunities for energy and cost reduction with presence detectors



Lighting is a significant cost factor in energy consumption. In some buildings, it can account for up to 50% of total electricity costs.



# Customized building solutions

*The buildings of the future are automated, and there is a great need for energy-efficient, comfortable solutions. B.E.G. sensors and actuators are used worldwide, e.g., in the control of office buildings, industrial companies, production facilities, and logistics centres. You will find them in universities, schools, hotels, banks, shopping malls, parking garages, and many other properties.*

## Lighting, transmitted values Luminaires

- Operating hours of the luminaires, overview of service life for optimal maintenance planning
- Energy consumption measurement and trend analyses, identification of potential savings, and sustainable optimization of energy use
- Fault diagnosis EVG / DALI
  - Early detection of light source or EVG faults
  - Detection and display of DALI short circuits for quick troubleshooting

## Room climate & presence, transmitted values Occulog detector

- Presence status, recording of room usage for demand-based control of lighting and climate
- Temperature measurement, optimization of the indoor climate by controlling heating and cooling output for greater comfort and energy efficiency
- VOC and CO<sub>2</sub> monitoring of air quality for a healthy indoor climate
- Controlling humidity to regulate climate

## Emergency lighting, transmitted values Emergency lights

- General lighting and emergency lighting testing using the same DALI loop tests
- Function test for maximum safety and endurance test
- Digital test reports, complete documentation of all tests, sent by email

## Control function, transmitted values Consumer

- Check all connected devices and print out or email a "health list" in PDF format.
- Importing and placing connected devices in the floor plan
- Cloud connection and thus remote access
- Logic functions and scene configuration

We are proud to contribute to sustainable building operation.



Industries / Branches



School classes



Gymnasiums



## B.E.G. solutions at a glance



**KNX – THE SUSTAINABLE SOLUTION FOR BUILDING AUTOMATION**

### Comfort and energy efficiency with KNX

KNX leaves nothing to be desired. Lighting control, heating control, climate control, ventilation control, air quality control, blind control, and many technical installations—with KNX, the building becomes a functional unit and a modern feel-good space for all users.

Building automation is increasingly becoming standard practice, as it helps to reduce operating costs and emissions. In addition to improving the overall energy efficiency of buildings, KNX provides you with a secure, stable system offering exceptional interoperability and flexibility. KNX Secure ensures that KNX communication is particularly well protected against external interference and manipulation.

We provide support in setting up building automation with efficient, user-friendly tools. These ensure a reduction in workload. Choose KNX and B.E.G. In addition to sustainable, high-quality products, you will receive advice, planning support, and specialist training.



**DALI – FOR PROFESSIONAL LIGHTING CONTROL**

### Work productively while saving energy with DALI

Light not only makes us happy, it also influences our concentration and learning behavior. Modern building systems technology allows us to harness the positive effects of light so that we feel truly comfortable in buildings.

DALI is the globally established industry standard for dimmable lighting. DALI elevates lighting to a higher, extremely comfortable level of well-being. This begins as soon as the lights are switched on, when the lights in a room are dimmed up simultaneously via a soft start, which is easy on the eyes. Individual dimming allows the required illuminance or desired lighting atmosphere to be quickly created in the room.

Presence detectors and the integration of the DALI bus system alone can reduce energy consumption for lighting by 60-80%.

We have made it our mission to create solutions for every building. That is why we also offer our own developments, which are easy on the wallet and make working with DALI easy.

#### Select:

DACO: Single room solution  
DALI-LINK: Multi-room solution  
DALI-SYS: Building solution  
DALI BMS: DALI Sensors



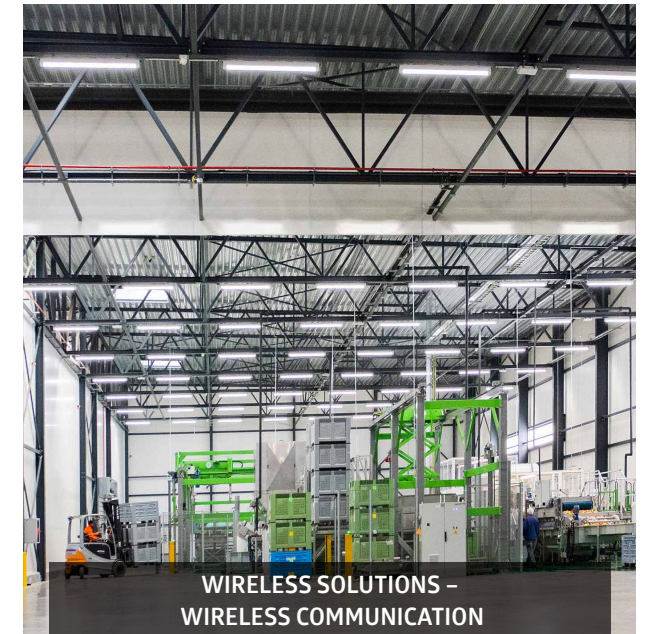
**BUILDING MANAGEMENT SYSTEM – CROSS-SYSTEM BUILDING AUTOMATION**

### The path to automated buildings that promote well-being

Heating, shading, temporarily excluding unused areas, increasing safety, enjoying comfort—the numerous demands placed on modern buildings for well-being are constantly increasing. With them, a market based on different systems is growing.

The aim here is to create intelligent networking and combine various components to achieve maximum efficiency for the building and for climate and environmental protection.

B.E.G. offers its own hardware solutions for efficient bus system networking, such as the DALI/KNX gateway or the Router2-DALI-SYS-BACnet-REG. If you need to integrate additional bus systems and communication protocols, we will be happy to assist you with the implementation.



**WIRELESS SOLUTIONS – WIRELESS COMMUNICATION**

### Greater comfort and higher energy efficiency thanks to modern building control systems—something many people would like to benefit from.

However, breaking open walls and installing new wiring is not always worthwhile. That is why we offer wireless solutions as an alternative, some of which can be installed with little or no additional wiring.

#### Casambi for lighting control and lighting design

Control lights, dim them, and change the light color—this is possible with DALI and the Casambi wireless solution. Finnish manufacturer Casambi has created an open, wireless lighting control platform based on Bluetooth Low Energy (BLE). It enables control via mobile devices such as smartphones and tablets. Renowned manufacturers around the world have now equipped a wide range of devices such as lights, controllers, buttons, and sensors with a Casambi chip.

B.E.G. offers the successful PD4-GH, PD4N, and PD2N presence detectors with Casambi and additionally for Casambi with DALI.





# Range overview depending on mounting height

# Range overviews

PD2/PD2N, PD3/PD3N, PD9, PICO

Range (circular detection area) at T=18°C			
Mounting height	seated activity	walking transversal	walking directly towards the detector
2 m	Ø 3 m	Ø 8 m	Ø 5 m
2.5 m	Ø 4 m	Ø 10 m	Ø 6 m
3 m	Ø 5 m	Ø 12 m	Ø 7 m
3.5 m	-	Ø 14 m	Ø 9 m
4 m	-	Ø 16 m	Ø 10 m
4.5 m	-	Ø 18 m	Ø 11 m
5 m	-	Ø 20 m	Ø 12 m

PD4/PD4N

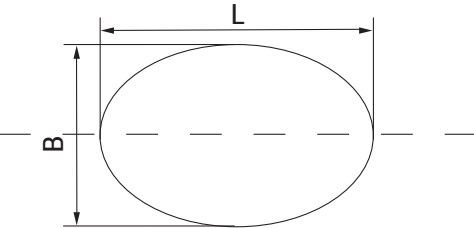
Range (circular detection area) at T=18°C			
Mounting height	seated activity	walking transversal	walking directly towards the detector
2 m	Ø 5 m	Ø 17 m	Ø 6 m
2.5 m	Ø 6 m	Ø 24 m	Ø 8 m
3 m	Ø 8 m	Ø 29 m	Ø 10 m
3.5 m	Ø 9 m	Ø 34 m	Ø 11 m
4 m	-	Ø 39 m	Ø 14 m
5 m	-	Ø 48 m	Ø 16 m
10 m	-	Ø 48 m	Ø 16 m

PD11

Range (circular detection area) at T=18°C			
Mounting height	seated activity	walking transversal	walking directly towards the detector
2 m	Ø 2 m	Ø 7 m	Ø 5 m
2.5 m	Ø 3 m	Ø 9 m	Ø 6 m
3 m	Ø 4 m	Ø 11 m	Ø 7 m
3.5 m	Ø 4 m	Ø 13 m	Ø 8 m
4 m	Ø 5 m	Ø 14 m	Ø 10 m
4.5 m	Ø 5 m	Ø 16 m	Ø 11 m
5 m	Ø 6 m	Ø 18 m	Ø 12 m

PD4-GH

Range (oval detection area) T=18°C		
Mounting height	in longitudinal axis (L)	90° to the longitudinal axis (B)
5 m	Ø 26 m	Ø 18 m
6 m	Ø 26m	Ø 18 m
7 m	Ø 28 m	Ø 19 m
8 m	Ø 28 m	Ø 19 m
9 – 16 m	Ø 30 m	Ø 19 m



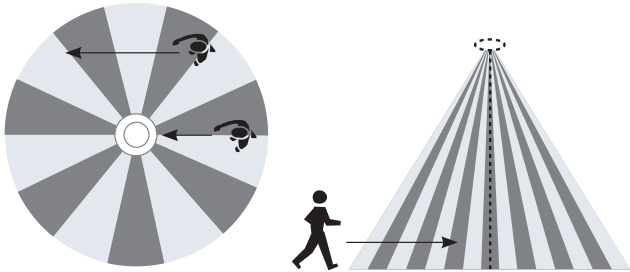
PD5N

Range (circular detection area) at T=18°C			
Mounting height	seated activity	walking transversal	walking directly towards the detector
2.5 m	Ø 4 m	Ø 12 m	Ø 5 m
3 m	-	Ø 12.8 m	Ø 5.6 m
4 m	-	Ø 14.4 m	Ø 6.8 m
5 m	-	Ø 18.2 m	Ø 8 m

Aleum / Aleum Glow

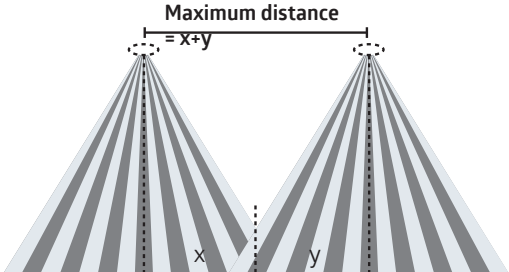
Range (horizontal detection area) at T=21°C				
		walking directly towards the detector	walking transversal	Anti-creep protection
<div> <div></div> <div>Min</div> <div>Max</div> </div>	MIN	r = 1 m	r = 3 m	
	50	r = 3 m	r = 10 m	r = 3 m
	MAX	r = 5 m	r = 16 m	

Detector positioning



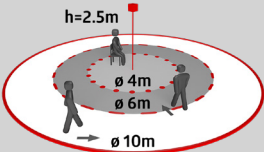
Maximum motion detection is achieved when walking across the detector, not when walking directly towards it. This should be taken into account, especially for corridors.

Detector spacing



To rule out possible 'dead zones', detection areas may overlap.

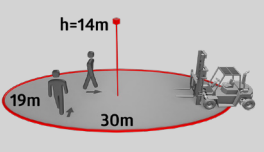
PD2/PD2N, PD3/PD3N, PD9, PICO



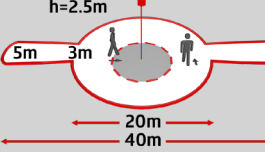
PD4/PD4N



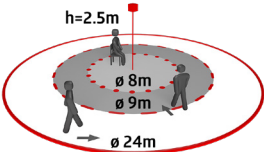
PD4-GH



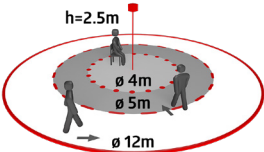
PD4-K



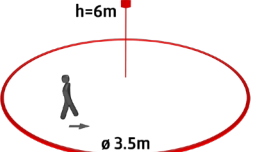
PD4-DS



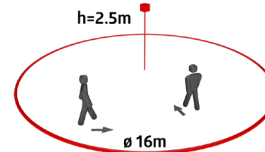
PD5N



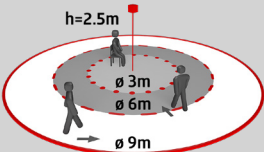
PD9-GH



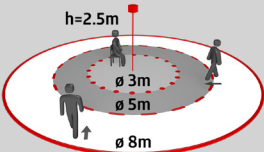
HF-MD1/HF-MD2



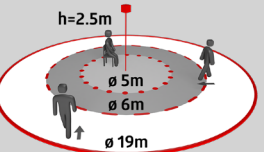
PD11



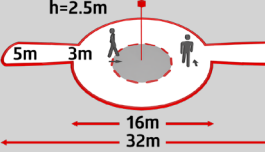
BL2



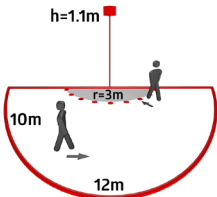
BL4



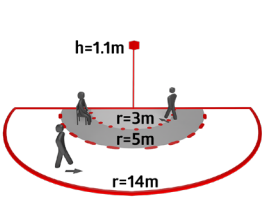
BL4-K



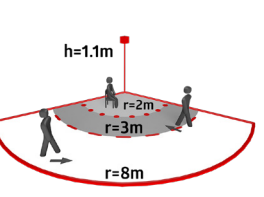
Indoor 180



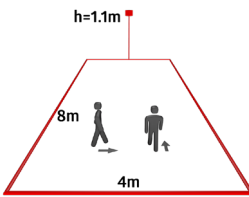
Indoor 180N



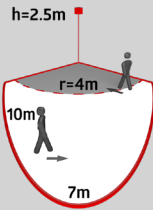
Indoor140 L



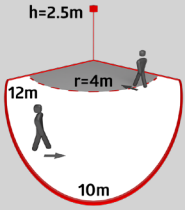
Indoor HF



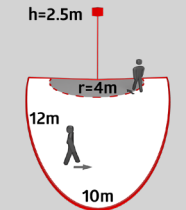
LC-Mini 120



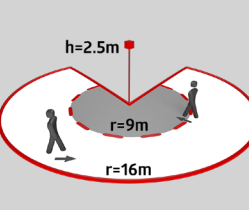
LC-Click 140/ LC-Click-N 140



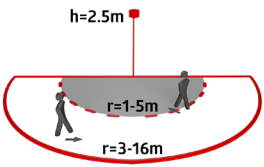
LC-Click 200/ LC-Click-N 200



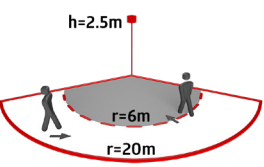
LC-plus 280



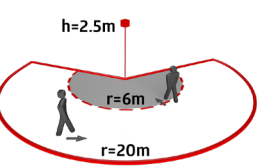
Aleum / Aleum Glow



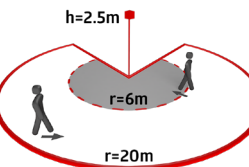
RC-plus next N 130








RC-plus next N 230






RC-plus next N 280







































Typical applications	Outdoor area	Private office	Entrance area	High-bay warehouse	Open-plan office	Conference rooms	Classroom	Corridor	Sports hall	Storage rooms	Underground car park	Toilets	Utility room	Stairwell	<div>1C</div>	<div>2C</div>	<div>3C</div>	<div></div>	<div>PS</div>	<div>LV</div>	<div>LTMS</div>	<div>S</div>	<div>DACO®</div>	<div></div>	<div></div>	<div></div>	<div></div>	<div>CASAMBI</div>		
	Aleum / Aleum Glow – 180°, PIR, max. r=16m, 400m², IP54															<div><input type="checkbox"/> 93132</div> <div><input checked="" type="checkbox"/> 93134</div>									<div><input type="checkbox"/> 93555</div> <div><input checked="" type="checkbox"/> 93556</div>					
	RC-plus next N – 130°, PIR, max. r=20m, 450m², IP54 / 230°, PIR, max. r=20m, 800m², IP54 / 280°, PIR, max. r=20m, 970m², IP54																													
	130°															<div><input type="checkbox"/> 93321</div> <div><input checked="" type="checkbox"/> 93323</div> <div><input checked="" type="checkbox"/> 93324</div>	130°													
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	LC-plus – 280°, PIR, max. r=16m, 620m², IP54															<div><input type="checkbox"/> 91008</div> <div><input checked="" type="checkbox"/> 91028</div> <div><input checked="" type="checkbox"/> 91018</div> <div><input checked="" type="checkbox"/> 91048</div>											<div><input type="checkbox"/> 93308</div>			
	LC-Click-N – 140°, PIR, max. r=12m, 170m², IP54 / 200°, PIR, max. r=12m, 250m², IP54																													
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LC-Mini – 120°, PIR, max. r=10m, 100m², IP44																														
<div><input checked="" type="checkbox"/></div>																							<div><input type="checkbox"/> 93541</div>							




All housing combinations and colour variants can be found on page 130 and on our website.

1C = 1 channel | 1C-Micro = 1 channel with acoustic sensor | 1C-NO-PF = 1 channel potential-free | 2C = 2 channels | 3C = 3 channels | 3P = 3 phases |  = Staircase | DS = 2 phases  
PS = Positive safety | LV = Low voltage | LTMS = Proprietary bus systems | S = Slave device | DACO = DALI compact  
FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted |  = FM with frame |  = FM without frame








Typical applications	Outdoor area	Private office	Entrance area	High-bay warehouse	Open-plan office	Conference rooms	Classroom	Corridor	Sports hall	Storage rooms	Underground car park	Toilets	Utility room	Stairwell																	
	Indoor 180N – 180°, PIR, max. r=14m, 300m², IP20																														
		■	■					■				■	■	■	 93260																
															 93262																
	Indoor HF – 180°, HF, 8x4m, 32m², IP20																														
		■					■								 93261																
															 93263																
Indoor 180 – 180°, PIR,max. 10m, 150m², IP20																															
	■	■					■					■	■	■	 92623	 92136		 92621	 92650			 92135		 93540			 93524				
															 92665	 92661		 92666	 92668			 92660				 93525					
																		 92667													
Indoor 140-L – 120°, PIR, max. r=8m, 67m², IP20																															
		■											■	■	 94328																
															 94325																




All housing combinations and colour variants can be found on page 130 and on our website.

1C = 1 channel | 1C-Micro = 1 channel with acoustic sensor | 1C-NO-PF = 1 channel potential-free | 2C = 2 channels | 3C = 3 channels | 3P = 3 phases |  = Staircase | DS = 2 phases  
PS = Positive safety | LV = Low voltage | LTMS = Proprietary bus systems | S = Slave device | DACO = DALI compact  
FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted |  = FM with frame |  = FM without frame








Typical applications	Outdoor area	Private office	Entrance area	High-bay warehouse	Open-plan office	Conference rooms	Classroom	Corridor	Sports hall	Storage rooms	Underground car park	Toilets	Utility room	Stairwell		<div>1C</div>	<div>1C Micro</div>	<div>1C NO-PF</div>	<div>2C</div>	<div>LV</div>	<div>24V</div>	<div>24V LED</div>	<div>24V 2W</div>	<div>DACO®</div>	<div>BMS</div>	<div>DALI-LINK</div>	<div>DALI-SYS</div>	<div>KNX</div>	<div>CASAMBI</div>			
	PD3 – 360°, PIR, max. Ø 10m, 78m², IP20 / IP44																															
											■		■	■	■		FC 92197															
																	SM 92194															
	PD3N – 360°, PIR, max. Ø 10m, 78m², IP20 / IP23 / IP44																															
											■		■	■	■		FC 92196	FC 92184	FC 92576	FC 92198												
																	FM 92186	SM 92219		FM 92188												
																	SM 92190															
	PD4N – 360°, PIR, max. Ø 24m, 450m², IP20 / IP23 / IP44																															
											■	■	■		■		FC 92149															
																	FM 92151															
																SM 92144																
PD4N-C – 360°, PIR, max. 40x5m, 250m², IP23 / IP44																																
								■								FC 92274																
																SM 92270																
PD9 – 360°, PIR , max. Ø 10m, 78m², IP20																																
										■		■	■	■		FC 92902					FC 92985	FC 93211	FC 93210	FC 93213								
HF – 360°, HF, max. Ø 16m, 200m², IP20																																
								■		■	■	■	■	■		FM 94401																
																SM 94402																
BL2 – 360°, PIR, max. Ø 8m, 50m², IP23																																
										■		■	■	■		FC 93317																
BL4 – 360°, PIR, max. Ø 19m, 280m², IP20																																
										■	■					FC 93288																
BL4-C – 360°, PIR, max. 32x5m, 200m², IP20																																
								■								FC 93284																




All housing combinations and colour variants can be found on page 130 and on our website.

1C = 1 channel | 1C-Micro = 1 channel with acoustic sensor | 1C-NO-PF = 1 channel potential-free | 2C = 2 channels | 3C = 3 channels | 3P = 3 phases |  = Staircase | DS = 2 phases  
PS = Positive safety | LV = Low voltage | LTMS = Proprietary bus systems | S = Slave device | DACO = DALI compact  
FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted |  = FM with frame |  = FM without frame








Typical applications	Outdoor area	Private office	Entrance area	High-bay warehouse	Open-plan office	Conference rooms	Classroom	Corridor	Sports hall	Storage rooms	Underground car park	Toilets	Utility room	Stairwell		1C	2C	3C	3P	DS	PS	LV	LTMS	S	DACO®							
PD2 – 360°, PIR,max. Ø 10m, 78m² IP20																																
	■	■										■	■	■		FC 92565 FM 92555 SM 92550	FC 92165 FM 92155 SM 92150						FC 92164 SM 92154 FC 92306 SM 92305		FC 92166 FM 92156 SM 92152							
PD2N – 360°, PIR, max. Ø 10m, 78m² IP20																																
	■	■										■	■	■		FC 94055								FC 92119	FC 93240	FC 93452 FC 93455 FC 93453	FC 93543 FM 93544		FC 93369 FM 93368	FC 93533 FM 93534	FC 93476 FC 93477	
PD4 – 360°, PIR, max. Ø 24m, 450m² IP20 / IP54																																
			■	■	■	■			■	■	■					FC 92585 FM 92575 SM 92580	FC 92148 FM 92255 SM 92140	FC 92745 SM 92740			FC 92760 SM 92761				FC 92254 FM 92163 SM 92142 FC 92721 SM 92759	FC 93484 SM 93485 FC 92591 SM 92743						
PD4-C – 360°, PIR, max. 40x5m, 250m², IP20 / IP54																																
							■									FC 92586 SM 92587	FC 92143 SM 92440		FC 92746 SM 92747		FC 92480 SM 92485			FC 92444 SM 92442								
PD4-GH – 360°, PIR, max. 30x19m, 440m², IP20 / IP54																																
			■					■								SM 92245									SM 92265	SM 93469	SM 93545	SM 93845	SM 93345	SM 93518	SM 93479 SM 93478	
PD4N – 360°, PIR, max. Ø 24m, 450m², IP20																																
			■	■	■	■			■	■	■													FC 92709	FC 93241	FC 93460 FC 93463 FC 93461	FC 93546	FC 93377	FC 93340	FC 93535 FM 93536 FC 93514 FM 93515 FC 93516 FM 93517	FC 93474 FC 93473	
BL2-PLUS – 360°, PIR, max. Ø 8m, 50m², IP23																																
	■	■										■	■			FC 93405																
BL4-PLUS – 360°, PIR, max. Ø 19m, 280m², IP20																																
				■	■	■			■	■	■					FC 93404																




All housing combinations and colour variants can be found on page 130 and on our website.

1C = 1 channel | 1C-Micro = 1 channel with acoustic sensor | 1C-NO-PF = 1 channel potential-free | 2C = 2 channels | 3C = 3 channels | 3P = 3 phases |  = Staircase | DS = 2 phases  
PS = Positive safety | LV = Low voltage | LTMS = Proprietary bus systems | S = Slave device | DACO = DALI compact  
FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted |  = FM with frame |  = FM without frame



Typical applications	Outdoor area	Private office	Entrance area	High-bay warehouse	Open-plan office	Conference rooms	Classroom	Corridor	Sports hall	Storage rooms	Underground car park	Toilets	Utility room	Stairwell	1C	2C	3C	DS	PS	LV	LTMS	S	DACO®					
	PD5N – 360°, PIR, max. Ø 12m, 110m², IP20																											
		■	■			■		■				■												■ 93358 □ 93354			■ 93509 □ 93508	
	PD9 – 360°, PIR, max. Ø 10m, 78m², IP20 / IP65																											
		■	■					■				■	■	■	FC 92900 FC 92912	FC 92976							FC 92905 FC 92915	FC 93470				FC 93520
	PD11 – 360°, PIR, max. Ø 9m, 63m², IP20 / IP54																											
		■	■				■	■				■	■	■	FC 92583							FC 92594	FC 92593	FC 93459	FC 93542	FC 93068	FC 92731	FC 93522 FC 93523
	PICO – 360°, PIR, max. Ø 10m, 78m², IP20 / IP65																											
		■	■									■	■	■	FC 93159								FC 92700		FC 93547	FC 93908	FC 93909	FC 93539 FC 93529

All housing combinations and colour variants can be found on page 130 and on our website.

1C = 1 channel | 1C-Micro = 1 channel with acoustic sensor | 1C-NO-PF = 1 channel potential-free | 2C = 2 channels | 3C = 3 channels | 3P = 3 phases |  = Staircase | DS = 2 phases  
PS = Positive safety | LV = Low voltage | LTMS = Proprietary bus systems | S = Slave device | DACO = DALI compact  
FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted |  = FM with frame |  = FM without frame



# PRESENCE AND MOTION DETECTORS



## **Presence detectors – maximum energy efficiency and pleasant comfort**

Buildings play a significant role in climate protection. They account for around 38% of our CO<sub>2</sub> emissions. Presence detectors can greatly reduce energy consumption in buildings. Our high-quality B.E.G. presence detectors automatically provide optimal lighting conditions in all used interior spaces, so you don't have to worry about lighting. A presence detector continuously measures brightness. Installed in a room, it detects when someone enters the room and is able to detect even the slightest movements, such as the tap of a finger on a computer mouse.

Whenever movement is detected and the brightness is below the set lux value, the lighting is switched on or maintained. If there is sufficient daylight in the room, the artificial lighting can be automatically dimmed or switched off. This results in particularly high energy savings.



Outdoor motion detectors



Aleum Glow



RC-plus next N 130

Product information	<ul style="list-style-type: none"><li>■ Motion detector with 180° detection area and anti-creep zone</li><li>■ Ambient light</li><li>■ Further functions can be set via Bluetooth using the B.E.G. app</li></ul>
Voltage	230 V AC ±10% 50 / 60 Hz
Power consumption	approx. 0.5 W
Detection area	horizontal 180° (Wall mounting)
Range	max. 16 m across max. 5 m towards max. 3 m anti-creep protection
Monitored area (tangential movement)	400 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 4 m / 2.5 m
Impact strength	IK03
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	for solid conductors 0.5 – 2.5 mm²
Switching power	<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, NO contact with tungsten pre-make contact
Follow-up time	10 sec – 30 min, Pulse
Ambient light	0 – 100 % / 10 s – 6 h / 16 colours
Switch-on threshold	10 – 2500 Lux
Degree of protection	IP54
Protection class	Class II
Item number	93132 white mat, similar to RAL9010 93134 anthracite mat, similar to RAL7016

■ Motion detector with 130° detection area and anti-creep zone
■ Mechanical range adjustment
■ Different follow-up time depending on direction of movement
110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)
approx. 0.5 W
horizontal 130° (Wall mounting)
max. 20 m across max. 6 m towards max. 4 m anti-creep protection
450 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK03
-25 °C to +50 °C
polycarbonate, UV-resistant
–
<b>Channel 1 (lighting control)</b> 3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
1x μ-contact, NO contact with tungsten pre-make contact
15 sec – 16 min, Pulse
–
2 – 500 Lux
IP54
Class II
93321 white mat, similar to RAL9010 93323 black mat, similar to RAL9005 93324 brown mat, similar to RAL8014



RC-plus next N 230

■ Motion detector with 230° detection area and anti-creep zone
■ Mechanical range adjustment
■ Different follow-up time depending on direction of movement
110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)
approx. 0.5 W
horizontal 230° (Wall mounting)
max. 20 m across max. 6 m towards max. 4 m anti-creep protection
800 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK03
-25 °C to +50 °C
polycarbonate, UV-resistant
–
<b>Channel 1 (lighting control)</b> 3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
1x μ-contact, NO contact with tungsten pre-make contact
15 sec – 16 min, Pulse
–
2 – 500 Lux
IP54
Class II
93331 white mat, similar to RAL9010 93333 black mat, similar to RAL9005 93334 brown mat, similar to RAL8014 93346 silver mat, similar to RAL9006



RC-plus next N 280

■ Motion detector with 280° detection area and anti-creep zone
■ Mechanical range adjustment
■ Different follow-up time depending on direction of movement
110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)
approx. 0.5 W
horizontal 280° (Wall mounting)
max. 20 m across max. 6 m towards max. 4 m anti-creep protection
970 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK03
-25 °C to +50 °C
polycarbonate, UV-resistant
–
<b>Channel 1 (lighting control)</b> 3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
1x μ-contact, NO contact with tungsten pre-make contact
15 sec – 16 min, Pulse
–
2 – 500 Lux
IP54
Class II
93341 white mat, similar to RAL9010 93343 black mat, similar to RAL9005 93344 brown mat, similar to RAL8014



LC-plus 280

■ Motion detector with downward detection for gapless monitoring
■ Adjustable ball head
■ Zero crossing switching
110 – 240 V AC 50 / 60 Hz
approx. 0.24 W
horizontal 280° (Wall mounting)
max. 16 m across max. 9 m towards
620 m² / 2.5 m mounting height
2 m / 3 m / 2.5 m
IK02
-25 °C to +50 °C
polycarbonate, UV-resistant
–
<b>Channel 1 (lighting control)</b> 2000 W, cos φ = 1 1000 VA, cos φ = 0.5 400 W LED
1x μ-contact, NO contact
15 sec – 16 min, Pulse
–
2 – 500 Lux
IP54
Class II
91008 white mat, similar to RAL9010 91028 black mat, similar to RAL9005 91018 brown mat, similar to RAL8014 91048 silver mat, similar to RAL9006



Outdoor motion detectors



Outdoor motion detectors



LC-Click-N 140



LC-Click-N 200

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Motion detector with 140° detection area and 180° anti-creep zone</li><li>■ Adjustable ball head</li><li>■ Detection area can be restricted with blinds</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W
Detection area	horizontal 140° (Wall mounting)
Range	max. 12 m across max. 4 m towards max. 2 m anti-creep protection
Monitored area (tangential movement)	170 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 3 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x µ-contact, NO contact
Follow-up time	4 sec – 20 min
Switch-on threshold	2 – 500 Lux
Degree of protection	IP54
Protection class	Class II
Item number	91001 white mat, similar to RAL9010 91021 black mat, similar to RAL9005

Product information	<ul style="list-style-type: none"><li>■ Motion detector with 200° detection area and 180° anti-creep zone</li><li>■ Adjustable ball head</li><li>■ Detection area can be restricted with blinds</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W
Detection area	horizontal 200° (Wall mounting)
Range	max. 12 m across max. 4 m towards max. 2 m anti-creep protection
Monitored area (tangential movement)	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 3 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x µ-contact, NO contact
Follow-up time	4 sec – 20 min
Switch-on threshold	2 – 500 Lux
Degree of protection	IP54
Protection class	Class II
Item number	91002 white mat, similar to RAL9010 91022 black mat, similar to RAL9005 91012 brown mat, similar to RAL8014



Comprehensive product information



LC-Click 140



LC-Click 200

Product information	<ul style="list-style-type: none"><li>■ Motion detector with detection area of 140°</li><li>■ Adjustable ball head</li><li>■ Simple mounting thanks to plug base</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W
Detection area	horizontal 140° (Wall mounting)
Range	max. 12 m across max. 4 m towards
Monitored area (tangential movement)	170 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 3 m / 2.5 m
Impact strength	–
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x µ-contact, NO contact
Follow-up time	4 sec – 10 min
Switch-on threshold	10 – 300 Lux
Degree of protection	IP44
Protection class	Class II
Item number	91101 white mat, similar to RAL9010 91121 black mat, similar to RAL9005



Comprehensive product information

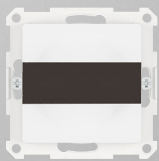
Product information	<ul style="list-style-type: none"><li>■ Motion detector with detection area of 200°</li><li>■ Adjustable ball head</li><li>■ Simple mounting thanks to plug base</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W
Detection area	horizontal 200° (Wall mounting)
Range	max. 12 m across max. 4 m towards
Monitored area (tangential movement)	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 3 m / 2.5 m
Impact strength	–
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x µ-contact, NO contact
Follow-up time	4 sec – 10 min
Switch-on threshold	10 – 300 Lux
Degree of protection	IP44
Protection class	Class II
Item number	91102 white mat, similar to RAL9010 91122 black mat, similar to RAL9005

Comprehensive product information

Outdoor motion detectors



Wall-mounted detectors



IndoorHF-M-1C



Indoor180N-M-1C

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Wall-mounted presence detector with HF technology</li><li>■ Relay version with three-wire technology</li><li>■ Manual switching via push-button possible</li></ul>
Voltage	230 V AC 10% 50 / 60 Hz
Power consumption	approx. 0.2 W
Detection area	horizontal 180° (Wall mounting)
Range	max. 8 m x 4 m across max. 8 m x 4 m towards
Monitored area (tangential movement)	32 m² / 1.1 m mounting height
Mounting height min./max./recommended	1 m / 1.2 m / 1.1 m
Impact strength	IK05
Ambient temperature	5 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A
Type of contact	1x µ-contact, NO contact
Follow-up time	10 sec – 18 h
–	–
–	–
Switch-on threshold	–
Brightness set value	10 – 2500 Lux
Switching power	<b>Channel 2</b> –
Type of contact	–
Follow-up time	–
Degree of protection	FM = IP20 / FM = IP20
Protection class	Class II
Item number	FM = 93261 traffic white mat, similar to RAL9016 FM = 93263 traffic white glossy, similar to RAL9016

Comprehensive product information



■ Wall-mounted presence detector with PIR technology and additional acoustic sensor
■ Relay version with three-wire technology
■ Acoustic sensor independently adjustable
230 V AC 10% 50 / 60 Hz
approx. 0.2 W
horizontal 180° (Wall mounting)
max. 14 m across max. 3 m towards
300 m² / 1.1 m mounting height
1 m / 4 m / 1.1 m
IK05
5 °C to +50 °C
polycarbonate, UV-resistant
<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A
1x µ-contact, NO contact
10 sec – 18 h
–
–
10 – 2500 Lux
–
<b>Channel 2</b> –
–
–
FM = IP20 / FM = IP20
Class II
FM = 93260 traffic white mat, similar to RAL9016 FM = 93262 traffic white glossy, similar to RAL9016



Indoor 140-L

■ Wall-mounted presence detector with integrated push-button
■ One channel for switching light (selectively main light or orientation light)
■ Integrated downlight with the function of an orientation or a night light
110 – 240 V AC 50 / 60 Hz
approx. 0.4 W / approx. 0.8 W with nightlight
horizontal 120° (Wall mounting)
max. 8 m across max. 3 m towards
67 m² / 1.1 m mounting height
1 m / 1.2 m / 1.1 m
IK07
-25 °C to +50 °C
94325: (covering not included) 94328: polycarbonate, UV-resistant
<b>Channel 1 (lighting control)</b> 2000 W, cos φ = 1 1000 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (20 µs) = 800 A
1x µ-contact, NO contact with tungsten pre-make contact
15 sec – 30 min
0 – 100 % / OFF / 15 s – 30 min
0 – 100 %
10 – 2000 Lux
–
<b>Channel 2</b> –
–
–
FM = IP20 / FM = IP20
Class II
FM = 94328 pure white glossy, similar to RAL9010 FM = 94325 –



Indoor 180-R

■ Wall-mounted motion detector with acoustic sensor
■ Relay version with three-wire technology
■ Acoustic sensor independently adjustable
110 – 240 V AC 50 / 60 Hz
approx. 0.5 W
horizontal 180° (Wall mounting)
max. 10 m across max. 3 m towards
150 m² / 1.1 m mounting height
1 m / 2.2 m / 1.1 m
IK05
-25 °C to +50 °C
polycarbonate, UV-resistant
<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 µs) = 800 A
1x µ-contact, NO contact with tungsten pre-make contact
15 sec – 16 min, Pulse
–
–
10 – 2000 Lux
–
<b>Channel 2</b> –
–
–
FM = IP20 / FM = IP20
Class II
FM = 92623 pure white mat, similar to RAL9010 FM = 92665 –



Indoor 180-M-2C

■ Wall-mounted presence detector with acoustic sensor
■ One channel for light switching
■ One additional potential-free (dry) contact for HVAC
110 – 240 V AC 50 / 60 Hz
approx. 0.4 W
horizontal 180° (Wall mounting)
max. 10 m across max. 3 m towards
150 m² / 1.1 m mounting height
1 m / 2.2 m / 1.1 m
IK05
-25 °C to +50 °C
polycarbonate, UV-resistant
<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 µs) = 800 A
1x µ-contact, NO contact with tungsten pre-make contact
15 sec – 30 min, Pulse
–
–
10 – 2000 Lux
–
<b>Channel 2 (HVAC control potential-free (dry))</b> 3 A (230 V), cos φ = 1 1x µ-contact, dry NO contact 5 min – 120 min, Alarm pulse, Pulse
FM = IP20 / FM = IP20
Class II
FM = 92136 pure white mat, similar to RAL9010 FM = 92661 –



Wall-mounted detectors



Wall-mounted detectors



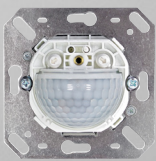
Indoor 180-S



Indoor 180-TR



Indoor 180-R-11-48V-3A



Indoor 180-R-11-48V-RR

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Slave device</li><li>■ For extending the detection area of a Master device</li><li>■ Compatible with 230 V devices. Concerning exceptions please see the respective master device.</li></ul>	<ul style="list-style-type: none"><li>■ Wall-mounted motion detector designed for stair light timer switches</li><li>■ Triac version with 2-wire technology, no neutral</li><li>■ Guarantees correct operation with the SCT1 (max. 10 sensors per unit)</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz Power supply via stair-case switch
Power consumption	approx. 0.2 W	approx. 0.8 W
Detection area	horizontal 180° (Wall mounting)	horizontal 180° (Wall mounting)
Range	max. 10 m across max. 3 m towards	max. 10 m across max. 3 m towards
Monitored area (tangential movement)	150 m² / 1.1 m mounting height	150 m² / 1.1 m mounting height
Mounting height min./max./recommended	1 m / 2.2 m / 1.1 m	1 m / 2.2 m / 1.1 m
Impact strength	IK05	IK05
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Switching power	–	0.2 A / 230 V
Type of contact	–	–
Follow-up time	–	Pulse duration: 0.1 s; Deactivation of light evaluation 1 min – 10 min
Switch-on threshold	–	2 – 2000 Lux
Pulse interval	2 or 9 sec	–
Degree of protection	FM = IP20 / FM = IP20	FM = IP20 / FM = IP20
Protection class	Class II	Class II
Item number	FM = 92135 pure white mat, similar to RAL9010 FM = 92660 –	FM = 92650 pure white mat, similar to RAL9010 FM = 92668 –
Comprehensive product information		

Wall-mounted detectors

<ul style="list-style-type: none"><li>■ Wall-mounted motion detector with acoustic sensor, operating voltage 11-48 V</li><li>■ One potential-free switching channel</li><li>■ Acoustic sensor independently adjustable</li></ul>	<ul style="list-style-type: none"><li>■ Wall-mounted motion detector with acoustic sensor, operating voltage 11-48 V</li><li>■ One potential-free switching channel</li><li>■ Acoustic sensor independently adjustable</li></ul>
11 – 48 V AC / DC	11 – 48 V AC / DC
approx. 1 W	approx. 1 W
horizontal 180° (Wall mounting)	horizontal 180° (Wall mounting)
max. 10 m across max. 3 m towards	max. 10 m across max. 3 m towards
150 m² / 1.1 m mounting height	150 m² / 1.1 m mounting height
1 m / 2.2 m / 1.1 m	1 m / 2.2 m / 1.1 m
IK05	IK05
-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant
<b>Channel 1 (lighting control, potential-free (dry))</b>	<b>Channel 1 (lighting control, potential-free (dry))</b>
3 A; cos φ = 1	0.1 A; cos φ = 1 with Reed relay
μ-contact, dry NO contact	μ-contact, dry NO contact, with Reed relay
15 sec – 16 min, Pulse	15 sec – 16 min, Pulse
5 – 2000 Lux	5 – 2000 Lux
–	–
FM = IP20 / FM = IP20	FM = IP20
Class II	Class II
FM = 92621 pure white mat, similar to RAL9010 FM = 92666 –	FM = 92667 –



## Ceiling-mounted motion detectors



PD3-1C



PD3N-1C

### Technical Data

#### Product information

- Ceiling-mounted motion detector
- One channel for light switching
- Zero crossing switching

#### Voltage

110 – 240 V AC 50 / 60 Hz

#### Power consumption

< 0.3 W

#### Detection area

horizontal 360° (Ceiling mounting)

#### Range

max. Ø 10 m across  
max. Ø 6 m towards  
max. Ø 4 m seated

#### Monitored area (tangential movement)

78 m² / 2.5 m mounting height

#### Mounting height min./max./recommended

2 m / 5 m / 2.5 m

#### Impact strength

–

#### Ambient temperature

-25 °C to +50 °C

#### Housing

polycarbonate, UV-resistant

#### Switching power

**Channel 1 (lighting control)**  
2300 W, cos φ = 1  
1000 VA, cos φ = 0.5  
400 W LED, minimum runtime > 5 min  
max. inrush current I<sub>p</sub> (20 ms) = 80 A

#### Type of contact

μ-contact, NO contact

#### Follow-up time

30 sec – 30 min, Pulse

#### Switch-on threshold

10 – 2000 Lux

#### Switching power

–

#### Type of contact

–

#### Follow-up time

–

#### Degree of protection

FC = IP20 / SM = IP44 / SM = IP44

#### Protection class

Class II

#### Item number

FC = 92197 white mat, similar to RAL9010  
SM = 92194 white mat, similar to RAL9010  
SM = 93091 black mat, similar to RAL9005

#### Comprehensive product information



PD3N-1C Micro

- Remote control-capable ceiling-mounted motion detector with integrated acoustic sensor
- One channel for light switching
- Zero crossing switching

110 – 240 V AC 50 / 60 Hz

approx. 0.5 W

horizontal 360° (Ceiling mounting)

max. Ø 10 m across  
max. Ø 6 m towards  
max. Ø 4 m seated

78 m² / 2.5 m mounting height

2 m / 5 m / 2.5 m

IK04

-25 °C to +50 °C

polycarbonate, UV-resistant

#### Channel 1 (lighting control)

2300 W, cos φ = 1  
1150 VA, cos φ = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A  
max. inrush current I<sub>p</sub> (200 μs) = 800 A

1x μ-contact, NO contact with tungsten pre-make contact

30 sec – 30 min, Pulse

10 – 2000 Lux

#### Channel 2

–

–

–

FC = IP23 / SM = IP44 / SM = IP44

Class II

FC = 92184 white mat, similar to RAL9010  
SM = 92219 white mat, similar to RAL9010  
SM = 93093 black mat, similar to RAL9005



PD3N-1C-NO-PF

- Remote control-capable ceiling-mounted motion detector
- One potential-free (dry) switching contact
- Zero crossing switching

110 – 240 V AC 50 / 60 Hz

approx. 0.4 W

horizontal 360° (Ceiling mounting)

max. Ø 10 m across  
max. Ø 6 m towards  
max. Ø 4 m seated

78 m² / 2.5 m mounting height

2 m / 5 m / 2.5 m

IK04

-25 °C to +50 °C

polycarbonate, UV-resistant

#### Channel 1 (lighting control, potential-free (dry))

2300 W, cos φ = 1  
1150 VA, cos φ = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A  
max. inrush current I<sub>p</sub> (200 μs) = 800 A

1x μ-contact, dry NO contact with tungsten pre-make contact

15 sec – 30 min, Pulse

10 – 2000 Lux

#### Channel 2

–

–

–

FC = IP23

Class II

FC = 92576 white mat, similar to RAL9010



PD3N-2C

- Remote control-capable ceiling-mounted motion detector
- One channel for light switching
- Zero crossing switching

110 – 240 V AC 50 / 60 Hz

approx. 0.5 W

horizontal 360° (Ceiling mounting)

max. Ø 10 m across  
max. Ø 6 m towards  
max. Ø 4 m seated

78 m² / 2.5 m mounting height

2 m / 5 m / 2.5 m

IK04

-25 °C to +50 °C

polycarbonate, UV-resistant

#### Channel 1 (lighting control)

2300 W, cos φ = 1  
1150 VA, cos φ = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A  
max. inrush current I<sub>p</sub> (200 μs) = 800 A

1x μ-contact, NO contact with tungsten pre-make contact

30 sec – 30 min, Pulse

10 – 2000 Lux

#### Channel 2 (HVAC control potential-free (dry))

3 A (230 V), cos φ = 1

1x NO contact (dry)

5 min – 120 min

FC = IP23 / FM = IP20

Class II

FC = 92198 white mat, similar to RAL9010  
FM = 92188 white mat, similar to RAL9010



## Ceiling-mounted motion detectors



Ceiling-mounted motion detectors



PD4N-1C



PD4N-1C-C

Technical Data

Product information	<ul style="list-style-type: none"><li>Remote-control capable ceiling-mounted motion detector with large detection range</li><li>One channel for light switching</li><li>Zero crossing switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.5 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	-
Switching power	<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux
Degree of protection	FC = IP23 / SM = IP44 / FM = IP20
Protection class	Class II
Item number	FC = 92149 white mat, similar to RAL9010 SM = 92144 white mat, similar to RAL9010 FM = 92151 white mat, similar to RAL9010

Comprehensive product information



Product information	<ul style="list-style-type: none"><li>Remote control-capable ceiling-mounted motion detector designed for corridors</li><li>One channel for light switching</li><li>Zero crossing switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 40 m across max. Ø 20 m towards
Monitored area (tangential movement)	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2.4 m / 2.6 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	-
Switching power	<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux
Degree of protection	FC = IP23 / SM = IP44
Protection class	Class II
Item number	FC = 92274 white mat, similar to RAL9010 SM = 92270 white mat, similar to RAL9010



BL2

Product information	<ul style="list-style-type: none"><li>Ceiling-mounted motion detector for indoor use with a 360° detection area</li><li>For mounting in suspended ceilings</li><li>One channel for light switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	0.3 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 8 m across max. Ø 4.8 m towards max. Ø 3.2 m seated
Monitored area (tangential movement)	50 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	0.5 – 1.5 mm² for solid conductors
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x μ-contact, NO contact
Follow-up time	15 sec – 60 min
Switch-on threshold	10 – 2000 Lux
Degree of protection	FC = IP23
Protection class	Class II
Item number	FC = 93317 white



BL4

Product information	<ul style="list-style-type: none"><li>Ceiling-mounted motion detector for indoor use with a 360° detection area</li><li>For mounting in suspended ceilings</li><li>One channel for light switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.3 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 19 m across max. Ø 6.4 m towards max. Ø 5 m seated
Monitored area (tangential movement)	280 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	0.5 – 2.5 mm² for solid conductors
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x μ-contact, NO contact
Follow-up time	15 sec – 60 min
Switch-on threshold	10 – 2000 Lux
Degree of protection	FC = IP20
Protection class	Class II
Item number	FC = 93288 white mat, similar to RAL9010



BL4-C

Product information	<ul style="list-style-type: none"><li>Remote control-capable ceiling-mounted motion detector designed for corridors</li><li>For mounting in suspended ceilings</li><li>One channel for light switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.3 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 32 m across max. Ø 16 m towards
Monitored area (tangential movement)	200 m² / 2.5 m mounting height
Mounting height min./max./recommended	2.4 m / 2.6 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	0.5 – 2.5 mm² for solid conductors
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x μ-contact, NO contact
Follow-up time	15 sec – 60 min
Switch-on threshold	10 – 2000 Lux
Degree of protection	FC = IP20
Protection class	Class II
Item number	FC = 93284 white mat, similar to RAL9010



Ceiling-mounted motion detectors



# Ceiling-mounted motion detectors



PD9-1C



PD9-1C-12-48V



HF-MD1



HF-MD2

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Mini-motion detector for indoor use</li><li>■ One channel for light switching</li><li>■ Zero crossing switching</li></ul>	<ul style="list-style-type: none"><li>■ Mini-motion detector with operating voltage 12-48 V</li><li>■ One channel for light switching</li><li>■ Easy installation on device</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	12 – 48 V AC / DC
Power consumption	approx. 0.5 W	< 0.25 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK03	IK03
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	45 cm	45 cm
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED	<b>Channel 1 (lighting control, potential-free (dry))</b> 1000 W, cos φ = 1 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, NO contact	1x μ-contact, dry NO contact with tungsten pre-make contact
Follow-up time	30 sec – 30 min, Pulse	30 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux
Radar / HF technology	–	–
Degree of protection	FC = IP20	FC = IP20
Protection class	Class II	Class II
Item number	FC = 92902 white mat, similar to RAL9010	FC = 92985 white mat, similar to RAL9010
Comprehensive product information		

# Ceiling-mounted motion detectors

<ul style="list-style-type: none"><li>■ Microwave motion detector, designed for surface mount and installation in lights</li><li>■ Temperature-independent detection</li><li>■ Detection can be made through various materials</li></ul>	<ul style="list-style-type: none"><li>■ Microwave motion detector, designed for surface mount</li><li>■ Temperature-independent detection</li><li>■ Detection can be made through various materials</li></ul>
230 V AC +/- 10% 50 / 60 Hz	230 V AC +/- 10% 50 / 60 Hz
approx. 1.2 W	approx. 1.2 W
horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m	horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m
max. Ø 16 m towards	–
200 m² / 2.5 m mounting height	200 m² / 2.5 m mounting height
1 m / 4 m / 2.5 m	1 m / 4 m / 2.5 m
–	–
-15 °C to +50 °C	-15 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant
–	–
<b>Channel 1 (lighting control)</b> 1200 W, cos φ = 1 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 120 A	<b>Channel 1 (lighting control)</b> 1200 W, cos φ = 1 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 120 A
1x μ-contact, NO contact	1x μ-contact, NO contact
5 sec – 15 min	5 sec – 15 min
2 – 2000 Lux	2 – 2000 Lux
5.8 GHz, < 10 mW	5.8 GHz, < 10 mW
IP20	SM = IP20
Class II	Class II
94401 white mat, similar to RAL9010	SM = 94402 white mat, similar to RAL9010



## Ceiling-mounted presence detectors



PD2-M-1C



PD2-M-2C

Product information	<ul style="list-style-type: none"><li>■ Presence detector with one potential-free dry contact</li><li>■ Version as master device</li><li>■ One channel for light switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Luminous flux / intensity	-
Power consumption	approx. 0.4 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control, potential-free (dry))</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, dry NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse
Orientation light	-
Night light	-
Switch-on threshold	10 – 2000 Lux
Brightness set value	-
Switching power	<b>Channel 2</b> -
Type of contact	-
Follow-up time	-
Degree of protection	Mixed light measuring FC = IP20 / SM = IP20 / FM = IP20
Protection class	Class II
Item number	FC = 92565 white mat, similar to RAL9010 SM = 92550 white mat, similar to RAL9010 FM = 92555 white mat, similar to RAL9010

Comprehensive product information



Product information	<ul style="list-style-type: none"><li>■ Presence detector with circular detection area</li><li>■ One channel for light switching</li><li>■ One additional potential-free (dry) contact for HVAC</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Luminous flux / intensity	-
Power consumption	approx. 0.5 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse
Orientation light	-
Night light	-
Switch-on threshold	10 – 2000 Lux
Brightness set value	-
Switching power	<b>Channel 2 (HVAC control potential-free (dry))</b> 3 A (230 V), cos φ = 1
Type of contact	1x μ-contact, dry NO contact
Follow-up time	5 min – 120 min, Alarm pulse, Pulse
Degree of protection	Mixed light measuring FC = IP20 / SM = IP20 / FM = IP20
Protection class	Class II
Item number	FC = 92165 white mat, similar to RAL9010 SM = 92150 white mat, similar to RAL9010 FM = 92155 white mat, similar to RAL9010



PD2-M-2C-12-48V-3A

Product information	<ul style="list-style-type: none"><li>■ Presence detector with operating voltage of 12-48 V</li><li>■ Two potential-free (dry) channels</li><li>■ Can be used as either Master device or Slave device</li></ul>
Voltage	12 – 48 V AC / DC
Luminous flux / intensity	-
Power consumption	< 1 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control, potential-free (dry))</b> 3 A; cos φ = 1
Type of contact	1x μ-contact, dry NO contact
Follow-up time	15 sec – 30 min, Pulse
Orientation light	-
Night light	-
Switch-on threshold	-
Brightness set value	10 – 2000 Lux
Switching power	<b>Channel 2 (HVAC control potential-free (dry))</b> 3 A; cos φ = 1
Type of contact	1x μ-contact, dry NO contact
Follow-up time	5 min – 120 min, Alarm pulse, Pulse
Degree of protection	Mixed light measuring FC = IP20 / SM = IP20
Protection class	Class II
Item number	FC = 92164 white mat, similar to RAL9010 SM = 92154 white mat, similar to RAL9010



PD2-M-2C-12-48V-RR

Product information	<ul style="list-style-type: none"><li>■ Presence detector with operating voltage of 12-48 V</li><li>■ Two potential-free (dry) channels</li><li>■ Can be used as either Master device or Slave device</li></ul>
Voltage	12 – 48 V AC / DC
Luminous flux / intensity	-
Power consumption	< 1 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Channel 1 (lighting control, potential-free (dry))</b> 0.1 A; cos φ = 1 with Reed relay
Type of contact	1x μ-contact, dry NO contact
Follow-up time	15 sec – 30 min, Pulse
Orientation light	-
Night light	-
Switch-on threshold	-
Brightness set value	10 – 2000 Lux
Switching power	<b>Channel 2 (HVAC control potential-free (dry))</b> 0.1 A; cos φ = 1 with Reed relay
Type of contact	1x μ-contact, dry NO contact
Follow-up time	5 min – 120 min, Alarm pulse, Pulse
Degree of protection	Mixed light measuring FC = IP20 / SM = IP20
Protection class	Class II
Item number	FC = 92306 white mat, similar to RAL9010 SM = 92305 white mat, similar to RAL9010



PD2N-M-1C-LED

Product information	<ul style="list-style-type: none"><li>■ Remote control-capable presence detector for inside use with circular detection area</li><li>■ Integrated LED light as separately adjustable orientation- and night light</li><li>■ One channel for light switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Luminous flux / intensity	LED circuit board securely mounted Luminous flux of light 90 lm
Power consumption	approx. 0.3 W / approx. 2 W with LED
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK03
Ambient temperature	-20 °C to +40 °C
Housing	Polycarbonate
Switching power	<b>Channel 1 (lighting control, potential-free (dry))</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, dry NO contact with tungsten pre-make contact
Follow-up time	10 sec – 18 h
Orientation light	20 – 100 % / OFF / 10 s – 18 h
Night light	20 – 100 % / 10 sec – 18 h / ∞
Switch-on threshold	10 – 2000 Lux
Brightness set value	-
Switching power	<b>Channel 2</b> -
Type of contact	-
Follow-up time	-
Degree of protection	Mixed light measuring FC = IP20 / SM = IP20
Protection class	Class II
Item number	FC = 94055 white mat, similar to RAL9010



## Ceiling-mounted presence detectors

## Ceiling-mounted presence detectors



PD4-M-1C



PD4-M-2C

### Technical Data

#### Product information

- Presence detector with extended detection area
- One potential-free (dry) contact
- Version as master device

Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	–

#### Channel 1 (lighting control, potential-free (dry))

2300 W, cos  $\varphi$  = 1  
1150 VA, cos  $\varphi$  = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A  
max. inrush current I<sub>p</sub> (200  $\mu$ s) = 800 A

1x  $\mu$ -contact, dry NO contact with tungsten pre-make contact

15 sec – 30 min, Pulse

10 – 2000 Lux

#### Channel 2

–

#### Switch-on threshold

–

#### Type of contact

–

#### Follow-up time

–

#### Channel 3

#### Switching power

–

#### Type of contact

–

#### Follow-up time

–

Mixed light measuring

#### Degree of protection

FC = IP20 / SM = IP20 / FM = IP20

#### Protection class

Class II

#### Item number

FC = 92585 white mat, similar to RAL9010  
SM = 92580 white mat, similar to RAL9010  
FM = 92575 white mat, similar to RAL9010

#### Comprehensive product information



PD4-M-2C-DS

- Presence detector connectable to two different phases
- 2 channels for switching light: the illumination system can be divided into two separate groups being electrically isolated.
- Version as master device

110 – 240 V AC 50 / 60 Hz
< 1.5 W
horizontal 360° (Ceiling mounting)
max. Ø 24 m across max. Ø 9 m towards max. Ø 8 m seated
450 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m
IK04
-25 °C to +50 °C
polycarbonate, UV-resistant
0.5 ... 1.5 mm² rigid

#### Channel 1 and Channel 2 (lighting control)

2300 W, cos  $\varphi$  = 1  
1150 VA, cos  $\varphi$  = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A  
max. inrush current I<sub>p</sub> (200  $\mu$ s) = 800 A

2x  $\mu$ -contact, NO contact with tungsten pre-make contact

15 sec – 60 min, Pulse

10 – 2000 Lux

#### Channel 2

–

–

–

–

#### Channel 3

–

–

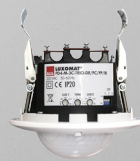
–

Mixed light measuring

FC = IP20 / SM = IP20

Class II

FC = 92760 white mat, similar to RAL9010  
SM = 92761 white mat, similar to RAL9010



PD4-M-3C-TRIO

- Presence detector particularly for classrooms and training classrooms
- Two contacts, one of them dry, for two groups of light, separate switching possible
- One potential-free contact for blackboard illumination or HVAC

110 – 240 V AC 50 / 60 Hz
approx. 0.5 W
horizontal 360° (Ceiling mounting)
max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
450 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m
IK04
-25 °C to +50 °C
polycarbonate, UV-resistant
–

#### Channel 1 (lighting control)

3000 W, cos  $\varphi$  = 1  
1500 VA, cos  $\varphi$  = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A  
max. inrush current I<sub>p</sub> (200  $\mu$ s) = 800 A

1x  $\mu$ -contact, NO contact with tungsten pre-make contact

–

10 – 2000 Lux

#### Channel 2 (lighting control potential-free (dry))

3000 W, cos  $\varphi$  = 1  
1500 VA, cos  $\varphi$  = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A, I<sub>p</sub> (200  $\mu$ s) = 800 A

10 – 2000 Lux

1x  $\mu$ -contact, dry NO contact with tungsten pre-make contact

–

#### Channel 3 (HVAC control or lighting control, potential-free (dry))

3000 W, cos  $\varphi$  = 1  
1500 VA, cos  $\varphi$  = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20ms) = 120 A

1x  $\mu$ -contact, dry NO contact

#### Channel 1 to channel 3

1 min – 90 min

Mixed light measuring

FC = IP20 / SM = IP20

Class II

FC = 92745 white mat, similar to RAL9010  
SM = 92740 white mat, similar to RAL9010



PD4-M-1C-C

- Presence detector designed for corridors
- One potential-free (dry) switching contact
- Version as master device

110 – 240 V AC 50 / 60 Hz
approx. 0.5 W
horizontal 360° (Ceiling mounting)
max. Ø 40 m across max. Ø 20 m towards
250 m² / 2.5 m mounting height
2.4 m / 2.6 m / 2.5 m
IK04
-25 °C to +50 °C
polycarbonate, UV-resistant
–

#### Channel 1 (lighting control, potential-free (dry))

2300 W, cos  $\varphi$  = 1  
1150 VA, cos  $\varphi$  = 0.5  
800 W LED  
max. inrush current I<sub>p</sub> (20 ms) = 165 A  
max. inrush current I<sub>p</sub> (200  $\mu$ s) = 800 A

1x  $\mu$ -contact, dry NO contact with tungsten pre-make contact

15 sec – 30 min, Pulse

10 – 2000 Lux

#### Channel 2

–

–

–

–

#### Channel 3

–

–

–

Mixed light measuring

FC = IP20 / SM = IP54

Class II

FC = 92586 white mat, similar to RAL9010  
SM = 92587 white mat, similar to RAL9010



## Ceiling-mounted presence detectors



## Ceiling-mounted presence detectors



PD4-M-2C-C



PD4-M-1C-C-PS

### Technical Data

#### Product information

- Presence detector designed for corridors
- One channel for light switching
- One additional potential-free (dry) contact for HVAC

- Presence detector with NO contact and safety circuit by NC contact
- Guarantees illumination even if sensor fails
- Designed for corridors

Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	< 0.5 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 40 m across max. Ø 20 m towards
Monitored area (tangential movement)	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2.4 m / 2.6 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	–
Switching power	<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux <b>Channel 2 (HVAC control potential-free (dry))</b>
Switching power	3 A (230 V), cos φ = 1
Type of contact	1x μ-contact, dry NO contact
Follow-up time	5 min – 120 min, Alarm pulse, Pulse
Degree of protection	Mixed light measuring FC = IP20 / SM = IP54
Protection class	Class II
Item number	FC = 92143 white mat, similar to RAL9010 SM = 92440 white mat, similar to RAL9010

#### Comprehensive product information



Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.7 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 40 m across max. Ø 20 m towards
Monitored area (tangential movement)	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2.4 m / 2.6 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	–
Switching power	<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 120 A
Type of contact	1x μ-contact, NO contact with tungsten pre-make contact, additional NC-safety contact
Follow-up time	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux <b>Channel 2</b>
Switching power	–
Type of contact	–
Follow-up time	–
Degree of protection	Mixed light measuring FC = IP20 / SM = IP54
Protection class	Class II
Item number	FC = 92480 white mat, similar to RAL9010 SM = 92485 white mat, similar to RAL9010



PD4-M-TRIO-C-3P

- 1-channel presence detector with two simultaneously operating relay outputs, which enable distribution to different phases
- The switching channel with the two relay outputs closes when the operating voltage of the detector fails, so the lighting remains on as long as the two phases of the luminaires are supplied with power.
- The device requires an operating voltage. The third phase can be used for this purpose.

Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.5 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 40 m across max. Ø 20 m towards
Monitored area (tangential movement)	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2.4 m / 2.6 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	–
Switching power	<b>Channel 1 (lighting control, potential-free (dry))</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED
Type of contact	2x μ-contact, dry Contact NC with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux <b>Channel 2</b>
Switching power	–
Type of contact	–
Follow-up time	–
Degree of protection	Mixed light measuring FC = IP20 / SM = IP20
Protection class	Class II
Item number	FC = 92746 white mat, similar to RAL9010 SM = 92747 white mat, similar to RAL9010



PD4-M-1C-GH

- Presence detector designed for high-bay warehouses
- One potential-free (dry) switching contact
- Version as master device

Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.5 W
Detection area	horizontal 360° oval (Ceiling mounting)
Range	30 m x 19 m
Monitored area (tangential movement)	440 m² / 14 m mounting height
Mounting height min./max./recommended	5 m / 16 m / 14 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	–
Switching power	<b>Channel 1 (lighting control, potential-free (dry))</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 μs) = 800 A
Type of contact	1x μ-contact, dry NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse
Switch-on threshold	20 – 2000 Lux <b>Channel 2</b>
Switching power	–
Type of contact	–
Follow-up time	–
Degree of protection	Mixed light measuring SM = IP20
Protection class	Class II
Item number	SM = 92245 white mat, similar to RAL9010



BL2-PLUS

- Remote control-capable presence detector for inside use with circular detection area
- For mounting in suspended ceilings
- One channel for light switching

Voltage	110 – 240 V 50 / 60 Hz
Power consumption	0.3 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 8 m across max. Ø 4.8 m towards max. Ø 3.2 m seated
Monitored area (tangential movement)	50 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	–
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Connections and wires	0.5 – 1.5 mm² for solid conductors
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x μ-contact, NO contact
Follow-up time	15 sec – 30 min
Switch-on threshold	10 – 2000 Lux <b>Channel 2</b>
Switching power	–
Type of contact	–
Follow-up time	–
Degree of protection	– FC = IP23
Protection class	Class II
Item number	FC = 93405 white



## Ceiling-mounted presence detectors

Ceiling-mounted presence detectors



BL4-PLUS



PD9-M-1C

Product information	<div><div></div><div></div><div></div><div></div><div></div></div> <ul style="list-style-type: none"><li>■ Remote control-capable presence detector for inside use with circular detection area</li><li>■ For mounting in suspended ceilings</li><li>■ One channel for light switching</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.3 W
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 19 m across max. Ø 6.4 m towards max. Ø 5 m seated
Monitored area (tangential movement)	280 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Cable length	–
Connections and wires	0.5 – 2.5 mm² for solid conductors
Switching power	<b>Channel 1 (lighting control)</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x µ-contact, NO contact
Follow-up time	15 sec – 30 min
Switch-on threshold	10 – 2000 Lux
Degree of protection	FC = IP20
Protection class	Class II
Item number	FC = 93404 white mat, similar to RAL9010
Comprehensive product information	



■ Mini-presence detector
■ One channel for light switching
■ Version as master device
110 – 240 V AC 50 / 60 Hz
approx. 0.5 W
horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK03
-25 °C to +50 °C
polycarbonate, UV-resistant
45 cm, screened
–
<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 µs) = 800 A
1x µ-contact, NO contact with tungsten pre-make contact
5 min – 30 min, Pulse
20 – 1000 Lux
Mixed light measuring
FC = IP20
Class II
FC = 92900 white mat, similar to RAL9010



Ceiling-mounted presence detectors



PD9-M-1C-SDB-IP65



PD11-M-1C-FLAT



PICO-N-M-1C

■ Mini-presence detector designed for high-humidity locations
■ One potential-free (dry) switching contact
■ Version as master device
230 V AC ±10% 50 Hz
2.2 W
horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK03
-25 °C to +50 °C
polycarbonate, UV-resistant
350 cm
–
<b>Channel 1 (lighting control, potential-free (dry))</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 400 W LED max. inrush current I <sub>p</sub> (20 ms) = 80 A
1x µ-contact, dry NO contact
15 sec – 30 min, Pulse
20 – 1500 Lux
Mixed light measuring
FC = IP65
Class III
FC = 92912 white mat, similar to RAL9010



■ Particularly flat presence detector without additional power supply
■ Visible portion when built into ceiling: height 0.85 mm
■ One channel for light switching
110 – 240 V AC 50 / 60 Hz
approx. 0.3 W
horizontal 360° (Ceiling mounting)
max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated
63 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK02
-25 °C to +50 °C
polycarbonate, UV-resistant
–
<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 µs) = 800 A
1x µ-contact, NO contact with tungsten pre-make contact
5 min – 30 min, Pulse
20 – 2000 Lux
Mixed light measuring
FC = IP20
Class II
FC = 92583 white mat, similar to RAL9010



■ Mini-presence detector, no additional power unit, suitable for high-humidity locations
■ One channel for light switching
■ Manual switching via push-button possible
110 – 240 V AC 50 / 60 Hz
approx. 0.35 W
horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK04
-25 °C to +50 °C
polycarbonate, UV-resistant
140 cm
–
<b>Channel 1 (lighting control)</b> 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 400 W LED
1x µ-contact, NO contact
15 sec – 30 min, Pulse
10 – 2000 Lux
Mixed light measuring
FC = IP65
Class II
FC = 93159 white mat, similar to RAL9010





# DALI COMPACT



## The all-in-one solution for lighting control

B.E.G. has revamped its range of compact DALI detectors. Generation 2 introduces a powerful range of stand-alone devices. The devices, with integrated application controllers and a DALI BUS power supply, are optimised to the maximum. Available in four colour variants, versatile in application, digitally readable and controllable, the DALI-2 certified products impress with their unobtrusive appearance and outstanding flexibility.

The communication protocol impresses with its robustness and ease of installation, and the new DALI-2 certification process adds forward-looking stability. Previously, only operating devices had to comply with the standard. With DALI-2, device types such as application controllers, push buttons, light sensors and motion sensors (so-called control devices) are also defined in the standard. This makes it possible to combine products from different manufacturers, put them into operation and avoid errors.



Presence detectors DALI Compact



PD2N-M-DACO DALI-2



PD2N-M-DACO-1C DALI-2

Product information	<div><div>■ Presence detector with integrated DALI application controller for energy-efficient lighting control</div><div>■ DALI-2 certified product</div><div>■ Integrated DALI power supply</div></div>
Voltage	230 V AC ±10% 50 Hz
Power consumption	approx. 2 W
slave devices	up to 8
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
DALI output	<div>80 mA (guaranteed), 125 mA (max.), shut down mechanism</div> <div>Channel 1 (lighting control)</div>
supported control gear	DT0, DT5, DT6, DT7
supported control devices	- (single master)
Follow-up time	1 min – 150 min
Orientation light	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	10 – 2500 Lux
Switching power	<div>Channel 2</div> <div>-</div>
Type of contact	-
Follow-up time	<div>-</div> <div>Mixed light measuring</div>
Degree of protection	FC = IP20
Protection class	Class II
Item number	FC = 93452 white mat, similar to RAL9010
Comprehensive product information	



Product information	<div><div>■ Presence detector with integrated DALI application controller for energy-efficient lighting control</div><div>■ DALI-2 certified product</div><div>■ Integrated DALI power supply</div></div>
Voltage	230 V AC ±10% 50 Hz
Power consumption	approx. 2 W
slave devices	up to 8
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
DALI output	<div>80 mA (guaranteed), 125 mA (max.), shut down mechanism</div> <div>Channel 1 (lighting control)</div>
supported control gear	DT0, DT5, DT6, DT7
supported control devices	- (single master)
Follow-up time	1 min – 150 min
Orientation light	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	10 – 2500 Lux
Switching power	<div>Channel 2 (HVAC or lighting control)</div> <div>2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I<sub>p</sub> (20 ms) = 165 A</div>
Type of contact	1x µ-contact, dry, bistable
Follow-up time	5 min – 120 min, Alarm pulse, Pulse
Degree of protection	Mixed light measuring
Protection class	FC = IP20
Protection class	Class II
Item number	FC = 93455 white mat, similar to RAL9010



PD2N-M-DACO-DUO DALI-2

Product information	<div><div>■ Presence detector with integrated DALI application controller for energy-efficient lighting control</div><div>■ 2 channels</div><div>■ DALI-2 certified product</div></div>
Voltage	230 V AC ±10% 50 Hz
Power consumption	approx. 3 W
slave devices	up to 4
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m
Impact strength	IK05
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
DALI output	<div>40 mA (guaranteed), 60 mA (max.), shut down mechanism</div> <div>Channel 1 and Channel 2 (lighting control)</div>
supported control gear	DT0, DT5, DT6, DT7
supported control devices	- (single master)
Follow-up time	1 min – 150 min
Orientation light	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	10 – 2500 Lux
Switching power	<div>Channel 2</div> <div>-</div>
Type of contact	-
Follow-up time	<div>-</div> <div>Mixed light measuring</div>
Degree of protection	FC = IP20
Protection class	Class II
Item number	FC = 93453 white mat, similar to RAL9010



PD4N-M-DACO DALI-2

Product information	<div><div>■ Presence detector with integrated DALI application controller for energy-efficient lighting control</div><div>■ DALI-2 certified product</div><div>■ Integrated DALI power supply</div></div>
Voltage	230 V AC ±10% 50 Hz
Power consumption	approx. 2 W
slave devices	up to 8
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
DALI output	<div>80 mA (guaranteed), 125 mA (max.), shut down mechanism</div> <div>Channel 1 (lighting control)</div>
supported control gear	DT0, DT5, DT6, DT7
supported control devices	- (single master)
Follow-up time	1 min – 150 min
Orientation light	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	10 – 2500 Lux
Switching power	<div>Channel 2</div> <div>-</div>
Type of contact	-
Follow-up time	<div>-</div> <div>Mixed light measuring</div>
Degree of protection	FC = IP20
Protection class	Class II
Item number	FC = 93460 white mat, similar to RAL9010



PD4N-M-DACO-1C DALI-2

Product information	<div><div>■ Presence detector with integrated DALI application controller for energy-efficient lighting control</div><div>■ DALI-2 certified product</div><div>■ Integrated DALI power supply</div></div>
Voltage	230 V AC ±10% 50 Hz
Power consumption	approx. 2 W
slave devices	up to 8
Detection area	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m
Impact strength	IK04
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
DALI output	<div>80 mA (guaranteed), 125 mA (max.), shut down mechanism</div> <div>Channel 1 (lighting control)</div>
supported control gear	DT0, DT5, DT6, DT7
supported control devices	- (single master)
Follow-up time	1 min – 150 min
Orientation light	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	10 – 2500 Lux
Switching power	<div>Channel 2 (HVAC or lighting control)</div> <div>2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I<sub>p</sub> (20 ms) = 165 A</div>
Type of contact	1x µ-contact, dry, bistable
Follow-up time	5 min – 120 min, Alarm pulse, Pulse
Degree of protection	Mixed light measuring
Protection class	FC = IP20
Protection class	Class II
Item number	FC = 93463 white mat, similar to RAL9010



Presence detectors DALI Compact



## Presence detectors DALI Compact



PD4N-M-DACO-DUO DALI-2



PD4-M-HCL2-SM DALI-2





PD4-M-DAA4G



PD4-S-DAA4G

## Presence detectors DALI Compact

Product information	<ul style="list-style-type: none"> <li>■ Presence detector with integrated DALI application controller for energy-efficient lighting control</li> <li>■ 2 channels</li> <li>■ DALI-2 certified product</li> </ul>	<ul style="list-style-type: none"> <li>■ Bidirectional presence detector with integrated DALI application controller for an energy-efficient and biologically effective light control (Human Centric Lighting)</li> <li>■ Integrated DALI power supply and 3 push-button inputs</li> <li>■ Preset and freely adjustable HCL curves (12 anchor points per 24h)</li> </ul>
Voltage	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
Power consumption	approx. 3 W	approx. 2 W
slave devices	up to 4	-
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m
Impact strength	IK04	IK04
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
	<b>Channel 1 and Channel 2 (lighting control)</b>	<b>DALI Control</b>
DALI output	40 mA (guaranteed), 60 mA (max.), shut down mechanism	100 mA (guaranteed), 120 mA (max.)
supported control gear	DT0, DT5, DT6, DT7	DT5, DT6, DT7, DT8-Tc (HCL only possible with DT8-Tc, 2700 - 6500 K)
supported control devices	- (single master)	B.E.G. BMS (motion detection)
Follow-up time	1 min – 150 min	1 min – 150 min
Orientation light	5 – 100 % / OFF / 5 min – 60 min / ∞	5 – 100 % / OFF / 1 min – 255 min / ∞
Brightness set value	10 – 2500 Lux	10 – 2500 Lux
-	-	<b>Relay (dry NO)</b>
Switching power	-	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20 ms) = 165 A, I <sub>p</sub> (200 μs) = 800 A
Type of contact	-	1x μ-contact, NO contact
Follow-up time	-	5 sec – 120 min (HVAC)
	<b>Channel 3</b>	<b>Channel 3</b>
Switching power	-	-
	-	-
Follow-up time	-	-
Brightness set value	-	-
	Mixed light measuring	-
Pulse interval	-	-
Degree of protection	FC = IP20	FC = IP20 / SM = IP20
Protection class	Class II	Class II
Item number	FC = 93461 white mat, similar to RAL9010	FC = 93484 white, similar to RAL9010 SM = 93485 white, similar to RAL9010
Comprehensive product information		

<ul style="list-style-type: none"> <li>■ Flexible DALI Compact solution designed for conference rooms, training rooms and classrooms</li> <li>■ High-sensitivity presence detector with the capability to address up to 64 DALI electronic ballasts (EB) automatically, with segmented control via 4 groups</li> <li>■ Quick commissioning and maintenance processes via Smartphone/Tablet App (Android, iOS) - No PC-Tool required</li> </ul>	<ul style="list-style-type: none"> <li>■ DALI bus operated slave device</li> <li>■ For extension of the detection area of a master device PD4-M-DAA4G / PD4-M-HCL</li> <li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li> </ul>
110 – 240 V AC 50 / 60 Hz	22 V DC via DALI Bus
approx. 0.4 W	–
–	–
horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
max. Ø 24 m across	max. Ø 24 m across
max. Ø 8 m towards	max. Ø 8 m towards
max. Ø 6.4 m seated	max. Ø 6.4 m seated
450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m
IK04	IK04
-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant
<b>DALI Control</b>	up to 4 slave devices in combination with one PD4-M-DAA4G
up to 64 DALI ballasts , can be grouped into 3 DALI groups plus blackboard lighting or HVAC control	–
–	–
–	–
1 min – 150 min (Lighting zones)	–
10 – 30 % / OFF / 5 min – 60 min / ∞	–
10 – 2000 Lux	–
<b>Relay (dry NO)</b>	–
2300 W, cos φ = 1	–
1150 VA, cos φ = 0.5	–
300 W LED	–
–	–
5 sec – 120 min (HVAC)	–
<b>Channel 3</b>	<b>Channel 3</b>
–	–
–	–
–	–
–	–
–	–
Mixed light measuring	–
–	30 sec (in test mode 2 sec during 3 min)
FC = IP20 / SM = IP20	FC = IP20 / SM = IP54
Class II	Class II
FC = 92591 white mat, similar to RAL9010	FC = 92721 white mat, similar to RAL9010
SM = 92743 white mat, similar to RAL9010	SM = 92759 white mat, similar to RAL9010

## Presence detectors DALI Compact



PD4-M-TRIO-2DALI/DSI-1C



PD4-M-DACO-GH-SM DALI-2

### Technical Data

Product information	<ul style="list-style-type: none"><li>■ Presence detector for two separate lighting groups, for daylight-dependent lighting control</li><li>■ One potential-free switching channel for control of equipment (HVAC) or lighting</li><li>■ Two independent, movable light sensors</li></ul>	<ul style="list-style-type: none"><li>■ Presence detector for large heights with integrated DALI application controller for energy-efficient lighting control</li><li>■ External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.</li><li>■ DALI-2 certified product</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	230 V AC ±10% 50 Hz
Power consumption	approx. 2 W	approx. 2 W
slave devices	–	up to 8
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° oval (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	30 m x 19 m
Monitored area (tangential movement)	450 m² / 2.5 m mounting height	440 m² / 14 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m	5 m / 16 m / 14 m
Impact strength	IK04	IK04
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	–	–
DALI output	<b>Channel 1 and Channel 2 (lighting control)</b> up to 25 DALI / DSI-EB per channel	<b>Channel 1 (lighting control)</b> 80 mA (guaranteed), 125 mA (max.), shut down mechanism DT0, DT5, DT6, DT7 - (single master) 1 min – 150 min 10 – 30 % / OFF / 5 min – 60 min / ∞ 10 – 2500 Lux
supported control gear	–	–
supported control devices	–	–
Follow-up time	–	–
Orientation light	10 – 30 % / OFF / 1 min – 60 min / ∞	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	–	10 – 2500 Lux
Switching power	<b>Channel 3 (HVAC control or lighting control, potential-free (dry))</b> 3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current I <sub>p</sub> (20ms) = 165 A, (200 µs) = 800 A	<b>Channel 3</b> –
Type of contact	1x µ-contact, dry NO contact with tungsten pre-make contact	–
Follow-up time	<b>Channel 1 to channel 3</b> 1 min – 60 min	–
Brightness set value	10 – 2000 Lux	–
Degree of protection	Mixed light measuring	Mixed light measuring
Protection class	SM = IP20	SM = IP54
Item number	Class II	Class II
Comprehensive product information	SM = 92751 white mat, similar to RAL9010	SM = 93469 white mat, similar to RAL9010



## Presence detectors DALI Compact



PD9-M-DACO-FC DALI-2



PD11-M-DACO-FLAT DALI-2

<ul style="list-style-type: none"><li>■ Mini presence detector with integrated DALI application controller for energy-efficient lighting control</li><li>■ DALI-2 certified product</li><li>■ Integrated DALI power supply</li></ul>	<ul style="list-style-type: none"><li>■ Presence detector with integrated DALI application controller for energy-efficient lighting control</li><li>■ DALI-2 certified product</li><li>■ Integrated DALI power supply</li></ul>
230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
approx. 2 W	approx. 2 W
up to 8	up to 8
horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated
78 m² / 2.5 m mounting height	63 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
IK03	IK02
-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant
50 cm	50 cm
<b>Channel 1 (lighting control)</b> 80 mA (guaranteed), 125 mA (max.), shut down mechanism DT0, DT5, DT6, DT7 - (single master) 1 min – 150 min 10 – 30 % / OFF / 5 min – 60 min / ∞ 10 – 2500 Lux	<b>Channel 1 (lighting control)</b> 80 mA (guaranteed), 125 mA (max.), shut down mechanism DT0, DT5, DT6, DT7 - (single master) 1 min – 150 min 10 – 30 % / OFF / 5 min – 60 min / ∞ 10 – 2500 Lux
<b>Channel 3</b> –	<b>Channel 3</b> –
–	–
–	–
–	–
–	–
Mixed light measuring	Mixed light measuring
FC = IP20	FC = IP20
Class II	Class II
FC = 93470 white mat, similar to RAL9010	FC = 93459 white mat, similar to RAL9010







PD2-S



PD2N-S



PD4-S



PD4N-S



PD4-S-C

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Slave device with circular detection area</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>	<ul style="list-style-type: none"><li>■ Slave device with circular detection area</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.2 W	approx. 0.2 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK05	IK05
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Pulse interval	2 or 9 sec	2 or 9 sec
Degree of protection	FC = IP20 / SM = IP20 / FM = IP20	FC = IP20
Protection class	Class II	Class II
Item number	FC = 92166 white mat, similar to RAL9010 SM = 92152 white mat, similar to RAL9010 FM = 92156 white mat, similar to RAL9010	FC = 93240 white mat, similar to RAL9010
Comprehensive product information		

<ul style="list-style-type: none"><li>■ Slave device with extended detection area</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>	<ul style="list-style-type: none"><li>■ Slave device with extended detection area</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>	<ul style="list-style-type: none"><li>■ Slave device designed for corridors</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.2 W	approx. 0.2 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m
Impact strength	IK04	IK04
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Pulse interval	2 or 9 sec	2 or 9 sec
Degree of protection	FC = IP20 / SM = IP54 / FM = IP20	FC = IP20
Protection class	Class II	Class II
Item number	FC = 92254 white mat, similar to RAL9010 SM = 92142 white mat, similar to RAL9010 FM = 92163 white mat, similar to RAL9010	FC = 93241 white mat
Comprehensive product information		

<ul style="list-style-type: none"><li>■ Slave device with extended detection area</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>	<ul style="list-style-type: none"><li>■ Slave device with extended detection area</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>	<ul style="list-style-type: none"><li>■ Slave device designed for corridors</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.2 W	approx. 0.2 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m	2.4 m / 2.6 m / 2.5 m
Impact strength	IK04	IK04
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Pulse interval	2 or 9 sec	2 or 9 sec
Degree of protection	FC = IP20 / SM = IP54 / FM = IP20	FC = IP20 / SM = IP54
Protection class	Class II	Class II
Item number	FC = 92254 white mat, similar to RAL9010 SM = 92142 white mat, similar to RAL9010 FM = 92163 white mat, similar to RAL9010	FC = 92444 white mat, similar to RAL9010 SM = 92442 white mat, similar to RAL9010
Comprehensive product information		



PD4-S-GH



PD9-S



PD9-S-SDB



PD11-S-FLAT



PICO-S

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Slave device for high-bay applications</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>	<ul style="list-style-type: none"><li>■ Mini slave device for extending the detection area of a master device</li><li>■ Power supply passes through the hole in the ceiling for the detector (34 mm Ø)</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.2 W	approx. 0.2 W
Detection area	horizontal 360° oval (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	30 m x 19 m	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	440 m² / 14 m mounting height	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m
Impact strength	IK04	IK03
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	–	45 cm
Pulse interval	2 or 9 sec	9 sec
Degree of protection	SM = IP54	FC = IP20
Protection class	Class II	Class II
Item number	SM = 92265 white mat, similar to RAL9010	FC = 92905 white mat, similar to RAL9010
Comprehensive product information		

<ul style="list-style-type: none"><li>■ Slave device especially for moisture-proof applications, suitable to miniature presence detector PD9-M-1C-SDB-IP65-FC</li><li>■ For extending the detection area of a Master device</li></ul>	<ul style="list-style-type: none"><li>■ Super flat slave device for connection to a master device</li><li>■ For extending the detection area of a Master device</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>	<ul style="list-style-type: none"><li>■ Mini Slave device without additional power unit for connection to master device</li><li>■ Suitable for high-humidity locations</li><li>■ Trigger pulse to master device upon detected movement independent of the ambient light level</li></ul>
–	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
–	approx. 0.2 W	approx. 0.3 W
horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height	63 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
IK03	IK02	IK04
–	-25 °C to +50 °C	-25 °C to +50 °C
–	polycarbonate, UV-resistant	polycarbonate, UV-resistant
350 cm	–	130 cm
–	9 sec	9 sec
FC = IP65	FC = IP20	FC = IP65
Class III	Class II	Class II
FC = 92915 white, similar to RAL9010	FC = 92593 white mat, similar to RAL9010	FC = 92700 white mat, similar to RAL9010





PD2N-LTMS



PD2N-LTMS-RR

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness.</li><li>■ For integration into proprietary bus system</li><li>■ Output of current light and temperature values as analogue voltage</li></ul>	<ul style="list-style-type: none"><li>■ Multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness.</li><li>■ For integration into proprietary bus system</li><li>■ Output of motion detection via switch contact</li></ul>
Voltage	16 – 48 V DC	16 – 48 V DC
Power consumption	< 1 W	< 1 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK05	IK05
Measured light output	0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux	0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux
Temperatur output	0 °C – +50 °C, 0-10 V, ca. 200 mV/°C	0 °C – +50 °C, 0-10 V, ca. 200 mV/°C
Ambient temperature	0 °C to +50 °C	0 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	–	–
Switching power	<b>Channel 1</b> 48 V DC / 3 A , cos φ = 1	<b>Channel 1</b> 48 V DC / 0.1 A , cos φ = 1
Type of contact	µ-contact, dry NO contact	µ-contact, dry NO contact
Follow-up time	15 sec – 30 min, Pulse	1 sec – 60 min, Pulse
	Mixed light measuring	Mixed light measuring
Degree of protection	FC = IP20	FC = IP20
Protection class	Class II	Class II
Item number	FC = 92113 white mat, similar to RAL9010	FC = 92119 white mat, similar to RAL9010
Comprehensive product information		



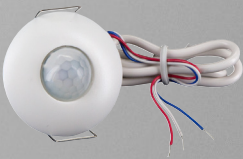
PD4N-LTMS-RR

<ul style="list-style-type: none"><li>■ Multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness.</li><li>■ For integration into proprietary bus system</li><li>■ Output of current light and temperature values as analogue voltage</li></ul>
16 – 48 V DC
< 1 W
horizontal 360° (Ceiling mounting)
max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
450 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m
IK04
0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux
0 °C – +50 °C, 0-10 V, ca. 200 mV/°C
0 °C to +50 °C
polycarbonate, UV-resistant
–
<b>Channel 1</b> 48 V DC / 0.1 A , cos φ = 1
µ-contact, dry NO contact
1 sec – 60 min, Pulse
Mixed light measuring
FC = IP20
Class II
FC = 92709 white mat, similar to RAL9010



PD11-LTMS-RR

<ul style="list-style-type: none"><li>■ Super flat multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness</li><li>■ For integration into proprietary bus system</li><li>■ Output of motion detection via switch contact</li></ul>
16 – 48 V DC
approx. 0.4 W
horizontal 360° (Ceiling mounting)
max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated
63 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK02
0 – 1000 Lux, 0-10 V, approx. 10 mV/ Lux
0 °C – +50 °C, 0-10 V, approx. 200 mV/°C
0 °C to +50 °C
polycarbonate, UV-resistant
–
<b>Channel 1 (lighting control, potential-free (dry))</b> 48 V DC / 0.1 A , cos φ = 1
µ-contact, dry NO contact
5 sec – 60 min
Mixed light measuring
FC = IP20
Class II
FC = 92594 white mat, similar to RAL9010



PD9-SH-24V

<ul style="list-style-type: none"><li>■ Mini-motion detector</li><li>■ For integration into building automation systems</li><li>■ Output 24V DC / 0.5mA</li></ul>
24 V DC
–
horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK03
–
–5 °C to +45 °C
polycarbonate, UV-resistant
350 mm
<b>Channel 1</b> 24V DC / 0.5mA
–
–
–
FC = IP20 / FC = IP20
Class II
FC = 93210 white, similar to RAL9010 FC = 93211 white, similar to RAL9010

Sensors



PD9-SH-24V-2W



OCCULOG-1C

Technical Data		
Product information	<ul style="list-style-type: none"><li>■ motion detector</li><li>■ For integration into building automation systems</li><li>■ Output 24V DC / 0.5mA</li></ul>	<ul style="list-style-type: none"><li>■ VOC indicator for good air quality</li><li>■ Thanks to the coloured LED display, the current air quality can be quickly recognised even from a distance by means of the LED colours.</li><li>■ Traffic light function: red - ventilation mandatory, yellow - ventilation recommended, green - good air quality.</li></ul>
Voltage	24 V DC	110 – 240 V AC 50 / 60 Hz
Power consumption	-	approx. 1 W
Detection area	horizontal 360° (Ceiling mounting)	-
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	-
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	-
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK03	IK05
Ambient temperature	-5 °C to +45 °C	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	350 mm	-
Connections and wires	-	0.5 – 2.5 mm² for solid conductors 0.5 – 2.5 mm² fine-wired
Switching power	24 V DC / 100mA Pulse	1000 W / 6 A, cos φ = 1 800 W LED
Type of contact	-	µ-contact, dry NO contact
Switch-on delay	-	-
Switch-off delay	-	-
Switch-on and -off delay	-	-
Switch-on threshold	-	-
Degree of protection	FC = IP20	FC = IP20
Protection class	Class II	Class II
Item number	FC = 93213 white, similar to RAL9010	FC = 93563 white mat, similar to RAL9010
Comprehensive product information		

Photoelectric switches



CdS-T

- Remote control-capable photo electric switch with integrated timer
- Energy-saving period may be programmed with the integrated timer by the touch of a button
- Inputting the current light value by the touch of a button

110 – 240 V AC 50 / 60 Hz
< 0.5 W
-
-
-
-
-25 °C to +50 °C
polycarbonate, UV-resistant
-
-
<b>Channel 1 (lighting control)</b>
2300 W, cos φ = 1 1150 VA, cos φ = 0.5 max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 µs) = 800 A
1x NO contact with tungsten pre-make contact
-
-
-
2 – 300 Lux
-
SM = IP54
Class II
SM = 92367 white mat, similar to RAL9010



CdS

- Photoelectric switch for automatically switching
- Activation and deactivation delay with self-learning deactivation-light value
- Integrated automatic function (10 Lux / 40 sec. activation / 120 sec. deactivation delay)

110 – 240 V AC 50 / 60 Hz
< 0.5 W
-
-
-
-
-25 °C to +50 °C
polycarbonate, UV-resistant
-
-
<b>Channel 1 (lighting control)</b>
2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED
1x µ-contact, NO contact
-
-
1 s - 120 s
2 – 1000 Lux
-
SM = IP54
Class II
SM = 92369 white, similar to RAL9010



CdS

- Remote control-capable photoelectric switch
- Extra flat form – only 6 mm high
- Adjustable deactivation delay with self-learning deactivation and twilight value



110 – 240 V AC 50 / 60 Hz
< 1 W
-
-
-
-
-25 °C to +50 °C
polycarbonate, UV-resistant
-
-
<b>Channel 1 (lighting control)</b>
2000 W, cos φ = 1 1000 VA, cos φ = 0.5 max. inrush current I <sub>p</sub> (20 ms) = 165 A max. inrush current I <sub>p</sub> (200 µs) = 800 A
1x µ-contact, NO contact with tungsten pre-make contact
determined automatically
5 s - 30 min
-
10 – 2000 Lux
Mixed light measuring
FC = IP20
Class II
FC = 92249 white mat, similar to RAL9010





Photoelectric switches



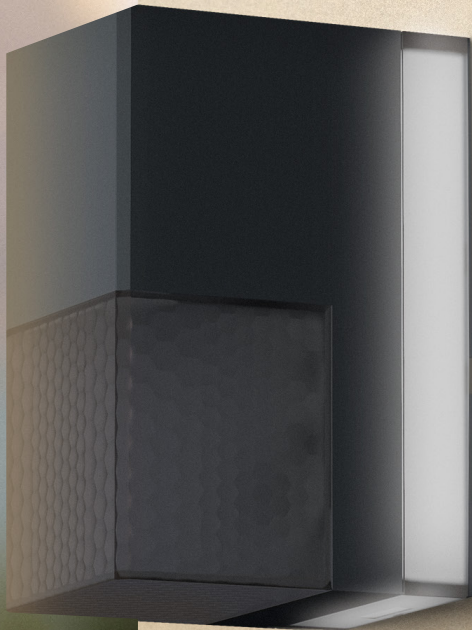
Technical Data		
	CdS-R	TS-DD
Product information	<ul style="list-style-type: none"><li>Photoelectric switch with switch relay</li><li>For retrofitting in outdoor lights and for use in branch boxes</li><li>Continuously variable twilight value</li></ul>	<ul style="list-style-type: none"><li>Photoelectric switch set for DIN rail</li><li>LED adjustment aid (without delay) for adjustment of the switch-on threshold</li><li>Electronic component for installation onto DIN rail for convenient adjustment in the control cabinet</li></ul>
Voltage	110 – 240 V AC 50 / 60 Hz	230 V AC +/- 10% 50 Hz
Typ. power input	–	10 mA
Power consumption	< 0.5 W	–
Ambient temperature	-25 °C to +50 °C	Light sensor -35 °C to +50 °C Electronical unit -10 °C to +40 °C
Housing	polycarbonate, UV-resistant <b>Channel 1 (lighting control)</b>	polycarbonate, UV-resistant <b>Channel 1 (lighting control)</b>
Switching power	1000 W, cos φ = 1 350 VA, cos φ = 0.4	<b>Resistive loads</b> 1000 W, cos φ = 1 <b>Fluorescent lamps parallel compensated</b> 600 W <b>LV halogen lamps</b> 450 W
Type of contact	1x µ-contact, NO contact	1x NO contact
Switch-on delay	–	approx. 8 s
Switch-off delay	–	approx. 40 s
Switch-on and -off delay	10 s - 15 s	–
Switch-on threshold	2 – 100 Lux	1 – 100 Lux / 50 – 1000 Lux
Degree of protection	IP54	IP54
Protection class	Class II	Class II
Item number	92365 black mat, similar to RAL9005	92681 white glossy, similar to RAL7047
Comprehensive product information		



Feel comfortable in your building

# Aleum Glow

HIGHLIGHT  
YOUR HOME  
THROUGH  
MOTION



- Timeless, clear design, high-quality technology
- Available in two colour variants
- ‘Glow’, selectable ambient lighting
- r = 3 m to r = 16 m detection range
- Electronically and mechanically adjustable range

beg-luxomat.com







## Building automation with B.E.G. sensors and actuators

Buildings have always provided protection from external influences. We spend a large part of our lives here. B.E.G. develops automation solutions and products that increase the well-being of building users – for example, through a pleasant indoor climate, shading and lighting that supports the natural biorhythm.

By connecting photovoltaics, heating, air conditioning, ventilation, lighting, emergency and access systems, building functions interact with each other to form an automated unit. This building automation helps to reduce energy consumption, lower operating costs and manage buildings sustainably. Building automation is therefore the basis for every green building.



	PD2N			PD4N			
DESCRIPTION	BA <sup>1</sup>	ST <sup>2</sup>	DX <sup>3</sup>	BA <sup>1</sup>	ST <sup>2</sup>	DX <sup>3</sup>	
Requirements							
Number of light sensors	2	2	2	2	2	2	
Number of motion sensors	1	1	1	4	4	4	
Number of HVAC outputs		3	3		3	3	
PIR sensitivity adjustment							
Bidirectional remote control							
end-user remote control							
temperature sensor							
noise sensor							
logic module							
presence simulation							
Internal orientation light							
slave output							
slave input							
switching operation							
normal operation							
Semi-automatic/fully automatic							
lighting scenes							
offset operation							
orientation light function							
burn-in function							
Parameter changes via object							
Self-adjustment of the follow-up time							
brief attendance							
direction detection							
Daylight-dependent switch-off							
HCL/RGB control							
KNX Secure							

PD4-GH	PD9(-GH)	PD11		PICO		PD5N	Indoor 180		RC-plus next N
DX³	DX³	ST²	DX³	ST²	DX³	DX³	ST²	DX³	DX³
1	1	1	1	1	1	2	1	1	1
3	1	1	1	1	1	2	1	1	3
3	3	3	3	3	3	3	3	3	3

Function matrix DALI

	DALI COMPACT			DALI-LINK				
DESCRIPTION	DACO®	DAA4G	HCL2	DALI-LINK BLE	DALI-LINK KNX	DALI-SYS BACnet	BMS	CASAMBI
Requirements								
Reduce energy consumption	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Monitoring the energy consumption of lights	🔴	🔴	🔴	🔴	🟢	🟢	🟡	🟡
Monitor operating hours of lights	🔴	🔴	🔴	🔴	🟢	🟢	🟡	🟡
Light value (lux) can be read out in a standardized way via DALI-BUS	🔴	🔴	🔴	🔴	🟢	🟢	🟢	🟡
Presence status can be read out in a standardized manner via DALI-BUS	🔴	🔴	🔴	🔴	🟢	🟢	🟢	🟡
Button status can be read out in a standardized way via DALI-BUS	🔴	🔴	🔴	🔴	🔴	🟢	🟢	🟡
Presence-dependent switching of lights	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Presence-dependent switching of HVAC	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Daylight-dependent switching of lights	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Daylight-dependent control (closed loop) of light	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Orientation light	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Soft start (glare protection when switching on)	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢
HCL (Time-dependent colour temperature and light intensity)	🔴	🔴	🟢	🔴	🟢	🟢	🟡	🟢
Timer function	🟡	🟡	🟡	🟡	🟢	🟢	🟡	🟢
Suitable for applications with folding doors	🔴	🔴	🔴	🔴	🟢	🟢	🟡	🔴
Classroom function	🔴	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Emergency lighting management	🔴	🔴	🔴	🔴	🟢	🟢	🟡	🟡
Solution features								
Open (can be networked with other systems)	🔴	🔴	🔴	🔴	🟢	🟢	🟢	🟢
Ideal for single-room applications	🟢	🟢	🟢	🟢	🔴	🔴	🟢	🟢
Ideal for multi-room applications	🔴	🔴	🔴	🟢	🟢	🟢	🟢	🟢
Ideal for building applications	🔴	🔴	🔴	🔴	🟢	🟢	🟢	🟢
Suitable for simple overall requirements	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢
Suitable for high overall requirements	🔴	🟢	🟢	🟢	🟢	🟢	🟡	🟢
Suitable for complex overall requirements	🔴	🔴	🔴	🔴	🟢	🟢	🟡	🟡
Commissioning interface								
Infrared remote control (unidirectional)	🟢	🔴	🔴	🔴	🔴	🔴	🔴	🔴
BLE/IR adapter (unidirectional)	🔴	🟢	🔴	🔴	🔴	🔴	🔴	🔴
BLE/IR adapter (bidirectional)	🟢	🔴	🟢	🔴	🔴	🔴	🔴	🔴
LAN	🔴	🔴	🔴	🔴	🔴	🟢	🔴	🔴
BLE	🔴	🔴	🔴	🟢	🔴	🔴	🔴	🟢
ETS/KNX BUS	🔴	🔴	🔴	🔴	🟢	🔴	🔴	🔴
DALI-2 Configuration Tool/DALI BUS	🔴	🔴	🔴	🔴	🔴	🔴	🟢	🔴
Operation during ongoing operations								
Via conventional push button (normally open contact)	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟡
Via conventional switch (bistable)	🔴	🔴	🔴	🟢	🟢	🟢	🟡	🟡
About the mini IR remote control	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🔴
Via smartphone (BLE or WiFi)	🔴	🔴	🔴	🟢	🟢	🟢	🟡	🟢
Via Windows PC (BLE or LAN/WiFi)	🔴	🔴	🔴	🔴	🟢	🟢	🟡	🟡

● Yes   ● Depending on additional device(s)   ● No

Function matrix DALI



The "all-in-1" single-room solution for simple requirements (connection to building management systems is not possible)



The modular multi-room solution for simple to demanding requirements (connection to building management systems is possible via KNX)



The modular building solution for demanding to complex requirements (connection to building management systems is possible via BACnet / IP)



Multisensors and buttons (input devices 301, 303, 304) for use in lighting control systems

\*Products in this product family can only be ordered after a pre-approved release process by B.E.G. Project Sales. Please contact B.E.G. or your direct B.E.G. contact person for further information.





PD2N-KNXs-BA



PD2N-KNXs-ST



PD2N-KNXs-DX



PD2N-KNXs-OCCULOG-DX



PD4N-KNXs-BA

Technical Data		
Product information	<ul style="list-style-type: none"><li>■ KNX presence detector with integrated KNX bus connector</li><li>■ KNX Secure ready</li><li>■ Individual adaption of the PIR sensor sensitivity</li></ul>	<ul style="list-style-type: none"><li>■ KNX presence detector with integrated KNX bus connector</li><li>■ KNX Secure ready</li><li>■ Parameterisation from ETS 5 for integration into KNX systems</li></ul>
Voltage	via KNX BUS	via KNX BUS
Typ. power input	12 mA	12 mA
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK05	IK05
Temperature measurement range	-	-
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Number of light sensors	2	2
Number of PIR sensors	1	1
KNX TP 256	Yes	Yes
Orientation light	-	5 – 100 % / OFF / 1 min – 255 min
Night light	-	5 – 100 %
Brightness set value	5 – 2000 Lux	5 – 2000 Lux
Degree of protection	FC = IP20 / FM = IP20	FC = IP20 / FM = IP20
Protection class	Class III	Class III
Item number	FC = 93533 white mat, similar to RAL9010 FM = 93534 white mat, similar to RAL9010	FC = 93510 white mat, similar to RAL9010 FM = 93511 white mat, similar to RAL9010
Comprehensive product information		

- KNX presence detector with integrated KNX bus connector
- KNX Secure ready
- HCL/RGB control

via KNX BUS
12 mA
horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK05
-5 °C to +45 °C
-25 °C to +55 °C
polycarbonate, UV-resistant
2
1
Yes
5 – 100 % / OFF / 1 min – 255 min
5 – 100 %
5 – 2000 Lux
FC = IP20 / FM = IP20
Class III
FC = 93512 white mat, similar to RAL9010 FM = 93513 white mat, similar to RAL9010



- KNX presence detector with integrated KNX bus connector
- Low installation depth
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs

via KNX BUS
25 mA
horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK05
-5 °C to +45 °C
-25 °C to +55 °C
polycarbonate, UV-resistant
2
1
Yes
5 – 100 % / OFF / 1 min – 255 min
5 – 100 %
5 – 2000 Lux
FC = IP20 / FM = IP20
Class III
FC = 93530 white mat, similar to RAL9010 FM = 93531 white mat, similar to RAL9010



- KNX presence detector with integrated KNX bus connector
- KNX Secure ready
- Individual adaption of detection sensitivity for each PIR sensor

via KNX BUS
12 mA
horizontal 360° (Ceiling mounting)
max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
450 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m
IK04
-
-25 °C to +55 °C
polycarbonate, UV-resistant
2
4
Yes
-
-
5 – 2000 Lux
FC = IP20 / FM = IP20
Class III
FC = 93535 white mat, similar to RAL9010 FM = 93536 white mat, similar to RAL9010





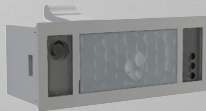
PD4N-KNXs-ST



PD4N-KNXs-DX



PD4-KNXs-GH-DX





PD5N-LAMELLA-KNXs-DX



PICO-KNXs-ST

Technical Data

Product information	<ul style="list-style-type: none"><li>■ KNX presence detector with integrated KNX bus connector</li><li>■ KNX Secure ready</li><li>■ Parameterisation from ETS 5 for integration into KNX systems</li></ul>	<ul style="list-style-type: none"><li>■ KNX presence detector with integrated KNX bus connector</li><li>■ KNX Secure ready</li><li>■ HCL/RGB control</li></ul>
Voltage	via KNX BUS	via KNX BUS
Typ. power input	12 mA	12 mA
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m
Impact strength	IK04	IK04
Temperature measurement range	-	-5 °C to +45 °C
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Number of light sensors	2	2
Number of PIR sensors	4	4
KNX TP 256	Yes	Yes
Orientation light	5 – 100 % / OFF / 1 min – 255 min	5 – 100 % / OFF / 1 min – 255 min
Night light	5 – 100 %	5 – 100 %
Brightness set value	5 – 2000 Lux	5 – 2000 Lux
Degree of protection	FC = IP20 / FM = IP20	FC = IP20 / FM = IP20
Protection class	Class III	Class III
Item number	FC = 93514 white mat, similar to RAL9010 FM = 93515 white mat, similar to RAL9010	FC = 93516 white mat, similar to RAL9010 FM = 93517 white mat, similar to RAL9010
Comprehensive product information		

- KNX presence detector designed for high-bay warehouses, with integrated KNX bus connector
- KNX Secure ready
- HCL/RGB control

via KNX BUS
12 mA
horizontal 360° oval (Ceiling mounting)
30 m x 19 m
440 m² / 14 m mounting height
5 m / 16 m / 14 m
IK04
-5 °C to +45 °C
-25 °C to +55 °C
polycarbonate, UV-resistant
1
3
Yes
5 – 100 % / OFF / 1 min – 255 min
5 – 100 %
5 – 2000 Lux
SM = IP54
Class III
SM = 93518 white mat, similar to RAL9010



- KNX sensor for installation in slatted ceilings or luminaires
- KNX Secure ready
- HCL/RGB control

via KNX BUS
12 mA
horizontal 360° (Ceiling mounting)
max. Ø 12 m across max. Ø 5 m towards max. Ø 4 m seated
110 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK05
-
-25 °C to +55 °C
polycarbonate, UV-resistant
2
2
Yes
5 – 100 % / OFF / 1 min – 255 min
5 – 100 %
5 – 2000 Lux
IP20
Class III
93508 white mat, similar to RAL9010 93509 black mat, similar to RAL9005



- KNX mini presence detector with integrated bus connector
- KNX Secure ready
- Parameterisation from ETS 5 for integration into KNX systems

via KNX BUS
12 mA
horizontal 360° (Ceiling mounting)
max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK04
-
-25 °C to +55 °C
polycarbonate, UV-resistant
1
1
Yes
5 – 100 % / OFF / 1 min – 255 min
5 – 100 %
5 – 2000 Lux
FC = IP20
Class III
FC = 93539 white mat, similar to RAL9010







Technical Data	PICO-KNXs-DX	PD9-KNXs-DX	PD11-KNXs-FLAT-ST	PD11-KNXs-FLAT-DX	Indoor 180-KNXs-ST
Product information	<ul style="list-style-type: none"><li>■ KNX mini presence detector with integrated bus connector</li><li>■ KNX Secure ready</li><li>■ HCL/RGB control</li></ul>	<ul style="list-style-type: none"><li>■ KNX mini presence detector with integrated bus connector</li><li>■ KNX Secure ready</li><li>■ HCL/RGB control</li></ul>	<ul style="list-style-type: none"><li>■ Low profile KNX presence detector with integrated KNX bus connector</li><li>■ KNX Secure ready</li><li>■ Parameterisation from ETS 5 for integration into KNX systems</li></ul>	<ul style="list-style-type: none"><li>■ Low profile KNX presence detector with integrated KNX bus connector</li><li>■ KNX Secure ready</li><li>■ HCL/RGB control</li></ul>	<ul style="list-style-type: none"><li>■ KNX presence detector with integrated KNX bus coupler, especially for installation in walls</li><li>■ KNX Secure ready</li><li>■ Parameterisation from ETS 5 for integration into KNX systems</li></ul>
Voltage	via KNX BUS	via KNX BUS	via KNX BUS	via KNX BUS	via KNX BUS
Typ. power input	12 mA	12 mA	12 mA	12 mA	12 mA
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 180° (Wall mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated	max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated	max. 10 m across max. 3 m towards
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	63 m² / 2.5 m mounting height	63 m² / 2.5 m mounting height	150 m² / 1.1 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	1 m / 2.2 m / 1.1 m
Impact strength	IK04	IK03	IK02	IK02	IK05
Temperature measurement range	-5 °C to +45 °C	-5 °C to +45 °C	-	-5 °C to +45 °C	-
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C	-25 °C to +55 °C	-25 °C to +55 °C	-25 °C to +55 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Number of light sensors	1	1	1	1	1
Number of PIR sensors	1	1	1	1	1
KNX TP 256	Yes	Yes	Yes	Yes	Yes
Cable length	-	45 cm	-	-	-
Orientation light	5 – 100 % / OFF / 1 min – 255 min	5 – 100 % / OFF / 1 min – 255 min	5 – 100 % / OFF / 1 min – 255 min	5 – 100 % / OFF / 1 min – 255 min	5 – 100 % / OFF / 1 min – 255 min
Night light	5 – 100 %	5 – 100 %	5 – 100 %	5 – 100 %	5 – 100 %
Brightness set value	5 – 2000 Lux	5 – 2000 Lux	5 – 2000 Lux	5 – 2000 Lux	5 – 2000 Lux
Degree of protection	FC = IP20	FC = IP20	FC = IP54	FC = IP54	FM = IP20
Protection class	Class III	Class III	Class III	Class III	Class III
Item number	FC = 93529 white mat, similar to RAL9010	FC = 93520 white mat, similar to RAL9010	FC = 93522 white mat, similar to RAL9010	FC = 93523 white mat, similar to RAL9010	FM = 93524 -
Comprehensive product information					



Indoor 180-KNXs-DX



RC-plus next N 230 KNXs-DX 230

Technical Data		
Product information	<ul style="list-style-type: none"><li>■ KNX presence detector with integrated KNX bus coupler, especially for installation in walls</li><li>■ KNX Secure ready</li><li>■ HCL/RGB control</li></ul>	<ul style="list-style-type: none"><li>■ KNX presence detector with integrated KNX bus connector</li><li>■ KNX Secure ready</li><li>■ Integrated downlight with orientation or a night light (RGB) function</li></ul>
Voltage	via KNX BUS	via KNX BUS
Typ. power input	12 mA	12 mA
Output voltage	–	–
Power consumption	–	–
Detection area	horizontal 180° (Wall mounting)	horizontal 230° (Wall mounting)
Range	max. 10 m across max. 3 m towards	max. 20 m across max. 6 m towards max. 4 m anti-creep protection
Monitored area (tangential movement)	150 m² / 1.1 m mounting height	800 m² / 2.5 m mounting height
Mounting height min./max./recommended	1 m / 2.2 m / 1.1 m	2 m / 5 m / 2.5 m
Impact strength	IK05	IK03
Temperature measurement range	-5 °C to +45 °C	-20 °C to +45 °C
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Number of light sensors	1	1
Number of PIR sensors	1	3
Display elements	–	–
KNX TP 256	Yes	Yes
Connections and wires	–	–
Switching power	–	–
Outputs	–	–
Orientation light	5 – 100 % / OFF / 1 min – 255 min	5 – 100 % / OFF / 1 min – 255 min
Night light	5 – 100 %	5 – 100 %
Brightness set value	5 – 2000 Lux	5 – 2000 Lux
Nominal current	–	–
Nominal current (max.)	–	–
Degree of protection	FM = IP20	IP54
Protection class	Class III	Class III
Item number	FM = 93525 –	93527 white mat, similar to RAL9010 93528 black mat, similar to RAL9005
Comprehensive product information		



PSN-230 / 640 / 30 / KNX REG



PSN-230 / 1280 / 30 / KNX REG



UAD1-230/KNXs REG

<ul style="list-style-type: none"><li>■ Compact KNX bus power supply SELV with integrated choke</li><li>■ Auxiliary voltage unchoked 30V DC</li><li>■ Various status indicators via LED</li></ul>	<ul style="list-style-type: none"><li>■ Compact KNX bus power supply SELV with integrated choke</li><li>■ Auxiliary voltage unchoked 30V DC</li><li>■ Various status indicators via LED</li></ul>	<ul style="list-style-type: none"><li>■ Universal dimming actuator and switching actuator (1-channel)</li><li>■ Valve actuator with pulse width modulation (PWM) for thermal actuators</li><li>■ KNX Secure ready</li></ul>
200 – 240 V AC 50 / 60 Hz	200 – 240 V AC 50 / 60 Hz	via KNX BUS
–	–	3 mA
KNX BUS / 30 V DC	KNX BUS / 30 V DC	–
–	–	0.2 W
–	–	–
–	–	–
–	–	–
-5 °C to +50 °C	-5 °C to +45 °C	-5 °C to +45 °C
polycarbonate, UV-resistant (PC)	polycarbonate, UV-resistant (PC)	Polycarbonate
–	–	–
–	–	–
Green LED: in operation Red LED: Reset Red LED: overload	Status LED Bus voltage Status LED Output current Status LED Reset	–
Yes	Yes	Yes
KNX bus terminal black/red	KNX bus terminal black/red	1 x KNX bus terminal black/red 6 x Screw terminals 0.34 ... 2.5 mm² rigid 0.34 ... 2.5 mm² fine-wired
–	–	0 - 200 W Resistive loads 0 - 24 W / 4 LED (Phase control) 0 - 100 W / 10 LED (Phase section) For details please see User manual
–	–	1 x Semiconductor output
–	–	–
–	–	–
–	–	–
–	–	–
640 mA	1280 mA	–
1300 mA	2620 mA	–
IP20	IP20	IP20
Class I	Class I	Class II
90214 –	90215 –	90225 –





LK-IP/KNXs REG



LAN-IF/KNXs REG



USB-C-IF/KNX








LK-TP/KNXs



BIA4-KNXs REG

Technical Data

Product information	<ul style="list-style-type: none"><li>Enables the secure forwarding (routing) of telegrams between different lines via a LAN (IP, Ethernet) as a fast backbone.</li><li>As a secure router, the device enables the coupling of unsecured communication on a KNX TP line with a secure IP backbone</li><li>Has an extended filter table for main group 0 to 31 and can buffer up to 150 telegrams</li></ul>	<ul style="list-style-type: none"><li>The LAN-IF/KNXs REG serves as a secure interface between a LAN (IP, Ethernet) and KNX</li><li>Can be used as programming interface for the ETS</li><li>As KNX Secure Interface (tunneling) the device prevents unauthorized access to the system</li></ul>	<ul style="list-style-type: none"><li>USB-C data interface and programming interface between PC/laptop and the KNX bus</li><li>Compact DIN rail mounting device with a width of just 18 mm (1 HP)</li><li>Supports KNX long frames from ETS 5 onwards</li></ul>	<ul style="list-style-type: none"><li>KNX TP Line coupler in a compact design. It connects two KNX bus segments via twisted pair</li><li>KNX Secure ready</li><li>extended filter table for main group 0 to 31</li></ul>	<ul style="list-style-type: none"><li>Compact binary input with 4 channels for controlling luminaires, blinds, etc</li><li>KNX Secure ready</li><li>Galvanically isolated inputs for external voltage from 12 to 230 V</li></ul>
Voltage	via KNX BUS	via KNX BUS	via KNX BUS	via KNX BUS	via KNX BUS
Typ. power input	20 mA	20 mA	3 mA typical	10 mA typical	3 mA
Power consumption	-	-	0.1 W	-	-
Ambient temperature	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant (PC)	polycarbonate, UV-resistant (PC)	Polycarbonate	polycarbonate, UV-resistant (PC)	polycarbonate, UV-resistant
KNX TP 256	Yes	Yes	Yes	Yes	Yes
Connections and wires	1 x KNX bus terminal black/red, 1 x RJ45 socket (ethernet)	1 x KNX bus terminal black/red, 1 x RJ45 socket (ethernet)	1 x KNX bus terminal black/red USB type C	2 x KNX bus terminal black/red	1 x KNX bus terminal black/red 6 x Screw terminals 0.34 ... 2.5 mm² rigid 0.34 ... 2.5 mm² fine-wired
Degree of protection	IP20	IP20	IP20	IP20	IP20
Protection class	Class III	Class III	Class III	Class III	Class II
Item number	90403 -	90404 -	90408 -	90410 -	90411 -
Comprehensive product information					



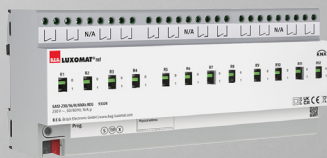
BIP4-KNXs REG



SA4 - 230 / 16 / H / KNXs REG



SA8 - 230 / 16 / H / KNXs REG



SA12 - 230 / 16 / H / KNXs REG



ViSTATION

Product information

- Compact binary input with 4 channels for controlling luminaires, blinds, etc
- KNX Secure ready
- Galvanically isolated inputs for potential-free contacts

- Switching actuator for switching loads
- KNX Secure ready
- Industrial quality

- Switching actuator for switching loads
- KNX Secure ready
- Industrial quality

- Switching actuator for switching loads
- KNX Secure ready
- Industrial quality

- Web server for visualisation of KNX installations
- Highlights:
  - Visualisation solution without cloud, via IP network (LAN/WLAN) / KNX IP Secure
  - Create projects on the PC in the office and load onto customer ViStation
  - Operation via most web browsers, such as Chromium Browser (Chrome, Edge, many smartphone browsers), Safari, Mozilla Firefox or via APP (Windows, Android, iOS)
- General:
  - PDF status reports by e-mail, sending cycle adjustable
  - Project backup as file download
  - Automatic backups on ViStation
  - Connection to KNX system via IP/TP line coupler
  - Quantity of KNX lines is not limited, quantity of KNX devices is decisive
  - System status with message counter and report output
  - System languages German, English, French, Chinese
  - Updateable, free firmware updates in the download area
  - Free software for operation in the download area and in the Appstores
  - Free ViStation Desktop software as demo for up to 5 KNX devices

Voltage	via KNX BUS
Typ. power input	5 mA
Power consumption	–
Ambient temperature	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant
KNX TP 256	Yes
Connections and wires	1 x KNX bus terminal black/red 6 x Screw terminals ( binary input, max. 30m cable length) 0.34 ... 2.5 mm² rigid 0.34 ... 2.5 mm² fine-wired
Switching power	–
Type of contact	–
Outputs	–
Degree of protection	IP20
Protection class	Class III
Item number	90412 –

Comprehensive product information



via KNX BUS
5 mA typical 20 mA max.
0.15 W
-5 °C to +45 °C
–
Yes
KNX bus terminal black/red 0.2 ... 4.0 mm² rigid 0.25 ... 2.5 mm² fine-wired (with or without ferrule)
<b>per channel</b>
3680 W, cos φ = 1 max. inrush current I <sub>p</sub> (150 µs) = 600 A
µ-contacts, dry NO contact
4 switching outputs
IP20
Class II
93224 –



via KNX BUS
5 mA typical 20 mA max.
0.15 W
-5 °C to +45 °C
–
Yes
KNX bus terminal black/red 0.2 ... 4.0 mm² rigid 0.25 ... 2.5 mm² fine-wired (with or without ferrule)
<b>per channel</b>
3680 W, cos φ = 1 max. inrush current I <sub>p</sub> (150 µs) = 600 A
µ-contacts, dry NO contact
8 switching outputs
IP20
Class II
93228 –



via KNX BUS
5 mA typical 20 mA max.
0.15 W
-5 °C to +45 °C
–
Yes
KNX bus terminal black/red 0.2 ... 4.0 mm² rigid 0.25 ... 2.5 mm² fine-wired (with or without ferrule)
<b>per channel</b>
3680 W, cos φ = 1 max. inrush current I <sub>p</sub> (150 µs) = 600 A
µ-contacts, dry NO contact
12 switching outputs
IP20
Class II
93328 –



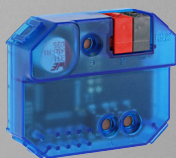
5 V DC
–
max. 5 W
0 °C to +45 °C
Polyamide, UV-resistant
–
Ethernet/LAN
–
–
–
IP20
Class II
93335 –







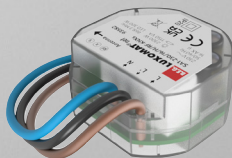
DA64-230/KNX REG DALI-2



LK-RF/KNXs



PD2N-RF-KNXs-DX



SA1-230 / 16 / H / RF-KNXs



USB-Stick-IF/KNX

Technical Data

Product information	<ul style="list-style-type: none"><li>■ KNX DALI gateway for controlling DALI lights</li><li>■ DALI-2 certified product</li><li>■ Each gateway is for controlling and dimming up to 64 electronic ballasts in 16 groups</li></ul>	<ul style="list-style-type: none"><li>■ KNX RF-TP media coupler (wireless)</li><li>■ KNX Secure ready</li><li>■ Compact flush-mounted housing</li></ul>
Voltage	230 V AC -15/+10% 50 / 60 Hz	via KNX BUS
Typ. power input	6 mA (KNX, typical)	10 mA
Output voltage	16 V DC (DALI, typical)	-
Power consumption	0.9 – 6 W	-
Detection area	-	-
Range	-	-
Monitored area (tangential movement)	-	-
Mounting height min./max./recommended	-	-
Impact strength	-	-
Temperature measurement range	-	-
Ambient temperature	-5 °C to +45 °C	-5 °C to +45 °C
Housing	PA66	ABS
Number of light sensors	-	-
Number of PIR sensors	-	-
KNX TP 256	Yes	Yes
KNX RF 256	-	Yes
Cable length	-	-
Connections and wires	KNX bus terminal black/red	KNX bus terminal black/red
Switching power	-	-
Type of contact	-	-
Outputs	-	-
Orientation light	-	-
Night light	-	-
Brightness set value	-	-
Frequency	-	868.3 MHz (EU), 6 dBm
Transmit range	-	max. 150 m
Nominal current	160 mA	-
Nominal current (max.)	250 mA	-
Degree of protection	IP20	FM = IP20
Protection class	Class II	Class III
Item number	93338 -	FM = 90407 blue
Comprehensive product information		

- KNX RF presence detector
- Communication via KNX RF radio
- KNX Secure ready

230 V AC ±10% 50 / 60 Hz
-
-
1 W
horizontal 360° (Ceiling mounting)
max. Ø 10 m across
max. Ø 6 m towards
max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK05
-5 °C to +45 °C
-25 °C to +55 °C
polycarbonate, UV-resistant
2
1
-
Yes
-
-
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
300 W LED
µ-contact, dry NO contact
-
5 – 100 % / OFF / 1 min – 255 min
5 – 100 %
5 – 2000 Lux
868.3 MHz (EU), 10 dBm
max. 150 m
-
-
FC = IP20
Class II
FC = 93580 white mat, similar to RAL9010

- KNX RF switching actuator 230V
- Communication via KNX RF radio
- Internal high-performance antenna, no kinking during installation

230 V AC ±10% 50 / 60 Hz
-
-
1.5 W
-
-
-
-
-
-
-5 °C to +45 °C
-
-
Yes
150 mm
3 x 1.5 mm² Cu
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
300 W LED
µ-contacts, NO contact
1
-
-
-
868.3 MHz (EU), 10 dBm
max. 150 m
-
-
FM = IP20
Class II
FM = 93582 -

- Data interface and programming interface between PC/laptop and the KNX bus
- Compact USB stick for mobile use
- Supports KNX long frames from ETS 5 onwards

via KNX BUS
3 mA typical
-
0.1 W
-
-
-
-
-5 °C to +45 °C
ABS
-
-
Yes
-
-
1 x KNX bus terminal black/red
USB type A
-
-
-
-
-
-
IP20
Class III
90409 -



WS-VOC-HVAC-KNX




PB-KNX-ST




PBM-KNXs-DX-4W

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Temperature controller and VOC (volatile organic compounds) sensor for KNX bus</li><li>■ Temperature control: PI controller (continuous), 2-step controller %, 2-step switching, PWM</li><li>■ Preset temperature curves for different heating/cooling systems</li></ul>
Voltage	via KNX BUS
Typ. power input	12 mA
Power consumption	-
Ambient temperature	-5 °C to +45 °C
Housing	Polycarbonate
Display elements	1 x Programming LED, red 2 x Traffic light LED, red/yellow/green 1 x LED, red/blue 1 x LED, green
Manual operation	Programming button, push-button for comfort function, Potentiometer for setpoint adjustment
KNX TP 256	Yes
Cable length	-
Connections and wires	KNX bus terminal black/red
LED connector	-
Degree of protection	FM = IP20
Protection class	Class III
Item number	FM = 93806 white
Comprehensive product information	

<ul style="list-style-type: none"><li>■ Binary input device (multi-point push-button) for use in 60 mm flush-mounted boxes</li><li>■ Suitable for switch ranges 55x55</li><li>■ Adapter for switch ranges 64x64 included</li></ul>
via KNX BUS
9.5 mA (typ.) (Imax parameterisable 12.5 mA or 20 mA)
-
-5 °C to +45 °C
-
(2-8) x LED (status; red, green, flashing)
93172: 2 x Push-button function 93174: 4 x Push-button function 93176: 6 x Push-button function 93178: 8 x Push-button function
Yes
-
2 x 1 mm pins for bus terminal plug board: 8 pin
-
FM = IP20 / FM = IP20 / FM = IP20 / FM = IP20
Class III
FM = 93172 white FM = 93174 white FM = 93176 white FM = 93178 white


<ul style="list-style-type: none"><li>■ Binary input or output device (push-button interface) for pattress boxes (60 mm)</li><li>■ KNX Secure ready</li><li>■ There are four channels available. Each can either be used as input for a potential-free push-button or switch contact or as binary output for switching a control lamp.</li></ul>
via KNX BUS
9.5 mA (typ.) (Imax parameterisable 12.5 mA or 20 mA)
0.3 W
-5 °C to +45 °C
-
Programming LED
-
Yes
270 mm
plug board: 8 pin Prefabricated connecting wires (extendable to a total of max. 5 m)
Imax 3.6 mA const. (PWM) LED 3.5 V / 4 mA
FM = IP20 / FM = IP20
Class III
FM = 93412






PD11-DALI-LINK-FLAT



PD4N-DALI-LINK



PD4-DALI-LINK-GH



PICO-DALI-LINK



PBM-DALI-LINK-4W-BLE

Product information

- Low profile DALI multisensor (visible height: 0,85 mm)
- Powered via DALI bus
- Seamless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option

- Wide range DALI multisensor
- Powered via DALI bus
- Seamless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option

Voltage

via DALI Bus, max. 22.5 V DC

via DALI Bus, max. 22.5 V DC

Settings

PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)

PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)

Typ. power input

4 mA

7 mA

Power consumption

0.1 W

–

Detection area

horizontal 360° (Ceiling mounting)

horizontal 360° (Ceiling mounting)

Range

max. Ø 9 m across  
max. Ø 6 m towards  
max. Ø 3 m seated

max. Ø 24 m across  
max. Ø 8 m towards  
max. Ø 6.4 m seated

Monitored area (tangential movement)

63 m² / 2.5 m mounting height

450 m² / 2.5 m mounting height

Mounting height min./max./recommended

2 m / 5 m / 2.5 m

2 m / 10 m / 2.5 m

Impact strength

IK02

IK04

Ambient temperature

-25 °C to +50 °C

-25 °C to +55 °C

Housing

polycarbonate, UV-resistant

polycarbonate, UV-resistant

Cable length

–

–

Connections and wires

0.5 – 2.5 mm² for solid conductors

–

Follow-up time

1 sec – 120 min

1 sec – 120 min

Orientation light

5 – 100 % / 1 min – 120 min / ∞

5 – 100 % / 1 min – 120 min / ∞

Brightness set value

10 – 2500 Lux

10 – 2500 Lux

Frequency

–

–

Degree of protection

FC = IP20

IP20

Protection class

Class II

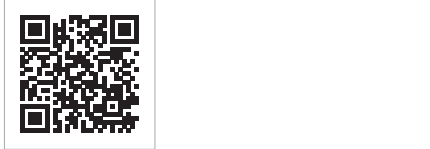
Class II

Item number

FC = 93068 white mat, similar to RAL9010

93377 white mat, similar to RAL9010

Comprehensive product information



- DALI multisensor for surface mounting in large mounting heights
- Powered via DALI bus
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.

via DALI Bus, max. 22.5 V DC

–

7 mA

–

horizontal 360° oval (Ceiling mounting)

30 m x 19 m

440 m² / 14 m mounting height

5 m / 16 m / 14 m

IK04

-25 °C to +50 °C

polycarbonate, UV-resistant

–

–

1 sec – 120 min

5 – 100 % / 1 min – 120 min / ∞

10 – 2500 Lux

–

SM = IP54

Class II

SM = 93845 white mat



- Mini DALI multisensor with only 11mm installation depth for installation in luminaires
- Powered via DALI bus
- Seamless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option

via DALI Bus, max. 22.5 V DC

PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)

2 mA

–

horizontal 360° (Ceiling mounting)

max. Ø 10 m across  
max. Ø 6 m towards  
max. Ø 4 m seated

78 m² / 2.5 m mounting height

2 m / 5 m / 2.5 m

IK04

-25 °C to +55 °C

polycarbonate, UV-resistant

–

–

–

–

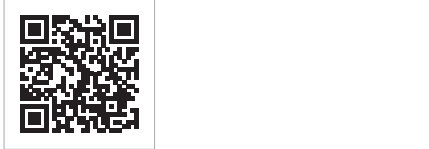
10 – 2500 Lux

–

FC = IP20

Class II

FC = 93908 white, similar to RAL9010



- DALI push-button module with 4 binary inputs and integrated Bluetooth gateway for hidden mounting behind flush mount switches.
- Parameterisation of the DALI-LINK solution via Bluetooth with a smartphone and the B.E.G. DALI-LINK App.
- 4 inputs for conventional push-buttons, freely configurable

via DALI Bus, max. 22.5 V DC

Smartphone with DALI-LINK App (iOS / Android)

7 mA

–

–

–

–

–

–

-25 °C to +50 °C

Polycarbonate

max. 50 cm

–

1 min – 150 min (staircase mode only)

–

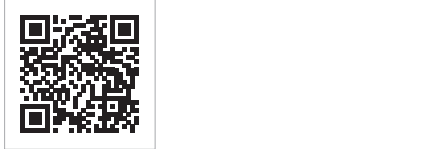
–

2.4 GHz ISM band, GFSK 3 dBm

IP20

Class II

92732 –



DALI-LINK



PBM-DALI-LINK-4W



PS-DALI-LINK-FC



PS-DALI-LINK-USB-REG



SW-DALI-LINK-BLE-APP



STARTERSET-DALI-LINK-SMALL-OFFICE

Product information	<ul style="list-style-type: none"><li>Binary DALI input device for installation in in-wall sockets</li><li>4 inputs for conventional push-buttons, freely configurable</li><li>Operating modes: Standard, staircase or scene mode</li></ul>	<ul style="list-style-type: none"><li>DALI power supply for the B.E.G. DALI-LINK multi room solution for installation in suspended ceilings.</li><li>Parameterisation of the DALI-LINK solution via Bluetooth with a smartphone and the B.E.G. DALI-LINK App.</li><li>For example, 25 DALI luminaires and 6 DALI-LINK control devices (multi-sensors or push-button interfaces) can be connected to the power supply.</li></ul>	<ul style="list-style-type: none"><li>DALI power supply with integrated USB interface for DIN-rail mounting</li><li>For example, 45 DALI luminaires and 10 DALI-LINK control devices (multi-sensors or push-button interfaces) can be connected to the power supply.</li><li>Integrated USB interface allows expansion to networkable B.E.G. LUXOMAT®net DALI-SYS lighting management solution</li></ul>	<ul style="list-style-type: none"><li>Smartphone App for commissioning and/or operating the B.E.G. LUXOMATnet DALI-LINK multi room lighting control solution</li><li>2 software versions for iOS and Android</li><li>Available for free in the corresponding app store (search for „B.E.G. DALI-LINK“)</li></ul>	<ul style="list-style-type: none"><li>DALI-LINK Multi Room Solution - Starter Set</li><li>DALI push-button module with 4 binary inputs and integrated Bluetooth gateway for hidden mounting behind flush mount switches.</li><li>Particularly flat, addressable DALI multi sensor with a visible height of only 0.85 mm and with integrated DALI application controller.</li></ul>
Voltage	via DALI Bus, max. 22 V	110 – 277 V AC 50 / 60 Hz	230 V AC -15/+10% 50 / 60 Hz	–	110 – 277 V AC
Settings	via DIP switch, HEX switch, B.E.G. BLE App	–	with Firmware update function button, B.E.G. PC Tools	–	–
Operating system	–	–	–	Android >= V4.1 / iOS >= 11.2.6	–
Typ. power input	7 mA	–	–	–	–
Output voltage	–	16 V DC (DALI, typical)	16 V DC	–	16 V DC (DALI, typical)
Power consumption	–	3.3 W	6 W	–	–
Ambient temperature	-25 °C to +50 °C	-5 °C to +45 °C	+5 °C to +45 °C	–	–
Housing	polycarbonate, UV-resistant	Polycarbonate + ABS mixture	Polyamide, UV-resistant	–	–
Cable length	50 cm	–	–	–	–
Connections and wires	–	0.25 – 2.5 mm² for solid conductors	USB	–	–
Scope of delivery	–	–	–	–	PS-DALI-LINK-FC, PBM-DALI-LINK-4W-BLE, PD11-DALI-LINK-FLAT
Follow-up time	1 min – 150 min (staircase mode only)	–	–	–	–
Nominal current	–	100 mA	–	–	–
Nominal current (max.)	–	120 mA	210 mA	–	–
Degree of protection	FM = IP20	FC = IP20	IP20	–	–
Protection class	Class II	Class II	Class II	–	–
Item number	FM = 93396 white	FC = 92846 white	93189 white	92847	93840
Comprehensive product information					




DALI-LINK



Technical Data

RM1-LINK-REG DALI-2


Product information	<ul style="list-style-type: none"><li>DIN-rail DALI relay module with 1 switching channel</li><li>High-output and potential-free contact for loads with high inrush current</li><li>Integrated application controller with different operating modes</li></ul>
Voltage	via DALI Bus, max. 22.5 V DC
Settings	PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)
Typ. power input	5 mA
Detection area	–
Range	–
Monitored area (tangential movement)	–
Mounting height min./max./recommended	–
Impact strength	–
Ambient temperature	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Relay</b> 3000 W, cos φ = 1 1500 VA, cos φ = 0.5
Type of contact	μ-contact, NO contact
Follow-up time	1 min – 150 min (Cut-off and HVAC mode only)
Orientation light	–
Brightness set value	–
Light measuring	–
Degree of protection	IP20
Protection class	Class II
Item number	93083 white
Comprehensive product information	

Exclusive project distribution with B.E.G. as integrator.\*

DALI-SYS




LC-plus-DALI-SYS 280

<ul style="list-style-type: none"><li>Wide range DALI multisensor for outdoor</li><li>Powered via DALI bus</li><li>Seamless integration in B.E.G. LUX-OMAT®net DALI-SYS</li></ul>
via DALI Bus, max. 22.5 V DC
B.E.G. PC Tools, B.E.G. DALI-SYS router
7 mA
horizontal 280° (Wall mounting)
max. 16 m across
max. 9 m towards
620 m² / 2.5 m mounting height
2 m / 3 m / 2.5 m
IK02
-25 °C to +50 °C
polycarbonate, UV-resistant
–
–
1 sec – 120 min
5 – 100 % / 1 s – 120 min
10 – 2500 Lux
–
IP54
Class II
93308 white mat, similar to RAL9010





PD2N-DALI-SYS

<ul style="list-style-type: none"><li>DALI multisensor</li><li>Powered via DALI bus</li><li>Seamless integration in B.E.G. LUX-OMAT®net DALI-SYS</li></ul>
via DALI Bus, max. 22.5 V DC
B.E.G. PC Tools, B.E.G. DALI-SYS router
3 mA
horizontal 360° (Ceiling mounting)
max. Ø 10 m across
max. Ø 6 m towards
max. Ø 4 m seated
78 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m
IK05
-25 °C to +55 °C
polycarbonate, UV-resistant
–
–
1 sec – 120 min
5 – 100 % / 1 min – 120 min / ∞
10 – 2500 Lux
–
FM = IP20 / FC = IP20
Class II
FM = 93368 white
FC = 93369 white




PD4N-DALI-SYS

<ul style="list-style-type: none"><li>Wide range DALI multisensor</li><li>Powered via DALI bus</li><li>Seamless integration in B.E.G. LUX-OMAT®net DALI-SYS</li></ul>
via DALI Bus, max. 22.5 V DC
B.E.G. DALI-SYS ROUTER / B.E.G. DALI-SYS PC-Tools
7 mA
horizontal 360° (Ceiling mounting)
max. Ø 24 m across
max. Ø 8 m towards
max. Ø 6.4 m seated
450 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m
IK04
-25 °C to +55 °C
polycarbonate, UV-resistant
–
–
1 sec – 120 min
5 – 100 % / 1 min – 120 min / ∞
10 – 2500 Lux
Mixed light measuring
IP20
Class II
93340 white mat, similar to RAL9010


\*Products in this product family can only be ordered after a pre-approved release process by B.E.G. Project Sales. Please contact B.E.G. or your direct B.E.G. contact person for further information.



PD4-DALI-SYS-GH



PICO-DALI-SYS

Technical Data		
Product information	<ul style="list-style-type: none"><li>■ DALI multisensor for surface mounting in large mounting heights</li><li>■ Powered via DALI bus</li><li>■ External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.</li></ul>	<ul style="list-style-type: none"><li>■ Mini DALI multisensor with only 11mm installation depth for installation in luminaires</li><li>■ Powered via DALI bus</li><li>■ Seamless integration in B.E.G. LUX-OMAT®net DALI-SYS</li></ul>
Voltage	via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22.5 V DC
Settings	B.E.G. PC Tools, B.E.G. DALI-SYS router	B.E.G. DALI-SYS ROUTER / B.E.G. DALI-SYS PC-Tools
Typ. power input	7 mA	2 mA
Power consumption	–	–
Detection area	horizontal 360° oval (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	30 m x 19 m	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	440 m² / 14 m mounting height	78 m² / 2.5 m mounting height
Mounting height min./max./recommended	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m
Impact strength	IK04	IK04
Ambient temperature	-25 °C to +50 °C	-25 °C to +55 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	–	–
Connections and wires	–	–
Follow-up time	1 sec – 120 min	1 sec – 120 min
Orientation light	5 – 100 % / 1 min – 120 min / ∞	5 – 100 % / 1 min – 120 min / ∞
Brightness set value	10 – 2500 Lux	5 – 2500 Lux
Degree of protection	SM = IP54	FC = IP20
Protection class	Class II	Class II
Item number	SM = 93345 white mat	FC = 93909 white
Comprehensive product information		



PD11-DALI-SYS-FLAT



PBM-DALI-SYS-4W



ROUTER2-DALI-SYS-BACnet-REG

Product information	<ul style="list-style-type: none"><li>■ Low profile DALI multisensor (visible height: 0,85 mm)</li><li>■ Powered via DALI bus</li><li>■ Seamless integration in B.E.G. LUX-OMAT®net DALI-SYS</li></ul>	<ul style="list-style-type: none"><li>■ Binary DALI input device for installation in in-wall sockets</li><li>■ 4 inputs for conventional push-buttons, freely configurable</li><li>■ Seamless integration in B.E.G. LUX-OMAT®net DALI-SYS</li></ul>	<ul style="list-style-type: none"><li>■ Router with integrated web server and application controller for DIN rail mounting according to DIN EN 60715.</li><li>■ 4 USB ports for controlling up to 4 separately available B.E.G. application controllers with integrated DALI power supply unit</li><li>■ 1 LAN port for networking up to 100 devices, up to 400 interconnected DALI lines possible</li></ul>
Voltage	via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22 V DC	5 V DC
Settings	B.E.G. PC Tools, B.E.G. DALI-SYS router	via DIP switch, HEX switch, B.E.G. BLE App, B.E.G. PC Tools, B.E.G. DALI Router	Via integrated web server and compatible web browser
Typ. power input	7 mA	7 mA	–
Power consumption	–	–	< 5 W
Detection area	horizontal 360° (Ceiling mounting)	–	–
Range	max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated	–	–
Monitored area (tangential movement)	63 m² / 2.5 m mounting height	–	–
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	–	–
Impact strength	IK02	–	–
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C	0 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	Polyamide, UV-resistant
Cable length	–	max. 50 cm	–
Connections and wires	–	–	4 x USB, 1 x LAN
Follow-up time	1 sec – 120 min	1 min – 150 min (staircase mode only)	–
Orientation light	5 – 100 % / 1 min – 120 min / ∞	–	–
Brightness set value	10 – 2500 Lux	–	–
Degree of protection	FC = IP20	FM = IP20	IP20
Protection class	Class II	Class II	Class II
Item number	FC = 92731 white mat, similar to RAL9010	FM = 92842 white	93355 white
Comprehensive product information			





\*Products in this product family can only be ordered after a pre-approved release process by B.E.G. Project Sales. Please contact B.E.G. or your direct B.E.G. contact person for further information.





All housing combinations and colour options can be found on page 130 onwards and on our website.

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All housing combinations and colour options can be found on page 130 onwards and on our website.



		
Technical Data	ROUTER2-DALI-SYS-REG	PS-DALI-SYS-USB-REG
Product information	<ul style="list-style-type: none"><li>Router with integrated web server and application controller for DIN rail mounting according to DIN EN 60715.</li><li>4 USB ports for controlling up to 4 separately available B.E.G. application controllers with integrated DALI power supply unit</li><li>1 LAN port for networking up to 100 devices, up to 400 interconnected DALI lines possible</li></ul>	<ul style="list-style-type: none"><li>DALI power supply with integrated USB interface for DIN-rail mounting</li><li>As standalone solution or for seamless integration into B.E.G. LUXOMAT®net DALI-SYS</li><li>Integrated application controller for addressing up to 64 DALI components</li></ul>
Voltage	5 V DC	230 V AC -15/+10% 50 / 60 Hz
Settings	Via integrated web server and compatible web browser	Firmware update function button, B.E.G. PC Tools
Typ. power input	-	-
Output voltage	-	16 V DC
Power consumption	max. 5 W	6 W
Ambient temperature	0 °C to +45 °C	+5 °C to +45 °C
Housing	Polyamide, UV-resistant	Polyamide, UV-resistant
Connections and wires	4 x USB, 1 x LAN	0.2 ... 4.0 mm² rigid 0.25 ... 2.5 mm² fine-wired (with or without ferrule), USB
Switching power	-	-
Type of contact	-	-
Follow-up time	-	-
Nominal current (max.)	-	210 mA
Degree of protection	IP20	IP20
Protection class	Class II	Class II
Item number	93480 white	92843 white
Comprehensive product information		

		
Technical Data	VISTATION-DALI-SYS-REG	RM1-SYS-REG DALI-2
Product information	<ul style="list-style-type: none"><li>Virtual Interface Station - The visualisation and remote server for the B.E.G. LUX-OMAT®net DALI-SYS lighting management system</li><li>Plastic housing, 4 widths units (DIN-rail, top hat)</li><li>1 Ethernet/LAN connection</li></ul>	<ul style="list-style-type: none"><li>DIN-rail DALI relay module with 1 switching channel</li><li>High-output and potential-free contact for loads with high inrush current</li><li>Seamless integration in B.E.G. LUX-OMAT®net DALI-SYS</li></ul>
Voltage	5 V DC	via DALI Bus, max. 22 V DC
Settings	-	via B.E.G. BLE App, B.E.G. PC Tools, B.E.G. DALI Router
Typ. power input	-	5 mA
Output voltage	-	-
Power consumption	max. 5 W	-
Ambient temperature	0 °C to +45 °C	-25 °C to +50 °C
Housing	Polyamide, UV-resistant	polycarbonate, UV-resistant
Connections and wires	-	-
Switching power	-	<b>Relay</b> 3000 W, cos φ = 1 1500 VA, cos φ = 0.5
Type of contact	-	μ-contact, NO contact
Follow-up time	-	1 min – 150 min (Cut-off and HVAC mode only)
Nominal current (max.)	-	-
Degree of protection	IP20	IP20
Protection class	Class II	Class II
Item number	93023 grey	93082 white
Comprehensive product information		

\*Products in this product family can only be ordered after a pre-approved release process by B.E.G. Project Sales. Please contact B.E.G. or your direct B.E.G. contact person for further information.

\*Products in this product family can only be ordered after a pre-approved release process by B.E.G. Project Sales. Please contact B.E.G. or your direct B.E.G. contact person for further information.



PD4N-CAS



PD4N-CAS DALI-2



PD2N-CAS



PD2N-CAS DALI-2



PD4-CAS2-GH

Technical Data

Product information	<ul style="list-style-type: none"><li>Casambi-enabled presence detector</li><li>Bright LED indication for commissioning</li><li>Mixed light measurement with internal and external light sensor</li></ul>	<ul style="list-style-type: none"><li>Casambi-enabled presence detector</li><li>DALI-2 interface for controlling digital dimmable ECGs in broadcast/multicast mode</li><li>Integrated temperature monitoring and short-circuit detection</li></ul>	<ul style="list-style-type: none"><li>Casambi-enabled presence detector</li><li>Mixed light measurement with internal and external light sensor</li><li>Weighting between internal and external light sensor can be adapted to suit the application</li></ul>	<ul style="list-style-type: none"><li>Casambi-enabled presence detector</li><li>DALI-2 interface for controlling digital dimmable ECGs in broadcast/multicast mode</li><li>Integrated temperature monitoring and short-circuit detection</li></ul>	<ul style="list-style-type: none"><li>Casambi-enabled presence detector for surface mounting in large mounting heights</li><li>Bright LED indication for commissioning</li><li>External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.</li></ul>
Voltage	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
Settings	Casambi App	Casambi App	Casambi App	Casambi App	Casambi App
Power consumption	0.5 W	0.5 W	0.5 W	0.5 W	0.4 W
Detection area	horizontal 360° oval (Ceiling mounting)	horizontal 360° oval (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° oval (Ceiling mounting)
Range	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	30 m x 19 m
Monitored area (tangential movement)	450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	440 m² / 14 m mounting height
Mounting height min./max./recommended	2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	5 m / 16 m / 14 m
Impact strength	IK04	IK04	IK04	IK04	IK04
Ambient temperature	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Number of PIR sensors	4	4	1	1	–
DALI output	Channel 1 (lighting control) –	Channel 1 (lighting control) 80 mA (guaranteed), 125 mA (max.), shut down mechanism	Channel 1 (lighting control) –	Channel 1 (lighting control) 80 mA (guaranteed), 125 mA (max.), shut down mechanism	Channel 1 (lighting control) –
supported control gear	–	DT0, DT5, DT6, DT7, DT8	–	DT0, DT5, DT6, DT7, DT8	–
supported control devices	–	- (single master)	–	- (single master)	–
Follow-up time	1 sec – 60 min	1 sec – 60 min	1 sec – 60 min	1 sec – 60 min	1 sec – 60 min
Brightness set value	1 – 4000 Lux	1 – 4000 Lux	1 – 4000 Lux	1 – 4000 Lux	1 – 4000 Lux
Degree of protection	Mixed light measuring	Mixed light measuring	Mixed light measuring	Mixed light measuring	Mixed light measuring
Protection class	FC = IP20	SM = IP20	FC = IP20	IP20	SM = IP54
Protection class	Class II	Class II	Class II	Class II	Class II
Item number	FC = 93474 white mat, similar to RAL9010	SM = 93473 white mat, similar to RAL9010	FC = 93477 white mat, similar to RAL9010	93476 white mat, similar to RAL9010	SM = 93479 white mat, similar to RAL9010
Comprehensive product information					





Technical Data

PD4-CAS2-GH DALI-2

Product information	<ul style="list-style-type: none"><li>Casambi-enabled presence detector for surface mounting in large mounting heights</li><li>Integrated DALI power supply</li><li>DALI-2 interface for controlling digital dimmable ECGs in broadcast mode</li></ul>
Voltage	230 V AC ±10% 50 Hz
Settings	Casambi App
Typ. power input	–
Settling time	–
Power consumption	0.4 W
Detection area	horizontal 360° oval (Ceiling mounting)
Range	30 m x 19 m
Monitored area (tangential movement)	440 m² / 14 m mounting height
Mounting height min./max./recommended	5 m / 16 m / 14 m
Impact strength	IK04
Measured light output	–
Ambient temperature	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant
DALI output	<b>Channel 1 (lighting control)</b> 80 mA (guaranteed), 125 mA (max.), shut down mechanism
supported control gear	DT0, DT5, DT6, DT7, DT8
supported control devices	- (single master)
Follow-up time	1 sec – 60 min
Brightness set value	1 – 4000 Lux
Degree of protection	Mixed light measuring SM = IP54
Protection class	Class II
Item number	SM = 93478 white mat, similar to RAL9010

Comprehensive product information



Feel comfortable in your building

# KNX/DALI-Gateway

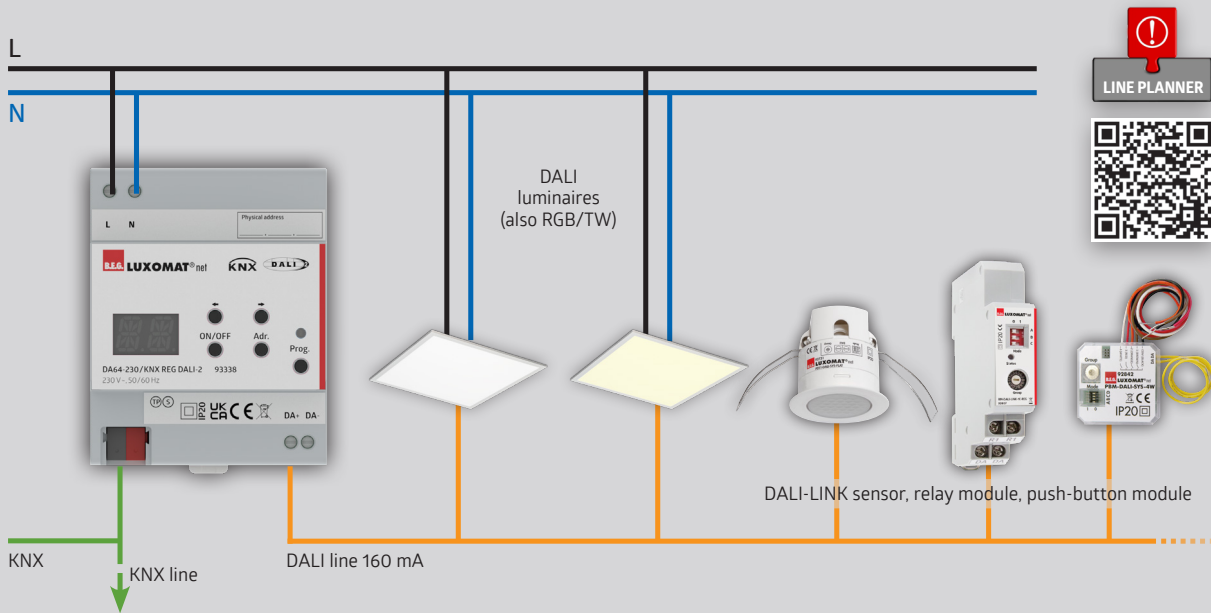


New solutions in building control:  
KNX/DALI gateway reduces costs and simplifies installation

- Combines the advantages of DALI and KNX BUS
- Reduced installation effort
- Includes scene mode and RGB/TW control
- Controls up to 64 ECGs in 16 groups
- Greater flexibility and operational reliability

Compatible DALI control and operating devices:

- Multisensors:**
- 93908 PICO-DALI-LINK
  - 93068 PD11-DALI-LINK-FLAT
  - 93377 PD4N-DALI-LINK
  - 93845 PD4-DALI-LINK-GH
- Push buttons:**
- 93396 PBM-DALI-LINK-4W
- Relays:**
- 93807 RM-DALI-LINK-1C-REG
  - 93854 RM-DALI-LINK-4C-REG



BMS DALI-2



PD2N-BMS DALI-2



PD4N-BMS DALI-2





PD4-BMS-GH-SM DALI-2






PICO-BMS DALI-2



PD11-BMS-FLAT DALI-2

Technical Data		
Product information	<ul style="list-style-type: none"><li>■ DALI-2 multisensor (input device)</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>	<ul style="list-style-type: none"><li>■ Long-range DALI-2 multisensor (input device)</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>
Voltage	via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22.5 V DC
Settings	via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304	via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
Typ. power input	7 mA	7 mA
Settling time	200 ms	200 ms
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 5 m / 2.5 m	2 m / 10 m / 2.5 m
Impact strength	IK05	IK04
Measured light output	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Degree of protection	FM = IP20 / FC = IP20	IP20
Protection class	Class II	Class II
Item number	FC = 93543 white, similar to RAL9010 FM = 93544 white, similar to RAL9010	93546 white mat, similar to RAL9010
Comprehensive product information		

Product information	<ul style="list-style-type: none"><li>■ DALI-2 multisensor (input device) for surface mounting in large mounting heights</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>	<ul style="list-style-type: none"><li>■ Particularly small DALI-2 multisensor (input device) with only 11mm installation depth for installation in luminaires</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>	<ul style="list-style-type: none"><li>■ Low profile DALI-2 multisensor (input device) having a visible height of only 0.85 mm</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>
Voltage	via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22.5 V DC
Settings	via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304	via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304	via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
Typ. power input	7 mA	7 mA	7 mA
Settling time	200 ms	200 ms	200 ms
Detection area	horizontal 360° oval (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	30 m x 19 m	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	max. Ø 9 m across max. Ø 6 m towards max. Ø 3 m seated
Monitored area (tangential movement)	440 m² / 14 m mounting height	78 m² / 2.5 m mounting height	63 m² / 2.5 m mounting height
Mounting height min./max./recommended	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK04	IK04	IK02
Measured light output	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring
Ambient temperature	-25 °C to +50 °C	-25 °C to +55 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Degree of protection	SM = IP54	FC = IP20	FC = IP20
Protection class	Class II	Class II	Class II
Item number	SM = 93545 white mat, similar to RAL9010	FC = 93547 white, similar to RAL9010	FC = 93542 white mat, similar to RAL9010
Comprehensive product information			

BMS DALI-2



BMS DALI-2



Indoor 180-BMS DALI-2



LC-Mini 120-BMS DALI-2



PD5N-LAMELLA-BMS2 DALI-2



IM4-BMS DALI-2



PB-BMS DALI-2

Technical Data		
Product information	<ul style="list-style-type: none"><li>■ DALI-2 multisensor (input device), especially for installation in walls</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>	<ul style="list-style-type: none"><li>■ DALI-2 multisensor (input device) with a detection area of 120°</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>
Voltage	via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22.5 V DC
Settings	via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304	via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
Typ. power input	7 mA	7 mA
Settling time	200 ms	200 ms
Power consumption	approx. 0.5 W	approx. 0.5 W
Detection area	horizontal 180° (Wall mounting)	horizontal 120° (Wall mounting)
Range	max. 10 m across max. 3 m towards	max. 10 m across max. 4 m towards
Monitored area (tangential movement)	150 m² / 1.1 m mounting height	100 m² / 2.5 m mounting height
Mounting height min./max./recommended	1 m / 2.2 m / 1.1 m	2 m / 3 m / 2.5 m
Impact strength	IK05	-
Measured light output	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring
Ambient temperature	-25 °C to +55 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Display elements	-	-
Manual operation	-	-
Cable length	-	-
Connections and wires	-	-
Degree of protection	IP20	IP44
Protection class	Class II	Class II
Item number	93540 white mat, similar to RAL9010	93541 white mat, similar to RAL9010
Comprehensive product information		

<ul style="list-style-type: none"><li>■ DALI-2 multisensor (input device) for installation in lamella ceilings or luminaires</li><li>■ DALI-2 certified product</li><li>■ Powered via DALI bus</li></ul>	<ul style="list-style-type: none"><li>■ Binary DALI input device for installation in in-wall sockets</li><li>■ 4 inputs for conventional push-buttons, freely configurable</li><li>■ DALI-2 certified product</li></ul>	<ul style="list-style-type: none"><li>■ Binary input device (multi-point push-button) for use in 60 mm flush-mounted boxes</li><li>■ Suitable for switch ranges 55x55</li><li>■ Adapter for switch ranges 64x64 included</li></ul>
via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22 V	via DALI Bus, max. 22.5 V DC
via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304	via DALI bus and any software that supports the configuration of existing instance types in accordance with IEC62386	-
4.5 mA	4.6 mA	4.6 mA
200 ms	200 ms	200 ms
-	-	-
horizontal 360° (Ceiling mounting)	-	-
max. Ø 12 m across max. Ø 5 m towards max. Ø 4 m seated	-	-
110 m² / 2.5 m mounting height	-	-
2 m / 5 m / 2.5 m	-	-
-	-	-
0 - 4095 Lux, Mixed light measuring	-	-
-25 °C to +50 °C	-25 °C to +50 °C	-5 °C to +45 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	Polycarbonate
-	-	(2-8) x LED (status; red, green, flashing)
-	-	93835: 2 x Push-button function 93836: 4 x Push-button function 93837: 6 x Push-button function 93838: 8 x Push-button function
300 mm	50 cm	-
plug WAGO 890-1112	-	-
IP20	FM = IP20	FM = IP20 / FM = IP20 / FM = IP20 / FM = IP20
Class II	Class II	Class II
93354 white, similar to RAL9010 93358 black, similar to RAL9005	FM = 93359 transparent	FM = 93835 white FM = 93836 white FM = 93837 white FM = 93838 white





# Script-based\* & cloud-supported- building automation system



Presence-  
dependent control



Daylight-dependent  
control (dimming)



Time-based  
control



Situations/  
scenes



Partitionable  
rooms



Automatic  
addressing



QR code  
installation check



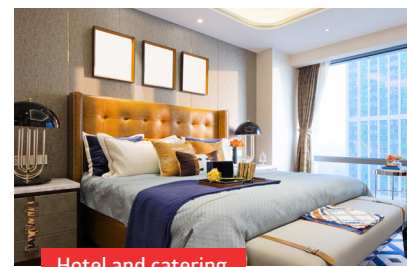
Education sector



Industry



Administrative building



Hotel and catering



Retail trade



Healthcare



Sports facilities



Car parks

Get started in a modern working environment with convenient, cloud-based working, an intuitive user interface and time-saving tools.

Our innovative building automation system LUXONET® creates efficiency and freedom for our best people! Planners, system integrators and electrical installers can look forward to effective, location-independent working, as well as simplicity and time savings on the construction site. The new LUXONET® thus makes work much easier and offers competitive advantages.

**Working remotely via the Internet** saves time and money and makes your work more comfortable! Numerous tasks, such as project planning and remote maintenance, can be carried out via cloud access.

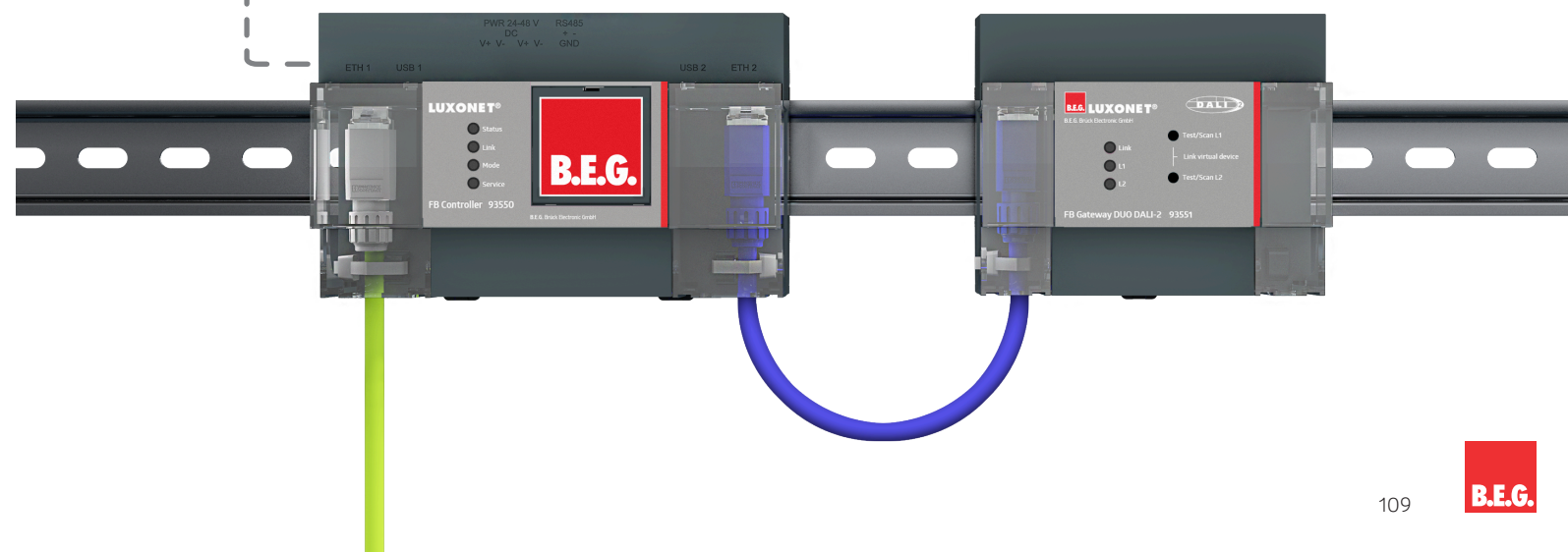
Various applications are available for download as templates in the library.

You do not need to establish a physical connection to devices or install any software. A floor plan for planning and commissioning provides a convenient overview and speeds up your work processes.

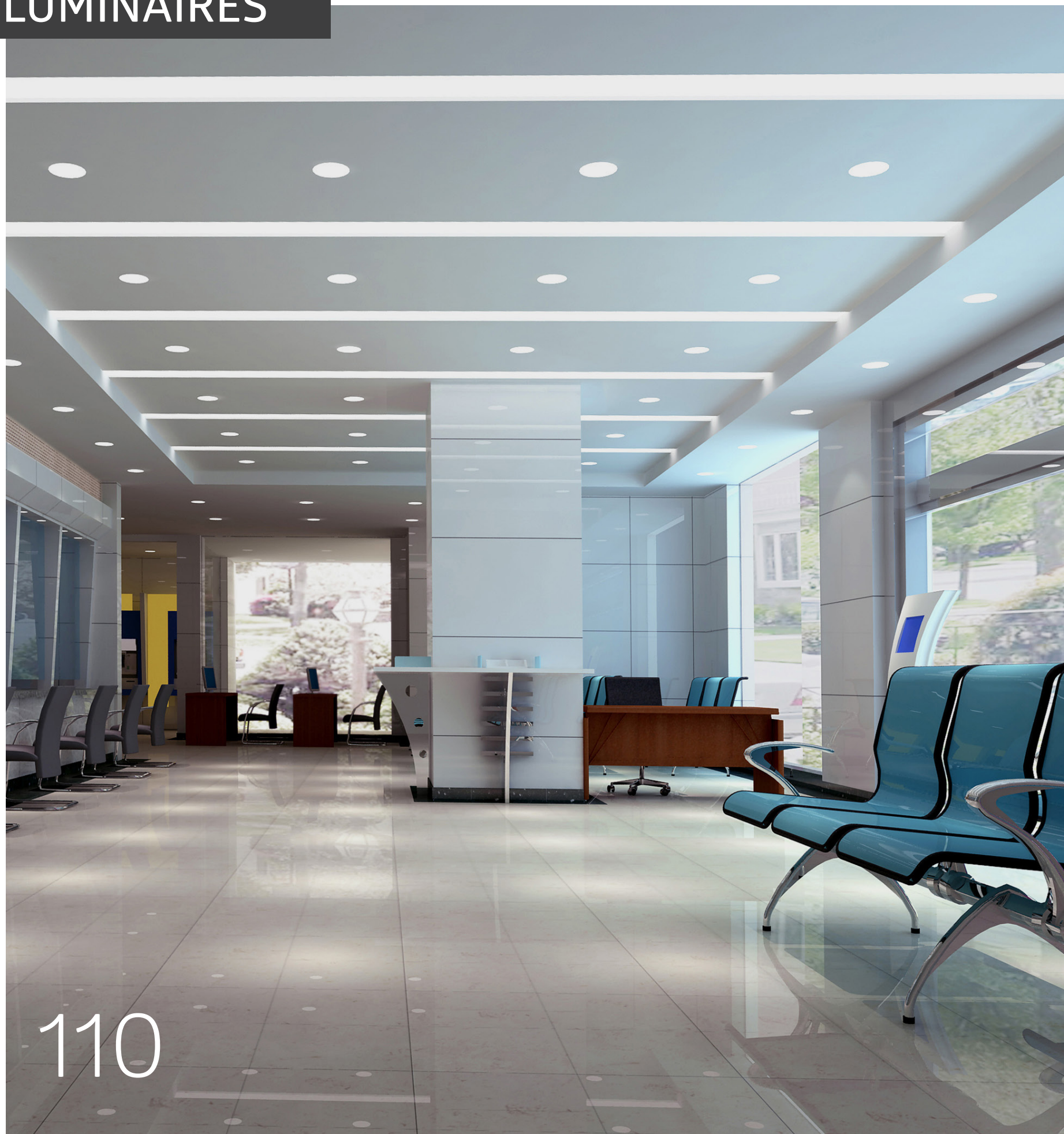
Are you looking for something special? You can always make your own individual settings or adjustments. If necessary, you can also request a more comprehensive outsourcing offer for a room configuration via the B.E.G. Scripting Service. ■

Cloud

**B.E.G.** LUXONET  
Feel comfortable in your building







## Modern lighting with low power consumption

With the right technology, LEDs offer the possibility of achieving high light output with low consumption. The engineers at B.E.G. have developed luminaires that take full advantage of this possibility. In addition to energy savings, the focus is on high functionality, easy installation and contemporary design.

We offer lights with motion detectors based on radar technology. By using this technology with a frequency of 5.8 GHz, movements are detected independently of temperature and in an extremely short time. As detection is also possible through walls, these automatic lights are particularly suitable for applications without direct visual contact.

The B.E.G. LED lights with radar technology retain their original design thanks to the invisibly integrated motion detector. The round lights can be installed quickly and easily in the conventional manner.

Outdoor luminaires



ALC-B-360



SG Oslo



SG Wien



SG KR Crystal Spare glass ALC-K



AL1 130

Technical Data

Product information	<ul style="list-style-type: none"><li>■ System light lower sections ALC-B/-K with motion detector and twilight switch</li><li>■ ALC-B combinable with various system glasses. ALC-K includes system glass Crystal!</li><li>■ Vertical detection range 360° and horizontal detection range 120°</li></ul>
Voltage	230 V AC +/- 10% 50 / 60 Hz
Lamp	max. 100 W with bulb socket E 27
Photobiological safety	RG 0
Ambient temperature	-10 °C to +40 °C
Housing	polycarbonate, UV-resistant
Switching power	<b>Motion detector</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5
Detection area	horizontal 350° (Wall mounting)
Range	max. 10 m across max. 6 m towards max. 4 m anti-creep protection
Follow-up time	4 sec – 10 min
Switch-on threshold	2 – 1000 Lux
Degree of protection	IP44
Protection class	Class II
Item number	91301 white 91321 black

Comprehensive product information



- For freely combining with the system light base ALC-B-360

-
-
-
-
bubble glass - Crystal
-
-
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-
-
94101 transparent



- For freely combining with the system light base ALC-B-360

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-
opal - glossy
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-
-
94113 white



- For freely combining with the system light base ALC-B-360

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-
-
94115 transparent



- AL1 all-purpose light with 130° motion detector
- Additional lights can be switched simultaneously by the one motion detector
- Potentiometer for adjustment of follow-up time and switch-on threshold behind detachable cover

230 V AC +/- 10% 50 / 60 Hz
max. 60 W with bulb socket E 27
RG 0
-10 °C to +40 °C
polycarbonate, UV-resistant
<b>Motion detector</b> 1000 W, cos φ = 1 500 VA, cos φ = 0.5
horizontal 130° (Wall mounting)
max. 9 m across max. 3 m towards
4 sec – 10 min
2 – 1000 Lux
IP44
Class II
91400 white



Outdoor luminaires





Indoor luminaires



L8-LEDN-HF



L9-LEDN-HF

Technical Data		
Product information	<ul style="list-style-type: none"><li>Round LED light for wall or ceiling mounting with integrated microwave detector</li><li>Energy efficient light with long service life &gt; 50,000 hours</li><li>Broad light distribution using diffused light covers</li></ul>	<ul style="list-style-type: none"><li>Round LED light for wall or ceiling mounting with integrated microwave detector</li><li>Microwave detector not visible externally</li><li>HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature</li></ul>
Voltage	230 V AC ±10% 50 / 60 Hz	230 V AC ±10% 50 / 60 Hz
Colour temperature	–	–
Luminous flux / intensity	LED circuit board securely mounted Colour temperature: 4000 K neutral white Luminous flux of LED: 1400 lm Luminous flux of light 1000 lm Peak: 312 cd	LED circuit board securely mounted Colour temperature: 4000 K neutral white Luminous flux of LED: 2800 lm Luminous flux of light 2200 lm Peak: 559 cd
Anti-glare	–	–
Efficiency	83 lm/W	92 lm/W
Photobiological safety	RG 0	RG 0
Colour reproduction	CRI 81.3 / TM30: 80.4	CRI 82.1 / TM30: 81.5
Rated life time	50000 h (L80/B10)	50000 h (L80/B10)
Power consumption	12 W / PF 0.94	24 W / PF 0.94
Flammability rating	–	–
Impact strength	IK02	IK02
Ambient temperature	-20 °C to +40 °C	-20 °C to +40 °C
Housing	Coated sheet steel case with LED circuit board, plastic cover Lens: PMMA diffuser, white	Coated sheet steel case with LED circuit board, plastic cover Lens: PMMA diffuser, white
	<b>Microwave detector</b>	<b>Microwave detector</b>
Radar / HF technology	5.8 GHz, < 10 mW	5.8 GHz, < 10 mW
Switching power	1200 W, cos φ = 1 600 VA, cos φ = 0.5	1200 W, cos φ = 1 600 VA, cos φ = 0.5
Detection area	horizontal 360° Ø 0.4 – 16 m	horizontal 360° (Wall mounting) Ø 0.4 – 16 m
Range	–	–
Follow-up time	5 sec – 15 min	5 sec – 15 min
Switch-on threshold	2 – 2000 Lux	2 – 2000 Lux
Degree of protection	IP40	IP40
Protection class	Class I	Class I
Item number	94455* white	94457* white
Comprehensive product information		

Indoor luminaires






AL8-25-300-LEDN-HF



AL8-25-300-LED-3C-HF



AL12-25-300-LED-3C-HF

<ul style="list-style-type: none"><li>Flat round LED luminaires for wall or ceiling mounting</li><li>Energy efficient light with long service life &gt; 50,000 hours</li><li>Broad light distribution using diffused light covers</li></ul>	<ul style="list-style-type: none"><li>Flat round LED luminaires for wall or ceiling mounting</li><li>Three colours in one light, switchable selection between warm, neutral or day-light white illumination</li><li>Energy efficient light with long service life &gt; 50,000 hours</li></ul>	<ul style="list-style-type: none"><li>Flat LED light for wall or ceiling mounting</li><li>Three colours in one light, switchable selection between warm, neutral or day-light white illumination</li><li>Energy efficient light with long service life &gt; 50,000 hours</li></ul>
200 – 240 V AC 50 Hz	200 – 240 V AC 50 Hz	200 – 240 V AC 50 Hz
4000 K	3000 / 4000 / 5700 K	3000 / 4000 / 5700 K
2500 lm	2000 / 2500 / 2400 lm	2500 / 2700 / 2600 lm
UGR < 25	UGR < 25	UGR < 25
100 lm/W	80 / 100 / 96 lm/W	100 / 108 / 104 lm/W
RG 0	RG 0	RG 0
CRI > 80 / TM30: 82	CRI > 80 / TM30: 82	CRI > 80 / TM30: 82
50000 h (L80/B10)	50000 h (L80/B10)	50000 h (L80/B10)
25 W / PF 0.9	25 W / PF 0.9	25 W / PF 0.9
UL-94 V2, 750 °C	UL-94 V2, 750 °C	UL-94 V2, 750 °C
IK10	IK10	IK10
-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
<b>Microwave detector</b>	<b>Microwave detector</b>	<b>Microwave detector</b>
5.8 GHz, < 0.5 mW	5.8 GHz, < 0.5 mW	5.8 GHz, < 0.5 mW
–	–	–
horizontal 360° (Ceiling mounting) Ø null – 12 m	horizontal 360° (Ceiling mounting) Ø 2 – 12 m	horizontal 360° (Ceiling mounting) Ø 2 – 12 m
max. Ø 14 m towards	max. Ø 14 m towards	max. Ø 14 m towards
20 sec – 10 min	20 sec – 10 min	20 sec – 10 min
inactive / 5 – 50 Lux	inactive / 5 – 50 Lux	inactive / 5 – 50 Lux
IP20	IP20	IP20
Class II	Class II	Class II
93631 white, similar to RAL9016	93141 white, similar to RAL9016	93145 white, similar to RAL9016
		

Indoor luminaires



AL93-20-300-LED-3C-HF



HF-L1



HF-L8



HF-L11



AL8-25-300-LED-3C

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Flat round LED luminaires for ceiling mounting</li><li>■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination</li><li>■ Energy efficient light with long service life &gt; 50,000 hours</li></ul>
Voltage	220 – 240 V AC 50 / 60 Hz
Colour temperature	3000 / 4000 / 5700 K
Luminous flux / intensity	1600 / 1850 / 1700 lm
Lamp	–
Anti-glare	UGR < 19
Efficiency	80 / 92 / 85 lm/W
Photobiological safety	RG 0
Colour reproduction	CRI > 80
Rated life time	50000 h (L80/B10)
Power consumption	20 W / PF 0.9
Flammability rating	UL-94 V2, 750 °C
Impact strength	IK08
Ambient temperature	-20 °C to +45 °C
Housing	Polycarbonate / ADC12
Type of contact	<b>Microwave detector</b> –
Radar / HF technology	5.8 GHz, < 0.5 mW
Switching power	–
Detection area	horizontal 360° (Ceiling mounting) Ø 2 – 8 m
Range	max. Ø 14 m towards
Follow-up time	5 sec – 30 min
Switch-on threshold	inactive / 5 – 50 Lux
Degree of protection	IP54
Protection class	Class II
Item number	93632 white, similar to RAL9016

<ul style="list-style-type: none"><li>■ Wall and ceiling light with integrated microwave detector</li><li>■ Range, switch-on threshold and follow-up time set via potentiometers</li><li>■ HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature</li></ul>
230 V AC ±10% 50 / 60 Hz
–
–
max. 23 W with bulb socket E 27
–
–
RG 0
–
–
–
–
–15 °C to +30 °C
silk-mat glass
<b>Microwave detector</b> –
5.8 GHz, < 10 mW
1200 W, cos φ = 1 600 VA, cos φ = 0.5
horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m
–
5 sec – 15 min
2 – 2000 Lux
IP40
Class II
94440 white



<ul style="list-style-type: none"><li>■ Wall and ceiling light with integrated microwave detector</li><li>■ HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature</li><li>■ Extremely short response time</li></ul>
230 V AC ±10% 50 / 60 Hz
–
–
max. 23 W with bulb socket E 27
–
–
RG 0
–
–
–
–
94445=IK02, 94450=IK06
-15 °C to +30 °C
HF-L8: acrylic glass HF-L7: Polycarbonate
<b>Microwave detector</b> –
5.8 GHz, < 10 mW
1200 W, cos φ = 1 600 VA, cos φ = 0.5
horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m
–
15 sec – 15 min
2 – 2000 Lux
IP40
Class I
94445* white 94450* white



<ul style="list-style-type: none"><li>■ Wall and ceiling light with integrated microwave detector</li><li>■ HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature</li><li>■ Extremely short response time</li></ul>
230 V AC ±10% 50 / 60 Hz
–
–
max. 2 x 23 W with bulb socket E 27
–
–
RG 0
–
–
–
–
IK02
-15 °C to +30 °C
acrylic glass
<b>Microwave detector</b> µ-contact, NO contact
5.8 GHz, < 10 mW
1200 W, cos φ = 1 600 VA, cos φ = 0.5
horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m
–
15 sec – 15 min
2 – 2000 Lux
IP40
Class I
94447* white



<ul style="list-style-type: none"><li>■ Flat round LED luminaires for wall or ceiling mounting</li><li>■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination</li><li>■ Every colour temperature is externally dimmable</li></ul>
200 – 240 V AC 50 Hz
3000 / 4000 / 5700 K
2000 / 2500 / 2400 lm
–
UGR < 25
80 / 100 / 96 lm/W
RG 0
CRI > 80 / TM30: 82
50000 h (L80/B10)
25 W / PF 0.9
UL-94 V2, 750 °C
IK10
-20 °C to +45 °C
polycarbonate, UV-resistant
–
–
–
–
–
IP54
Class II
93621 white, similar to RAL9016



Comprehensive product information

Indoor luminaires



Indoor luminaires



AL12-25-300-LED-3C



AL93-20-300-LED-3C

Product information
Voltage
Colour temperature
Luminous flux / intensity
Lamp
Anti-glare
Efficiency
Photobiological safety
Colour reproduction
Rated life time
Power consumption
Flammability rating
Impact strength
Ambient temperature
Housing
Degree of protection
Protection class
Item number
Comprehensive product information

<ul style="list-style-type: none"><li>■ Flat LED light for wall or ceiling mounting</li><li>■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination</li><li>■ Every colour temperature is externally dimmable</li></ul>
200 – 240 V AC 50 Hz
3000 / 4000 / 5700 K
2500 / 2700 / 2600 lm
–
UGR < 25
100 / 108 / 104 lm/W
RG 0
CRI > 80 / TM30: 82
50000 h (L80/B10)
25 W / PF 0.9
UL-94 V2, 750 °C
IK10
-20 °C to +45 °C
polycarbonate, UV-resistant
IP54
Class II
93615 white, similar to RAL9016



<ul style="list-style-type: none"><li>■ Flat round LED luminaires for ceiling mounting</li><li>■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination</li><li>■ Energy efficient light with long service life &gt; 50,000 hours</li></ul>
220 – 240 V AC 50 / 60 Hz
3000 / 4000 / 5700 K
1600 / 1850 / 1700 lm
–
UGR < 19
80 / 92 / 85 lm/W
RG 0
CRI > 80
50000 h (L80/B10)
20 W / PF 0.8
UL-94 V2, 750 °C
IK08
-20 °C to +45 °C
Polycarbonate / ADC12
IP54
Class II
93633 white, similar to RAL9016



L1

<ul style="list-style-type: none"><li>■ Round wall and ceiling light</li><li>■ Ideally supplements the HF-L1</li><li>■ Supply without lamp</li></ul>
230 V AC ±10% 50 / 60 Hz
–
–
max. 23 W with bulb socket E 27
–
–
RG 0
–
–
–
–
-15 °C to +30 °C
silk-mat glass
IP40
Class II
94453 white



L11

<ul style="list-style-type: none"><li>■ Round wall and ceiling light</li><li>■ Ideally supplements the HF-L11</li><li>■ Supply without lamp</li></ul>
230 V AC ±10% 50 / 60 Hz
–
–
max. 2 x 23 W with bulb socket E 27
–
–
RG 0
–
–
–
–
IK02
-15 °C to +30 °C
acrylic glass
IP40
Class I
94448* white



L7/L8

<ul style="list-style-type: none"><li>■ Round wall and ceiling light</li><li>■ Acrylic glass is suitable for all standard applications</li><li>■ Polycarbonate is appropriate for areas where greater impact resistance is required (e.g. schools, public buildings)</li></ul>
230 V AC ±10% 50 / 60 Hz
–
–
max. 23 W with bulb socket E 27
–
–
RG 0
–
–
–
–
94446=IK02, 94451=IK06
-15 °C to +30 °C
<b>L8:</b> acrylic glass <b>L7:</b> Polycarbonate
IP40
Class I
94446* white 94451* white



Indoor lights



Technical Data

PL2-30120D-LED-AG-DALI-TW

Product information	<div><div></div><div><ul style="list-style-type: none"><li>■ Suspended LED panel luminaire</li><li>■ direct and indirect illumination with separate control</li><li>■ Adjustable light colour from 2700 K to 6500 K</li></ul></div></div>
Voltage	200 – 240 V AC 50 / 60 Hz
Luminous flux / intensity	LED circuit board securely mounted Selectable colour temperatures: 2700 K (6200 lm, 88 lm/W) to 6500 K (6800 lm, 97 lm/W)
Anti-glare	UGR < 19
Efficiency	88 / 97 lm/W
Colour reproduction	CRI 82 / TM30: 81
Rated life time	60000 h (L80/B10)
Luminous power	-
Power consumption	70 W / PF 0.91
Ambient temperature	-20 °C to +40 °C
Housing	white aluminium frame Lens: plastic diffuser, white
Scope of delivery	-
Accu	-
Nominal operation duration	-
Range	-
Degree of protection	IP20
Protection class	Class II
Item number	93667 white
Comprehensive product information	<div></div>

Portable emergency lights



SAFETYLUX portable LED

<div><div></div><div><ul style="list-style-type: none"><li>■ Extremely powerful portable LED emergency light with three operating modes: main beam, blinking warning light, and orientation light</li><li>■ Central LED beam with reflector</li><li>■ Broad illumination of the surroundings thanks to peripherally arranged LEDs</li></ul></div></div>
-
LED circuit board securely mounted Colour temperature: 6500 K daylight white Luminous flux of light 900 lm
-
-
-
long-range LED floodlight: 10 W LED for illuminating the surroundings: 2.5 W
-
0 °C to +30 °C
Polycarbonate
LED emergency light, Wall holder, Charging cable, orange floodlight cover
NiMH 4.8 V 8500 mAh
Main light: 3 h Secondary light: 12 h Blink light: 24 h
approx. 150 m (> 1 Lux)
IP40
Class II
93120 grey, similar to RAL7035
<div></div>



# TIME SWITCHES



## Save energy by programming clocks.

The Chronolux series timers are designed to meet a variety of programming requirements. They allow you to programme fixed schedules, with the main aim being to save energy.

B.E.G. offers a wide range of clocks: analogue, daily, weekly, annual, digital and astronomical clocks, which make installation and programming as easy as possible thanks to their LCD displays. Changing the switching times or adding new times is child's play, and it is even possible to copy the settings from one day of the week to another. Additional functions, such as holiday planning or automatic time changeover(winter-summer-winter), enable optimal programming of the time switches.

The latest models can be set up using a free app with NFC. They do not need to be connected to the mains. The settings can be checked on the modern LCD screen. Despite the screen, the timers have a very low energy consumption of only 0.2 W, which guarantees a power reserve of 10 years.



Digital time switches



TS-DW1



TS-DW-2-NFC

Technical Data

Product information	<ul style="list-style-type: none"><li>Digital time switch with week program for installation in switch cabinets</li><li>1 channel</li><li>Switching capacity 16 A</li></ul>
Voltage	230 V AC 50 / 60 Hz
Power consumption	approx. 0.7 W
Power back-up (at 20 °C)	approx. 6 years
Ambient temperature	-10 °C to +50 °C
Housing	self-extinguishing thermoplastic
Display elements	High resolution LC display
Connections and wires	Screw terminals (pull-up type terminals)
Switching power	16 A / 250 V at cos φ = 1 max. inrush current I <sub>p</sub> (20ms) = 30 A
Type of contact	contact gap < 3 mm (μ-contact), dry Changeover contact
Outputs	–
Degree of protection	IP20
Protection class	Class II
Item number	92656

Comprehensive product information



Product information	<ul style="list-style-type: none"><li>Digital time switch with week program for installation in switch cabinets</li><li>1 channel</li><li>Switching capacity 16 A per channel</li></ul>
Voltage	230 V AC 50 / 60 Hz
Power consumption	0.2 – 1 W
Power back-up (at 20 °C)	approx. 10 years
Ambient temperature	-30 °C to +55 °C
Housing	self-extinguishing thermoplastic
Display elements	–
Connections and wires	–
Switching power	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current I <sub>p</sub> (20 ms) = 50 A
Type of contact	μ-contact, Changeover contact, contact gap < 3 mm
Outputs	1
Degree of protection	IP20
Protection class	Class II
Item number	93152



TS-DW-3-NFC

Product information	<ul style="list-style-type: none"><li>Digital time switch with week program for installation in switch cabinets</li><li>2 channels</li><li>Switching capacity 16 A per channel</li></ul>
Voltage	230 V AC 50 / 60 Hz
Power consumption	0.2 – 1 W
Power back-up (at 20 °C)	approx. 10 years
Ambient temperature	-30 °C to +55 °C
Housing	self-extinguishing thermoplastic
Display elements	–
Connections and wires	–
Switching power	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current I <sub>p</sub> (20 ms) = 50 A
Type of contact	μ-contact, Changeover contact, contact gap < 3 mm
Outputs	2
Degree of protection	IP20
Protection class	Class II
Item number	93153



TS-ASTRO1

Product information	<ul style="list-style-type: none"><li>Digital ASTRO time switch for installation in branches</li><li>1 channel</li><li>60 memory locations</li></ul>
Voltage	230 V AC 50 / 60 Hz
Power consumption	–
Power back-up (at 20 °C)	approx. 6 years
Ambient temperature	-10 °C to +50 °C
Housing	self-extinguishing thermoplastic
Display elements	High resolution LC display
Connections and wires	Screw terminals (pull-up type terminals)
Switching power	16 A / 250 V at cos φ = 1 max. inrush current I <sub>p</sub> (20ms) = 165 A 2000 W max. Resistive loads
Type of contact	1x contact gap < 3 mm (μ-contact), NO contact
Outputs	–
Degree of protection	–
Protection class	Class II
Item number	92669



TS-ASTRO-2-NFC

Product information	<ul style="list-style-type: none"><li>Digital ASTRO time switch for installation in branches</li><li>1 channel</li><li>56 memory locations</li></ul>
Voltage	230 V AC 50 / 60 Hz
Power consumption	0.2 – 1 W
Power back-up (at 20 °C)	approx. 10 years
Ambient temperature	-30 °C to +55 °C
Housing	self-extinguishing thermoplastic
Display elements	–
Connections and wires	–
Switching power	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current I <sub>p</sub> (20 ms) = 50 A
Type of contact	μ-contact, Changeover contact, contact gap < 3 mm
Outputs	1
Degree of protection	IP20
Protection class	Class II
Item number	93142 grey



Digital time switches



Digital time switches



TS-ASTRO-3-NFC



TS-ASTRO-4-BLE



TS-ASTRO-5-BLE






TS-DY1





TS-DY2

Technical Data

Product information	<ul style="list-style-type: none"><li>Digital ASTRO time switch for installation in branches</li><li>2 channels</li><li>56 memory locations</li></ul>	<ul style="list-style-type: none"><li>Digital ASTRO time switch for installation in branches</li><li>1 channel</li><li>Daily and weekly program</li></ul>
Voltage	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz
Power consumption	0.2 – 1 W	0.3 – 1 W
Power back-up (at 20 °C)	approx. 10 years	approx. 10 years
Ambient temperature	-30 °C to +55 °C	-30 °C to +55 °C
Housing	self-extinguishing thermoplastic	self-extinguishing thermoplastic
Display elements	–	–
Connections and wires	–	–
Switching power	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current I <sub>p</sub> (20 ms) = 50 A	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current I <sub>p</sub> (20 ms) = 50 A
Type of contact	μ-contact, Changeover contact, contact gap < 3 mm	μ-contact, Changeover contact, contact gap < 3 mm
Outputs	2	1
Degree of protection	IP20	IP20
Protection class	Class II	Class II
Item number	93143 grey	93161 grey
Comprehensive product information		

<ul style="list-style-type: none"><li>Digital ASTRO time switch for installation in branches</li><li>2 channels</li><li>Daily and weekly program</li></ul>
230 V AC 50 / 60 Hz
0.3 – 1 W
approx. 10 years
-30 °C to +55 °C
self-extinguishing thermoplastic
–
–
3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current I <sub>p</sub> (20 ms) = 50 A
μ-contact, Changeover contact, contact gap < 3 mm
2
IP20
Class II
93162 grey


<ul style="list-style-type: none"><li>Digital time switch with year program for installation in switch cabinets</li><li>1 channel</li><li>Compact 36 mm wide housing</li></ul>
230 V AC 50 / 60 Hz
approx. 1.5 W
approx. 6 years
-10 °C to +55 °C
self-extinguishing thermoplastic
High resolution LC display
Screw terminals (pull-up type terminals)
16 A / 250 V at cos φ = 1 max. inrush current I <sub>p</sub> (20ms) = 50 A 2000 W max. Resistive loads
contact gap < 3 mm (μ-contact), Changeover contact
–
IP20
Class II
92674


<ul style="list-style-type: none"><li>Digital time switch with year program for installation in switch cabinets</li><li>4 channels</li><li>Switching capacity 16 A</li></ul>
230 V AC 50 / 60 Hz
approx. 2 W
approx. 6 years
-10 °C to +55 °C
self-extinguishing thermoplastic
High resolution LC display
Screw terminals (pull-up type terminals)
10 A / 250 V at cos φ = 1 max. inrush current I <sub>p</sub> (20ms) = 50 A
contact gap < 3 mm (μ-contact), Changeover contact
–
IP20
Class II
92675


Digital time switches

Mechanical time switches



TS-AD1



TS-AD2







TS-AD3



TS-AD4

Technical Data

Product information	<ul style="list-style-type: none"><li>■ Analogue time switch for installation in switch cabinets</li><li>■ Slim format 18 mm</li><li>■ Daily program</li></ul>	<ul style="list-style-type: none"><li>■ Analogue time switch for installation in switch cabinets</li><li>■ Slim format 18 mm</li><li>■ Daily program</li></ul>
Voltage	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz
Power consumption	0.4 W	0.4 W
Power back-up (at 20 °C)	-	≥ 70 h
Ambient temperature	-5 °C to +50 °C	-5 °C to +50 °C
Housing	self-extinguishing thermoplastic	self-extinguishing thermoplastic
Connections and wires	pull-up type terminals	pull-up type terminals
Switching power	16 A / 250 V at cos φ = 1 2000 W max. Resistive loads	16 A / 250 V at cos φ = 1 2000 W max. Resistive loads
Type of contact	contact gap < 3 mm (μ-contact), dry NO contact	contact gap < 3 mm (μ-contact), NO contact
Degree of protection	IP20	IP20
Protection class	Class II	Class II
Item number	92676	92677
Comprehensive product information		

<ul style="list-style-type: none"><li>■ Analogue time switch for installation in switch cabinets</li><li>■ Slim format 54 mm</li><li>■ Daily program</li></ul>	<ul style="list-style-type: none"><li>■ Analogue time switch for installation in switch cabinets</li><li>■ Slim format 54 mm</li><li>■ Daily program</li></ul>
230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz
0.4 W	0.4 W
-	≥ 70 h
-5 °C to +50 °C	-5 °C to +50 °C
self-extinguishing thermoplastic	self-extinguishing thermoplastic
Screw terminals	Screw terminals
16 A / 250 V at cos φ = 1 2000 W max. Resistive loads	16 A / 250 V at cos φ = 1 2000 W max. Resistive loads
contact gap < 3 mm (μ-contact), dry Changeover contact	contact gap < 3 mm (μ-contact), dry Changeover contact
IP20	IP20
Class II	Class II
92678	92680
	

Mechanical time switches



# ACCESSORIES



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## **Perfectly tailored to every need: the customisation options offered by B.E.G. products.**

Whether ceiling presence detectors, outdoor motion detectors or wall detectors: B.E.G. offers all components for modern building automation – individually or as a complete solution. A particular advantage is their flexible adaptability. With the numerous items from the B.E.G. range of accessories, the basic products can be easily supplemented and thus developed into a tailor-made solution.

## **More flexibility thanks to clever accessories:**

From sturdy wall brackets and discreet cover slats to decorative designer frames, you can customise your B.E.G. devices to suit the installation situation and your personal preferences. For example, motion and presence detectors can be optimised in their detection range with different lens variants, while special mounting kits facilitate easy integration into different environments. For outdoor use, B.E.G. offers custom-fit pole mounts that ensure long-term stability thanks to their weather protection device made of stainless steel. The range of accessories also includes RC suppression elements to suppress electrical interference in the lighting system, ball protection baskets to protect B.E.G. motion and presence detectors, and numerous other products.

## **More individuality through matching colours**

In addition to accessories, B.E.G. also offers special customisation options in terms of colour selection. After all, a pure white presence detector does not always suit the local conditions. In modern hotel lobbies or industrial-style offices, for example, dark-coloured devices often blend in better with the overall look. That is why B.E.G. offers many products and accessories, such as sensors, cover rings, surface-mounted frames, bases and boxes, in several colour options:

The wide range of B.E.G. accessories and colour options guarantees our customers maximum flexibility, ensuring that every installation impresses with the desired functionality and appearance.



Overview of accessories

OUTDOOR accessories			10880 RC-Arc extinction kit	92467 Wire basket BSK (Ø 164 x 143 mm)	93220 Pole holder with weather protection, stainless steel	93221 Wall holder with weather protection, anthracite	93222 Wall holder with weather protection, white	97004 Outside corner socket RC-plus next, white	97024 Outside corner socket RC-plus next, black	97014 Outside corner socket RC-plus next, brown	97043 Outside corner socket RC-plus next, silver	97005 Inside corner socket RC-plus next, white	32697 Blinds RC-plus next, white	32698 Blinds LC-plus 280, transparent	32699 Cover slat set LC-Click-N, transparent	91080 Surface-mounted frame LC, white	91081 Surface-mounted frame LC, black	33232 Blinds LC-Mini, transparent
Aleum / Aleum Glow																		
93132	Aleum Glow WB	X	X															
93134	Aleum Glow AD	X	X															
93555	Aleum WB BMS2 DALI-2		X															
93556	Aleum AD BMS2 DALI-2		X															
RC-plus next N																		
93321	RC-plus next N 130, white	X	X	X	X	X	X					X	X					
93323	RC-plus next N 130, black	X	X	X	X	X	X		X									
93324	RC-plus next N 130, brown	X	X	X	X	X	X			X								
93331	RC-plus next N 230, white	X	X	X	X	X	X	X				X	X					
93333	RC-plus next N 230, black	X	X	X	X	X	X		X									
93334	RC-plus next N 230, brown	X	X	X	X	X	X			X								
93346	RC-plus next N 230, silver	X	X	X	X	X	X				X							
93341	RC-plus next N 280, white	X	X	X	X	X	X	X				X	X					
93343	RC-plus next N 280, black	X	X	X	X	X	X		X									
93344	RC-plus next N 280, brown	X	X	X	X	X	X			X								
93527	RC-plus next N 230 KNXs-DX, white		X	X	X	X	X	X				X	X					
93528	RC-plus next N 230 KNXs-DX, black		X	X	X	X	X		X									
LC-plus																		
91008	LC-plus 280, white	X	X	X	X	X								X				
91028	LC-plus 280, black	X	X	X	X	X								X				
91018	LC-plus 280, brown	X	X	X	X	X								X				
91048	LC-plus 280, silver	X	X	X	X	X								X				
93308	LC-plus-DALI-SYS 280, white		X	X	X	X								X				
LC Click-N																		
91001	LC-Click-N 140, white	X	X	X	X	X									X			
91021	LC-Click-N 140, black	X	X	X	X	X									X			
91002	LC-Click-N 200, white	X	X	X	X	X									X			
91022	LC-Click-N 200, black	X	X	X	X	X									X			
91012	LC-Click-N 200, brown	X	X	X	X	X									X			
LC-Click																		
91101	LC-Click 140, white	X	X	X	X	X										X		
91121	LC-Click 140, black	X	X	X	X	X											X	
91102	LC-Click 200, white	X	X	X	X	X										X		
91122	LC-Click 200, black	X	X	X	X	X											X	
LC Mini																		
93541	LC-Mini 120 BMS DALI-2		X															X

Overview of accessories

INDOOR accessories		10882 Mini-RC-Arc extinction kit	94344 Frame IP20 Indoor 140-L, oyster white mat	94343 Frame IP20 Indoor 140-L, pure white mat	94342 Frame IP20 Indoor 140-L, pure white glossy	94341 Frame IP20 Indoor 140-L, anthracite mat	38946 Central plate Indoor 140 45x45mm, pure white glossy	39075 Central plate Indoor 140 45x45mm, oyster white glossy	94346 Central plate Indoor 140 55x55mm, pure white glossy	94345 Central plate Indoor 140 63x63mm, pure white glossy	92630 Frame IP20 Indoor 180, pure white mat	92631 Frame IP20 Indoor 180, traffic white mat	92632 Frame IP20 Indoor 180, oyster white mat	92633 Frame IP20 Indoor 180, silver mat	92634 Frame IP20 Indoor 180, anthracite mat	92139 Frame IP54 Indoor 180, pure white mat	92141 Surface mounting socket Indoor 180, pure white mat	38947 Central plate Indoor 180 45x45mm, traffic white mat	39076 Central plate Indoor 180 45x45mm, oyster white mat	39222 Central plate Indoor 180 55x55mm, pure white glossy	39223 Central plate Indoor 180 55x55mm, traffic white glossy	39241 Central plate Indoor 180 55x55mm, signal white glossy	39242 Central plate Indoor 180 55x55mm, oval, traffic white glossy	35126 Central plate Indoor 180 56x56mm, pure white glossy	35127 Central plate Indoor 180 56x56mm, oval, pure white glossy	33233 Blind Indoor 180, white mat	92018 Protective cap Indoor 180, pure white glossy	92294 Blind set Indoor 180, transparent	92655 SCT1	
		Indoor 180N																												
93260	Indoor180N-M-1C, traffic white mat	X																												
93262	Indoor180N-M-1C, traffic white glossy	X																												
		Indoor HF																												
93261	IndoorHF-M-1C, traffic white mat	X																												
93263	IndoorHF-M-1C, traffic white glossy	X																												
		Indoor 180																												
92623	Indoor 180-R with frame	X																									X	X	X	
92665	Indoor 180-R without frame	X									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
92136	Indoor 180-M-2C with frame	X																									X	X	X	
92661	Indoor 180-M-2C without frame	X									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
92650	Indoor 180-TR with frame																										X	X	X	X
92668	Indoor 180-TR without frame										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
92621	Indoor 180-R-11-48V-3A with frame																										X	X	X	
92666	Indoor 180-R-11-48V-3A without frame										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
92667	Indoor 180-R-11-48V-RR without frame										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
92135	Indoor 180-S with frame																										X	X	X	
92660	Indoor 180-S without frame										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
93540	Indoor 180-BMS DALI-2 without frame										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
93524	Indoor 180-KNXs-ST without frame										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
93525	Indoor 180-KNXs-DX without frame										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		Indoor 140 L																												
94328	Indoor 140-L with frame	X																												
94325	Indoor 140-L without frame	X	X	X	X	X	X	X	X	X																				



Overview of accessories

MOTION accessories																	
		10880 RC-Arc extinction kit															
		92199 Wire basket BSK (Ø 200 x 90 mm)															
		93179 Pendulum mounting set PD2/3/4 SM, white mat															
		93085 Cover ring PD2/PD3-FC, deep black	X														
		93086 Cover ring PD3N-FC, deep black															
		93087 Cover ring PD3N-FM, deep black															
		92991 Square design frame PD3N-FC, white mat															
		37367 Blinds PD2N/PD3N															
		93738 Lens PD4N-1C. Cover ring, black mat															
		93737 Lens PD4N-1C. Cover ring, traffic white mat															
		93736 Lens PD4N-1C. Cover ring, anthracite mat															
		93314 SM socle mounting set IP65 PD4N, white															
		92313 Blinds PD4															
		93256 Mounting set BL2-SM															
		93251 Mounting set BL2-FM															
		93183 Mounting set BL4-SM															
		93194 Mounting set BL4-FM															
		92958 Cover IP65 for sensor head PD9															
		92235 Cover ring PD9 Ø 36 mm, anthracite glossy															
		92238 Cover ring PD9 Ø 36 mm, white glossy															
		92237 Cover ring PD9 Ø 36 mm, silver glossy															
		92327 Cover ring PD9 Ø 45 mm, white mat															
		92346 Cover ring PD9 Ø 45 mm, silver mat															
		92993 Square design frame PD9-FC, pure white mat															
PD3																	
92197	PD3-1C-FC	X	X		X												
92194	PD3-1C-SM	X	X	X													
92191	PD3-1C-SM, black	X	X	X													
PD3N																	
92196	PD3N-1C-FC	X	X			X		X	X								
92186	PD3N-1C-FM	X	X				X		X								
92190	PD3N-1C-SM	X	X	X					X								
92192	PD3N-1C-SM, black	X	X	X					X								
92184	PD3N-1C-FC Micro	X	X			X		X	X								
92219	PD3N-1C-SM Micro	X	X	X					X								
92219	PD3N-1C-SM Micro, black	X	X	X					X								
92576	PD3N-1C-NO-PF-FC	X	X			X		X	X								
92198	PD3N-2C-FC	X	X			X		X	X								
92188	PD3N-2C-FM	X	X				X		X								
PD4N (motion detector)																	
92149	PD4N-1C-FC	X	X						X	X	X		X				
92151	PD4N-1C-FM	X	X						X	X	X	X	X				
92144	PD4N-1C-SM	X	X	X									X				
PD4N-C																	
92274	PD4N-1C-C-FC	X	X										X				
92270	PD4N-1C-C-SM	X	X	X									X				
PD9 (motion detector)																	
92902	PD9-1C-FC	X													X	X	X
92985	PD9-1C-12-48V-FC	X													X	X	X
HF																	
94401	HF-MD1	X															
94402	HF-MD2	X	X	X													
BL																	
93317	BL2-FC	X	X	X*									X	X			
93288	BL4-FC	X	X	X*										X	X		
93284	BL4-C-FC	X	X	X*										X	X		

X\* with SM accessories

Overview of accessories

PRESENCE accessories		10880 RC-Arc extinction kit	92199 Wire basket BSK (Ø 200 x 90 mm)	93085 Cover ring PD2/PD3-FC, deep black	92161 SM socket IP54 for PD2- / PD4-SM	92260 Blinds PD2-SM/-FM	36635 Blinds PD2- FC	93179 Pendulum mounting set PD2/3/4 SM, white mat	92441 Wall holder PD4-SM	92992 Square design frame PD4-FC	92375 Surface mounting socket IP65 for PD4-SM IP20	92376 Surface mounting socket IP65 PD4-SM IP54	92386 Socket IP54 PD4-TRIO-SM	92313 Blinds PD4
PD2														
92565	PD2-M-1C-FC	X	X	X		X								
92555	PD2-M-1C-FM	X	X			X								
92550	PD2-M-1C-SM	X	X		X	X		X	X					
92165	PD2-M-2C-FC	X	X	X			X							
92155	PD2-M-2C-FM	X	X			X								
92150	PD2-M-2C-SM	X	X		X	X		X	X					
92164	PD2-M-2C-11-48V-3A-FC		X	X			X							
92154	PD2-M-2C-11-48V-3A-SM		X		X	X		X	X					
92306	PD2-M-2C-11-48V-RR-FC		X	X			X							
92305	PD2-M-2C-11-48V-RR-SM		X		X	X		X	X					
92166	PD2-S-FC		X	X			X							
92156	PD2-S-FM		X			X								
92152	PD2-S-SM		X		X	X		X	X					
PD4														
92585	PD4-M-1C-FC	X	X							X				X
92575	PD4-M-1C-FM	X	X											X
92580	PD4-M-1C-SM	X	X		X			X	X		X			X
92148	PD4-M-2C-FC	X	X							X				X
92255	PD4-M-2C-FM	X	X											X
92140	PD4-M-2C-SM	X	X		X			X	X			X		X
92760	PD4-M-2C-DS-FC	X	X											X
92761	PD4-M-2C-DS-SM	X	X					X	X				X	X
92745	PD4-M-3C-TRIO-FC	X	X											X
92740	PD4-M-3C-TRIO-SM	X	X					X	X				X	X
92254	PD4-S-FC		X							X				X
92163	PD4-S-FM		X											X
92142	PD4-S-SM		X		X			X	X			X		X
93484	PD4-M-HCL2-FC DALI-2		X											X
93485	PD4-M-HCL2-SM DALI-2		X					X	X				X	X
92591	PD4-M-DAA4G-FC		X											X
92743	PD4-M-DAA4G-SM		X					X	X				X	X
92721	PD4-S-DAA4G-FC		X											X
92759	PD4-S-DAA4G-SM		X					X	X					X

Overview of accessories

PRESENCE accessories														
		10880 RC-Arc extinction kit	92199 Wire basket BSK (Ø 200 x 90 mm)	93085 Cover ring PD2/PD3-FC, deep black	92161 SM socket IP54 for PD2- / PD4-SM	92260 Blinds PD2-SM/-FM	36635 Blinds PD2- FC	93179 Pendulum mounting set PD2/3/4 SM, white mat	92441 Wall holder PD4-SM	92992 Square design frame PD4-FC	92375 Surface mounting socket IP65 for PD4-SM IP20	92376 Surface mounting socket IP65 PD4-SM IP54	92386 Socket IP54 PD4-TRIO-SM	92313 Blinds PD4
PD4-C														
92586	PD4-M-1C-C-FC	X	X							X				X
92587	PD4-M-1C-C-SM	X	X					X	X					X
92143	PD4-M-2C-C-FC	X	X							X				X
92440	PD4-M-2C-C-SM	X	X					X	X			X		X
92480	PD4-M-1C-C-PS-FC	X	X							X				X
92485	PD4-M-1C-C-PS-SM	X	X					X	X					X
92746	PD4-M-TRIO-C-3P-FC		X											X
92747	PD4-M-TRIO-C-3P-SM		X					X	X				X	X
92444	PD4-S-C-FC		X							X				X
92442	PD4-S-C-SM		X					X	X			X		X
PD4-GH														
92245	PD4-M-1C-GH-SM	X	X		X			X			X			X
92265	PD4-S-GH-SM		X					X				X		X
93469	PD4-M-DACO-GH-SM DALI-2		X					X						X
93479	PD4-CAS2-GH		X					X						X
93478	PD4-CAS2-GH DALI-2		X					X						X
93518	PD4-KNXs-GH-DX-SM		X					X						X
93545	PD4-BMS-GH-SM DALI-2		X					X						X
93345	PD4-DALI-SYS-GH-SM		X					X						X
93845	PD4-DALI-LINK-GH-SM		X					X						X
BL-PLUS														
93405	BL2-PLUS	X	X											
93404	BL4-PLUS	X	X											

Overview of accessories

PRESENCE

accessories

		10880 RC-Arc extinction kit																					
		92199 Wire basket BSK (Ø 200 x 90 mm)																					
		93179 Pendulum mounting set PD2/3/4 AP, white																					
		93700 Wall holder PD2N/4N Typ A, white mat																					
		93701 Wall holder PD2N/4N Typ A, anthracite mat																					
		93702 Wall holder PD2N/4N Typ A, traffic white mat																					
		93703 Wall holder PD2N/4N Typ A, black mat																					
		37367 Blinds PD2N/PD3N																					
		93454 SM socle mounting set IP54 PD2N H, white mat																					
		93781 SM socle mounting set IP54 PD2N H, anthracite mat																					
		93782 SM socle mounting set IP54 PD2N H, traffic white mat																					
		93783 SM socle mounting set IP54 PD2N H, black mat																					
		93771 Cover ring PD2N-FC, anthracite mat																					
		93772 Cover ring PD2N-FC, traffic white mat																					
		93773 Cover ring PD2N-FC, black mat																					
		93089 Adapter ring PD2N-FM																					
		93760 Cover ring PD2N-FM, white mat																					
		93761 Cover ring PD2N-FM, anthracite mat																					
		93762 Cover ring PD2N-FM, traffic white mat																					
		93763 Cover ring PD2N-FM, black mat																					
		93307 SM socle mounting set IP54 PD2N-/PD4N-FM, white mat																					
		93751 SM socle mounting set IP54 PD2N-/PD4N-FM, anthracite mat																					
		93752 SM socle mounting set IP54 PD2N-/PD4N-FM, traffic white mat																					
		93753 SM socle mounting set IP54 PD2N-/PD4N-FM, black mat																					
		93465 SM socle mounting set IP54 PD4N H, white mat																					
		93786 SM socle mounting set IP54 PD4N H, anthracite mat																					
		93787 SM socle mounting set IP54 PD4N H, traffic white mat																					
		93788 SM socle mounting set IP54 PD4N H, black mat																					
		93314 SM socle mounting set IP65 PD4N, white																					
		93073 Corridor lens PD4N type A, cover ring, white mat																					
		93741 Corridor lens PD4N type A, cover ring, anthracite mat																					
		93742 Corridor lens PD4N type A, cover ring, traffic white mat																					
		93743 Corridor lens PD4N type A, cover ring, black mat																					
		93731 Lens PD4N, cover ring, anthracite mat																					
		93732 Lens PD4N, cover ring, traffic white mat																					
		93733 Lens PD4N, cover ring, black mat																					
PD2N																							
94055	PD2N-M-1C-LED-FC	X	X					X															
92119	PD2N-LTMS-RR-FC		X					X															
93240	PD2N-S		X	X*	X	X**	X**	X**	X	X	X	X	X	X	X								
93452	PD2N-M-DACO DALI-2		X	X*	X	X**	X**	X**	X	X	X	X	X	X	X								
93455	PD2N-M-DACO-1C DALI-2		X	X*	X	X**	X**	X**	X	X	X	X	X	X	X								
93453	PD2N-M-DACO-DUO DALI-2		X	X*	X	X**	X**	X**	X	X	X	X	X	X	X								
93477	PD2N-CAS		X	X*	X	X**	X**	X**	X	X	X	X	X	X	X								
93476	PD2N-CAS DALI-2		X	X*	X	X**	X**	X**	X	X	X	X	X	X	X								
93580	PD2N-RF-KNXs-DX-FC		X	X*	X	X**	X**	X**	X	X	X	X	X	X	X								
93533	PD2N-KNXs-BA-FC		X						X	X	X												
93534	PD2N-KNXs-BA-FM		X	X*	X	X**	X**	X**	X				X	X	X								
93510	PD2N-KNXs-ST-FC		X						X	X	X												
93511	PD2N-KNXs-ST-FM		X	X*	X	X**	X**	X**	X				X	X	X								
93512	PD2N-KNXs-DX-FC		X						X	X	X												
93513	PD2N-KNXs-DX-FM		X	X*	X	X**	X**	X**	X				X	X	X								
93530	PD2N-KNXs-OCCULOG-DX-FC		X						X	X	X												
93531	PD2N-KNXs-OCCULOG-DX-FM		X	X*	X	X**	X**	X**	X				X	X	X								
93543	PD2N-BMS-FC DALI-2		X						X	X	X												
93544	PD2N-BMS-FM DALI-2		X	X*	X	X**	X**	X**	X				X	X	X								
93369	PD2N-DALI-SYS-FC		X						X	X	X												
93368	PD2N-DALI-SYS-FM		X	X*	X	X**	X**	X**	X				X	X	X								
PD4N (presence detector)																							
92709	PD4N-LTMS-RR-FC		X																				
93241	PD4N-S		X	X*	X	X**	X**	X**							X	X**	X**						
93460	PD4N-M-DACO DALI-2		X	X*	X	X**	X**	X**							X	X**	X**						
93463	PD4N-M-DACO-1C DALI-2		X	X*	X	X**	X**	X**							X	X**	X**						
93461	PD4N-M-DACO-DUO DALI-2		X	X*	X	X**	X**	X**							X	X**	X**						
93474	PD4N-CAS		X	X*	X	X**	X**	X**							X	X**	X**						
93473	PD4N-CAS DALI-2		X	X*	X	X**	X**	X**							X	X**	X**						
93535	PD4N-KNXs-BA-FC		X												X	X							
93536	PD4N-KNXs-BA-FM		X	X*	X	X**	X**	X**							X	X							
93514	PD4N-KNXs-ST-FC		X																				
93515	PD4N-KNXs-ST-FM		X	X*	X	X**	X**	X**							X	X							
93516	PD4N-KNXs-DX-FC		X												X	X							
93517	PD4N-KNXs-DX-FM		X	X*	X	X**	X**	X**							X	X							
93546	PD4N-BMS DALI-2		X	X*	X	X**	X**	X**							X	X							
93340	PD4N-DALI-SYS		X	X*	X	X**	X**	X**							X	X							
93377	PD4N DALI LINK		X	X*	X	X**	X**	X**							X	X							

X\* with SM accessories  
X\*\* with corresponding lens or cover ring in respective colour



Overview of accessories

MINI-PRESENCE accessories		10880 RC-Arc extinction kit	92958 Cover IP65 for Sensor head PD9	92235 Cover ring PD9 Ø 36 mm, anthracite glossy	92238 Cover ring PD9 Ø 36mm, white glossy	92237 Cover ring PD9 Ø 36 mm, silver Glossy	92327 Cover ring PD9 Ø 45mm, white mat	92346 Cover ring PD9 Ø 45 mm, silver Matt	92993 Square design frame PD9-FC, pure white mat	32702 Blinds Mini-Presence detector PD9	92833 In-wall mounting set / PD11, white	92537 Cover ring PD11 (52mm), black glossy	92692 Cover ring PD11, white mat	92994 Square design frame PD11-FC	38522 Cover ring PD11 with Blinds, black	92121 Surface mounting socket PD11	93775 Mounting set PICO, white	93778 Mounting set PICO, black	93777 Mounting set PICO, traffic white	93776 Mounting set PICO, anthracite	37731 Blinds PICO
PDSN																					
93508	PD5N-LAMELLA-KNXs-DX WB																				
93509	PD5N-LAMELLA-KNXs-DX BB																				
93354	PD5N-LAMELLA-BMS2 WB DALI-2																				
93358	PD5N-LAMELLA-BMS2 BB DALI-2																				
PD9 (presence detector)																					
92900	PD9-M-1C-FC	X	X	X	X	X	X	X	X												
92976	PD9-M-2C-FC	X	X	X	X	X	X	X	X												
92905	PD9-S-FC		X	X	X	X	X	X	X												
92912	PD9-M-1C-SDB-IP65-FC	X																			
92915	PD9-S-SDS-FC																				
93470	PD9-M-DACO-FC DALI-2		X	X	X	X	X	X	X												
93520	PD9-KNXs-DX-FC		X	X	X	X	X	X	X												
PD11																					
92583	PD11-M-1C-FLAT-FC	X									X	X	X	X							
92594	PD11-LTMS-RR-FLAT-FC										X	X	X	X							
92593	PD11-S-FLAT-FC										X	X	X	X							
93459	PD11-M-DACO-FLAT-FC DALI-2											X	X	X							
93522	PD11-KNXs-FLAT-ST-FC										X	X	X	X		X					
93523	PD11-KNXs-FLAT-DX-FC										X	X	X	X		X					
93542	PD11-BMS-FLAT-FC DALI-2										X	X	X	X		X					
92731	PD11-DALI-SYS-FLAT-FC										X	X	X	X		X					
93068	PD11-DALI-LINK-FLAT-FC										X	X	X	X		X					
PICO																					
93159	PICO-N-M-1C-FC	X																			X
92700	PICO-S-FC																				X
93539	PICO-KNXs-ST-FC																X	X	X	X	X
93529	PICO-KNXs-DX-FC																X	X	X	X	X
93547	PICO-BMS DALI-2																X	X	X	X	X
93909	PICO-DALI-SYS-FC																X	X	X	X	X
93908	PICO-DALI-LINK-FC																X	X	X	X	X

Overview of accessories

LUXOMATIC® accessories		93014 Protection ring AL8	37849 Sealing ring IP54 HF-L1	94113 Vienna	94101 Oslo	91325 Corner socket ALC-ES	91305 Corner socket ALC-ES
Interior lighting							
94453	L1		X				
94440	HF-L1		X				
94451	L7						
94450	HF-L7						
94446	L8						
94445	HF-L8						
94448	L11						
94447	HF-L11						
94456	L8-LEDN						
94455	L8-LEDN-HF						
94458	L9-LEDN						
94457	L9-LEDN-HF						
93621	AL8-25-300-LED-3C	X					
93141	AL8-25-300-LED-3C-HF	X					
93631	AL8-25-300-LEDN-HF	X					
93615	AL12-25-300-LED-3C						
93145	AL12-25-300-LED-3C-HF						
93633	AL93-20-300-LED-3C						
93632	AL93-20-300-LED-3C-HF						
Outdoor lighting							
91400	AL1 130						
91301	ALC-B-360 SLU, white			X	X		X
91321	ALC-B-360 SLU, black			X	X	X	

CHRONOLUX® accessories		92683 TS-ACC-FE	92684 TS-ACC-DS1	92685 TS-ACC-DS2
CHRONOLUX®				
92676	TS-AD1			
92677	TS-AD2			
92678	TS-AD3			
92680	TS-AD4			
92669	TS-ASTRO1-1C-NO			
93142	TS-ASTRO2-NFC-1C/1W			
93143	TS-ASTRO3-NFC-2W			
93161	TS-ASTRO-4-BLE			
93162	TS-ASTRO-5-BLE			
92656	TS-DW1			
93152	TS-DW2-NFC			
93153	TS-DW3-NFC			
92674	TS-DY1	X	X	X
92675	TS-DY2	X	X	X

PD2N housing



Category 1		Category 3															
	93240 PD2N-S	PD2N-S/DACO/DACO-1C/DACO-DUO/CAS/CAS DALI-2/RF-KNXs-DX Product															
	93452 PD2N-M-DACO DALI-2	93454 SM socle mounting set IP54 PD2N H, white mat															
	93455 PD2N-M-DACO-1C DALI-2	93781 SM socle mounting set IP54 PD2N H, anthracite mat															
	93453 PD2N-M-DACO-DUO DALI-2	93782 SM socle mounting set IP54 PD2N H, traffic white mat															
	93477 PD2N-CAS	93783 SM socle mounting set IP54 PD2N H, black mat															
	93476 PD2N-CAS DALI-2	93771 Cover ring PD2N-FC, anthracite mat															
	93580 PD2N-RF-KNXs-DX	93772 Cover ring PD2N-FC, traffic white mat															
		93773 Cover ring PD2N-FC, black mat															
		93089 Adapter ring PD2N-FM															
		93760 Cover ring PD2N-FM, white mat															
	FC, white mat	X															
	FC, anthracite mat	X					X										
	FC, traffic white mat	X						X									
	FC, black mat	X							X								
	FM, white mat	X							X	X							
	FM, anthracite mat	X							X		X						
	FM, traffic white mat	X							X		X						
	FM, black mat	X							X			X					
	SM IP54, white mat	X	X														
	SM IP54, anthracite mat	X		X													
	SM IP54, traffic white mat	X			X												
	SM IP54, black mat	X				X											
	Wall holder SM IP54, white mat	X						X	X			X					
	Wall holder SM IP54, anthracite mat	X						X		X			X				
	Wall holder SM IP54, traffic white mat	X						X			X			X			
	Wall holder SM IP54, black mat	X						X			X				X		
	Pendulum SM IP54, white mat	X	X														X

The images are provided as examples. The colours vary depending on your colour selection. To design the finished product from **category 2**, you must select a base unit from **category 1** and select the corresponding accessories from **category 3**. The base unit and accessories required are marked with an **X** in each row for the desired finished unit. If you have any questions, please feel free to visit our website or contact us.

PD2N housing



Category 1		Category 3															
	93533 PD2N-KNXs-BA-FC	PD2N-KNXs/BMS DALI-2/DALI-SYS-FC Product															
	93534 PD2N-KNXs-BA-FM	PD2N-KNXs/BMS DALI-2/DALI-SYS-FM Product															
	93510 PD2N-KNXs-ST-FC	93307 SM socle mounting set IP54 PD2N-/PD4N-FM, white mat															
	93511 PD2N-KNXs-ST-FM	93751 SM socle mounting set IP54 PD2N-/PD4N-FM, anthracite mat															
	93512 PD2N-KNXs-DX-FC	93752 SM socle mounting set IP54 PD2N-/PD4N-FM, traffic white mat															
	93513 PD2N-KNXs-DX-FM	93753 SM socle mounting set IP54 PD2N-/PD4N-FM, black mat															
	93530 PD2N-KNXs-OCCULOG-DX-FC	93771 Cover ring PD2N-FC, anthracite mat															
	93531 PD2N-KNXs-OCCULOG-DX-FM	93772 Cover ring PD2N-FC, traffic white mat															
	93543 PD2N-BMS-FC DALI-2	93773 Cover ring PD2N-FC, black mat															
	93544 PD2N-BMS-FM DALI-2	93760 Cover ring PD2N-FM, white mat															
	93369 PD2N-DALI-SYS-FC	93761 Cover ring PD2N-FM, anthracite mat															
	93368 PD2N-DALI-SYS-FM	93762 Cover ring PD2N-FM, traffic white mat															
		93763 Cover ring PD2N-FM, black mat															
		93700 Wall holder PD2N/4N Typ A, white mat															
		93701 Wall holder PD2N/4N Typ A, anthracite mat															
		93702 Wall holder PD2N/4N Typ A, traffic white mat															
		93703 Wall holder PD2N/4N Typ A, black mat															
		93179 Pendulum mounting set PD2/3/4 SM, white mat															

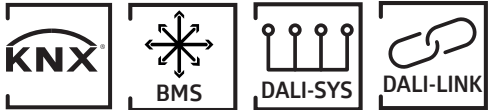


PD4N housing



Category 1	Category 3																
	PD4N-S/DACO/DACO-1C/DACO-DUO/CAS/CAS DALI-2 Product																
	93241 PD4N-S																
	93460 PD4N-M-DACO DALI-2																
	93463 PD4N-M-DACO-1C DALI-2																
	93461 PD4N-M-DACO-DUO DALI-2																
	93474 PD4N-CAS																
	93473 PD4N-CAS DALI-2																
Category 2	FC, white mat	X															
	FC, anthracite mat	X					X										
	FC, traffic white mat	X						X									
	FC, black mat	X							X								
	FC Corridor, white mat	X								X							
	FC Corridor, anthracite mat	X									X						
	FC Corridor, traffic white mat	X										X					
	FC Corridor, black mat	X											X				
	FM, white mat	X					X										
	FM, anthracite mat	X						X									
	FM, traffic white mat	X							X								
	FM, black mat	X								X							
	FM Corridor, white mat	X								X							
	FM Corridor, black mat	X									X						
	FM Corridor, traffic white mat	X										X					
	FM Corridor, black mat	X											X				
	SM IP54, white mat	X	X														
	SM IP54, anthracite mat	X		X			X										
	SM IP54, traffic white mat	X			X			X									
	SM IP54, black mat	X				X			X								
	SM IP65, white	X															X
	SM IP54 Corridor, white mat	X	X							X							
	SM IP54 Corridor, anthracite mat	X		X							X						
	SM IP54 Corridor, traffic white mat	X			X							X					
	SM IP54 corridor, black mat	X				X							X				
	SM IP65 Corridor, white	X								X							X
	Wall holder SM IP54, white mat	X									X						
	Wall holder SM IP54, anthracite mat	X					X					X					
	Wall holder SM IP54, traffic white mat	X						X						X			
	Wall holder SM IP54, black mat	X							X							X	
	Wall holder SM IP54 Corridor, white mat	X							X				X				
	Wall holder SM IP54 Corridor, anthracite mat	X								X				X			
	Wall holder SM IP54 Corridor, traffic white mat	X									X				X		
	Wall holder SM IP54 Corridor, black mat	X										X				X	
	Pendulum SM IP54, white mat	X	X														X
	Pendulum SM IP54 Corridor, white mat	X	X														X


PD4N housing



Category 1	Category 3																
	PD4N-BMS DALI-2/DALI-SYS/DALI-LINK Product																
	93535 PD4N-KNXs-BA-FC																
	93536 PD4N-KNXs-BA-FM																
	93514 PD4N-KNXs-ST-FC																
	93515 PD4N-KNXs-ST-FM																
	93516 PD4N-KNXs-DX-FC																
	93517 PD4N-KNXs-DX-FM																
	93546 PD4N-BMS DALI-2																
	93340 PD4N-DALI-SYS																
	93377 PD4N-DALI-LINK																
Category 2	FC, white mat	X															
	FC, anthracite mat	X															
	FC, traffic white mat	X															
	FC, black mat	X															
	FC Corridor, white mat	X															
	FC Corridor, anthracite mat	X															
	FC Corridor, traffic white mat	X															
	FC Corridor, black mat	X															
	FM, white mat	X															
	FM, anthracite mat	X															
	FM, traffic white mat	X															
	FM, black mat	X															
	FM Corridor, white mat	X															
	FM Corridor, anthracite mat	X															
	FM Corridor, traffic white mat	X															
	FM Corridor, black mat	X															
	SM IP54, white mat	X	X														
	SM IP54, anthracite mat	X		X													
	SM IP54, traffic white mat	X			X												
	SM IP54, black mat	X				X											
	SM IP65, white	X															X
	SM IP54 Corridor, white mat	X	X														
	SM IP54 Corridor, anthracite mat	X		X													
	SM IP54 Corridor, traffic white mat	X			X												
	SM IP54 corridor, black mat	X				X											
	SM IP65 Corridor, white	X															X
	Wall holder SM IP54, white mat	X															
	Wall holder SM IP54, anthracite mat	X															
	Wall holder SM IP54, traffic white mat	X															
	Wall holder SM IP54, black mat	X															
	Wall holder SM IP54 Corridor, white mat	X															
	Wall holder SM IP54 Corridor, anthracite mat	X															
	Wall holder SM IP54 Corridor, traffic white mat	X															
	Wall holder SM IP54 Corridor, black mat	X															
	Pendulum SM IP54, white mat	X	X														X
	Pendulum SM IP54 Corridor, white mat	X	X														X

PD4N housing

1C

Category 1	Category 3			
	PD4N Standard Product	PD4N-C Standard Product	93736 Lens PD4N-1C, cover ring, anthracite mat	93737 Lens PD4N-1C, cover ring, traffic white mat
	92149 PD4N-1C-FC			
	92151 PD4N-1C-FM			
	92144 PD4N-1C-SM			
	92274 PD4N-1C-C-FC			
	92270 PD4N-1C-C-SM			
Category 2				93738 Lens PD4N-1C, cover ring, black mat
				93179 Pendulum mounting set PD2/3/4 AP, white mat
	FC, white mat	X		
	FC, anthracite mat	X	X	
	FC, traffic white mat	X		X
	FC, black mat	X		X
	FC Corridor, white mat		X	
	FM, white mat	X		
	FM, anthracite mat	X	X	
	FM, traffic white mat	X		X
	FM, black mat	X		X
	SM IP44, white mat	X		
	SM IP44 Corridor, white mat		X	
	Pendulum SM IP54, white mat	X		X
	Pendulum SM IP54 Corridor, white mat		X	X



Feel comfortable in your building

THE HOUSING CONCEPT OF THE FUTURE

The PD2N and PD4N housings for DALI, KNX and Casambi



A device with many possibilities

- Maximum flexibility in installation options
- Installation in suspended ceilings (ceiling installation) thanks to pre-assembled spring clamp with integrated strain relief
- Installation in flush-mounted/fire protection box thanks to easily removable spring clamp
- Surface mounting thanks to easily removable spring clamp and accessories (SM base)
- Cavity wall mounting thanks to easily removable spring clamp and accessories (wall bracket)
- Solid wall mounting thanks to easily removable spring clamp and accessories (wall bracket and wall bracket surface-mounted base)
- Removable design ring with PIR lens for variability in terms of: colour/PIR lens type (e.g. corridor lens as accessory)
- Additional accessories for colour matching are available as options (design rings, bases, brackets):  
Pure white (RAL 9010), Traffic white (RAL 9016), Anthracite (RAL 7016), Deep black (RAL 9005)
- Splash protection (IPX4) for surface and wall mounting
- Internal and external light sensors for better light control quality



# Blinds presence & motion detectors

Cover slats, also known as blinds, ensure that the detection range of the detectors can be adjusted to suit local conditions. Sources of interference or unwanted areas can thus be excluded from motion detection. Blinds are included in the scope of delivery. They can be reordered if additional ones are required.

## Ceiling presence and motion detectors

- for PD2-SM+FM  
Item number 92260

- for PD2-FC  
Item number 36635

- for PD3N + PD2N  
Item number 37367

- for PD4 + PD4N  
Item number 92313

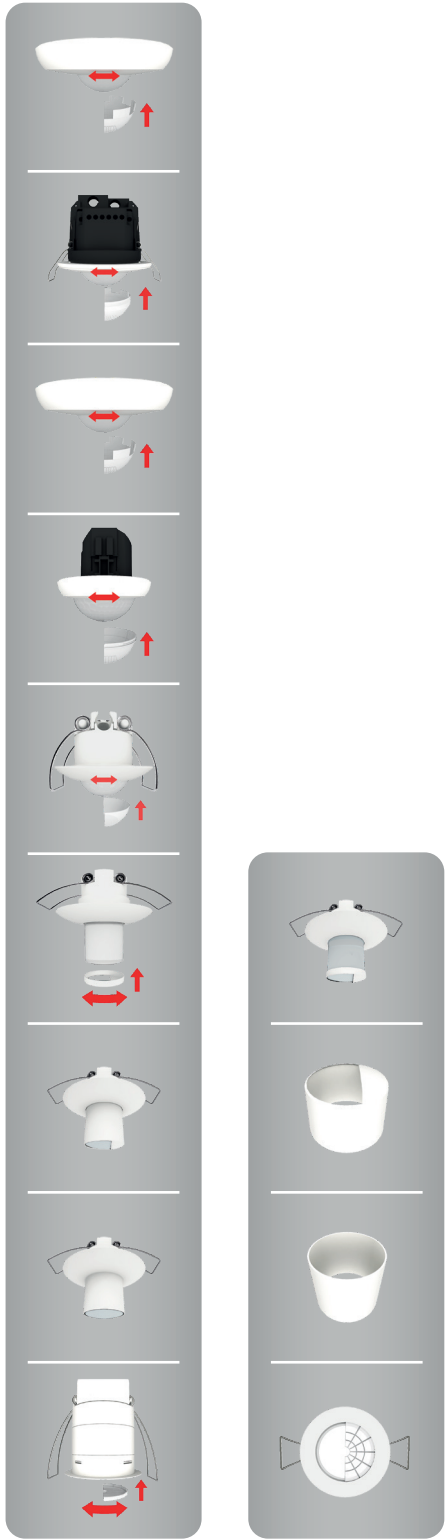
- for PD9 mini presence detector  
Item number 32702

- for PD9-GH for high altitudes  
Item number 33207

- for PD9-GH, half  
Item number 92952

- for PD9-GH, all covered  
Item number 92953

- for PD11-FC  
Item number 38522



! Cover to prevent lateral light incidence and 180° restriction of motion detection

! Cover to prevent light from entering from the side

# Blinds for outdoor and indoor use

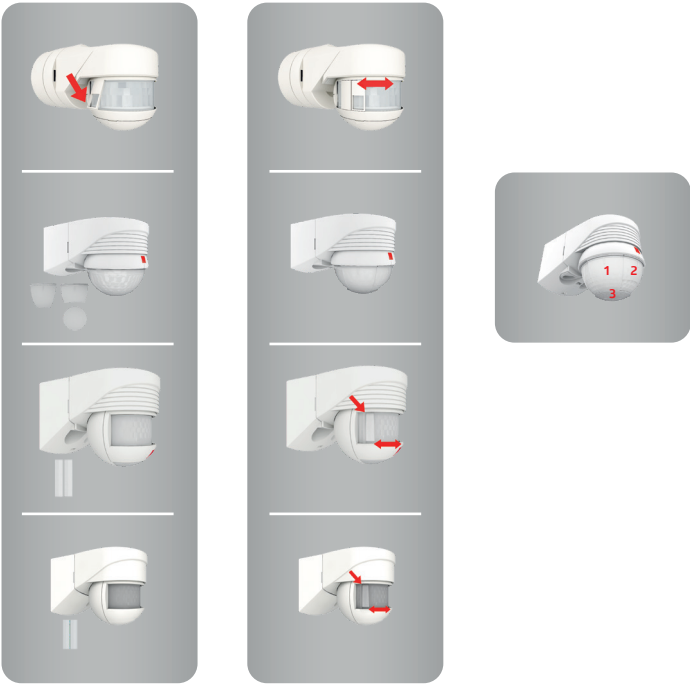
## Outdoors

- For RC-plus next N  
Item number 32697

- For LC-plus 280  
Item number 32698

- For LC-Click-N  
Item number 32699

- LC-Mini  
Item number 33232

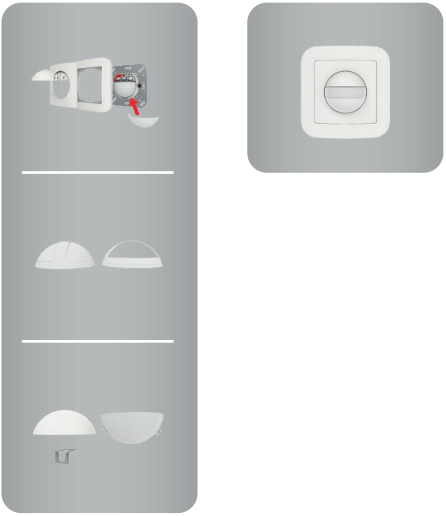


## Indoor

- For Indoor 180  
Item number 33233

- For Indoor 180  
Item number 92294

- Protective cap for Indoor 180  
Item number 92018



! To disable detection for a needs-based adjustment of the sensors detection range to local conditions

! Securing the potentiometer cover against unwanted removal

Remote controls

	93067 BLE-IR Adapter	92100 Wall mount IR-RC	92000 IR-RC	92649 IR-RC-LD	92090 IR-RC-Mini	92095 IR-LC-plus	92093 IR-LC-Mini	93110 IR-PD3/4N-1CE	92115 IR-PD3N-2C	92159 IR-PD-Mini	92077 IR-PD-1CE	92475 IR-PD-2C	92851 IR-PD4-TRIO-3C	92201 IR-PD9	92479 IR-PD-LD	92185 IR-LTMS	93055 IR-BL	93406 IR-BL-PLUS	92112 IR-PD-DALI-Mini	92122 IR-PD-DALIE	92652 IR-PD-DALI-LD	93374 IR-HCL2-Mini	93111 IR-PD-BMS2-Mini	92123 IR-PD-KNX	93398 IR-PD-KNX-Mini	92368 IR-CdS-T	92396 CdS-FP	
OUTDOOR																												
RC-plus next N 130,230,280	X	X	X	X	X																				X	X		
RC-plus next N 230 KNXs-DX	X	X																										
LC-plus 280	X	X				X	X																					
LC-plus-DALI-SYS 280																			X									
INDOOR																												
IndoorHF-M-1C	X																											
Indoor180N-M-1C	X																											
Indoor180-M-2C	X	X								X		X																
Indoor 180 KNXs-ST	X	X																							X			
Indoor 180 KNXs-DX	X	X																							X	X		
MOTION																												
PD3N-1C	X	X						X		X																		
PD3N-1C Micro	X	X						X		X																		
PD3N-1C-NO-PF	X	X						X		X																		
PD3N-2C	X	X							X	X																		
PD4N-1C	X	X						X		X																		
PD4N-1C-C	X	X						X		X																		
BL2	X	X															X											
BL4	X	X															X											
BL4-C	X	X															X											
PRESENCE																												
PD2-M-1C	X	X								X	X																	
PD2-M-2C	X	X								X		X																
PD2-M-2C-11-48V	X	X								X		X																
PD2N-M-1C LED	X									X																		
PD2N-LTMS-RR	X	X														X												
PD2N-M-DACO	X	X																	X	X	X							
PD2N-M-DACO-1C	X	X																	X	X	X							
PD2N-M-DACO-DUO	X	X																	X	X	X							
PD2N-DALI-SYS																			X									
PD2N-KNXs-ST	X	X																							X			
PD2N-KNXs-DX	X	X																							X	X		
PD2N-KNXs-OCULOG-DX	X	X																							X	X		
PD2N-RF-KNXs-DX	X	X																							X	X		
PD4-M-1C	X	X								X	X																	
PD4-M-2C	X	X								X		X																
PD4-M-2C-DS	X	X								X	X																	
PD4-M-3C-TRIO	X	X											X															
PD4-M-1C-K	X	X								X	X																	
PD4-M-2C-K	X	X								X		X																
PD4-M-1C-K-PS	X	X								X	X																	
PD4-M-TRIO-K-3P	X	X								X	X																	
PD4-M-HCL2	X																						X					
PD4-M-DAA4G	X																											
PD4-M-1C-GH	X	X													X													
PD4-M-DACO-GH	X	X																	X	X	X							
PD4-DALI-SYS-GH																			X									
PD4-DALI-LINK-GH																			X									
PD4N-LTMS-RR	X	X														X												
PD4N-M-DACO	X	X																	X	X	X							
PD4N-M-DACO-1C	X	X																	X	X	X							
PD4N-M-DACO-DUO	X	X																	X	X	X							
PD4N-DALI-SYS																			X									
PD4N DALILINK																			X									
PD4N-KNXs-ST	X	X																							X			
PD4N-KNXs-DX	X	X																							X	X		
BL2-PLUS	X	X															X											
BL4-PLUS	X	X															X											
MINI PRESENCE																												
PD5N-LAMELLA-BMS2 DALI-2																						X	X					
PD5N-LAMELLA-KNXs-DX	X	X																							X	X		
PD9-M-1C	X	X								X	X																	
PD9-M-1C-SDB-IP65	X	X								X			X															
PD9-M-2C	X	X								X		X																
PD9-M-DACO	X	X																	X	X	X							
PD9-KNXs-DX	X	X																							X	X		
PD11-M-1C-FLAT	X	X								X	X																	
PD11-LTMS-RR-FLAT	X																											
PD11-M-DACO-FLAT	X	X																	X	X	X							
PD11-DALI-SYS-FLAT																			X									
PD11-DALI-LINK-FLAT																			X									
PD11-KNXs-FLAT-ST	X	X																							X			
PD11-KNXs-FLAT-DX	X	X																							X	X		
PICO-N-M-1C	X	X								X	X																	
PICO-KNXs-ST	X	X																							X			
PICO-KNXs-DX	X	X																							X	X		
CdS																												
CdS-T	X	X																									X	
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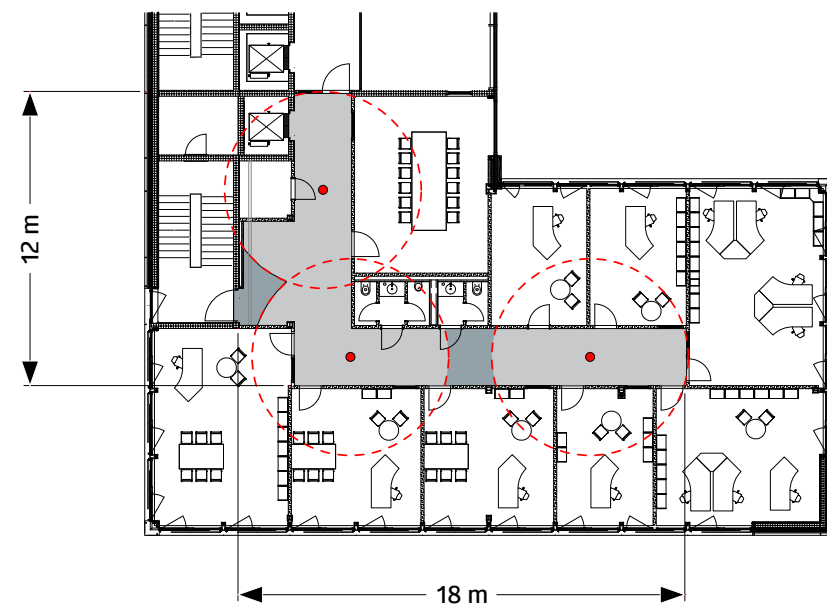




150

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## Planning example corridor with PD4-M



Detector for  
● Lighting group 1

Mounting height = 2.50 m

### Application description:

Automatic lighting control with presence detectors is to be implemented in a corridor on an office floor.

### Note:

The detectors should be positioned in such a way that all access zones are safely covered with frontally detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of

movement of the persons to be detected (frontally to the detector or transverse to the detector).

### Object data:

Type: Corridor without daylight

Corridor dimensions:

L 18.00 x W 12.00 m

Ceiling height: 2.50 m (clear height)

### Lighting:

1 luminaire group with electronic ballasts

### Product listing:

1 pc. LUXOMAT® PD4 master device

2 pcs. LUXOMAT® PD4 master device

### Master device setting:

Follow-up time R1: > 5 min

Switch-on threshold R1: 50 - 150 Lux

Follow-up time R2: optional

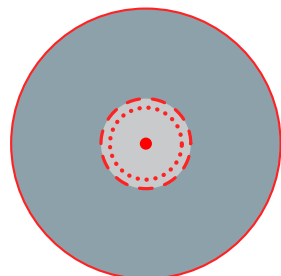
If required: Orientation light

### Operation mode:

Master/slave operation in the corridor area (see wiring diagram PD4-M-1C)

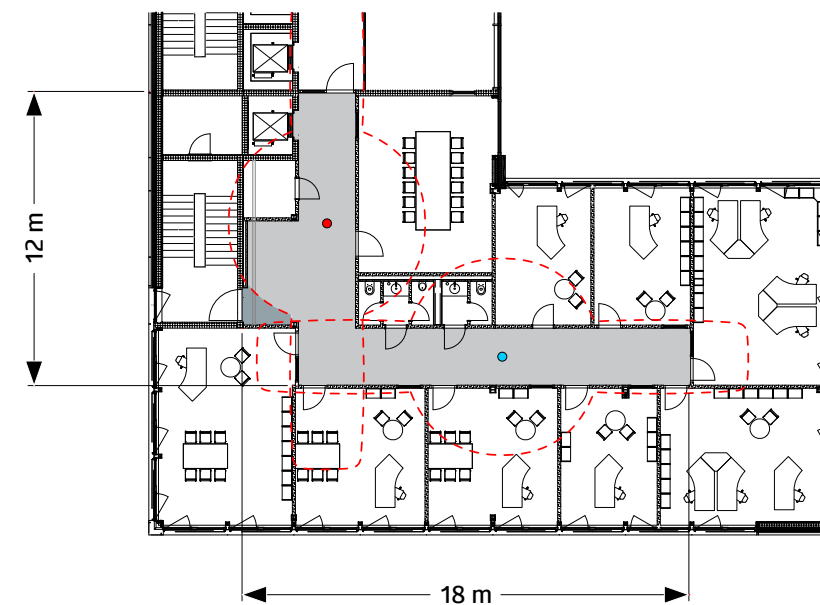
The master device must always be mounted in the darkest area of the corridor.

### Detection range Type "PD4"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6 m  
for a mounting height of 2.50 m

## Planning example corridor with PD4-M-C



Detector for  
● Lighting group 1  
● Lighting group 2

Mounting height = 2.50 m

### Application description:

In a corridor on an office floor, an optically inconspicuous, automatic lighting control system should be implemented.

### Note:

The detectors should be positioned in such a way that all access zones are safely covered with frontally detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of

movement of the persons to be detected (frontally to the detector or transverse to the detector).

### Object data:

Type: Corridor without daylight

Corridor dimensions:

L 18.00 x W 12.00 m

Ceiling height: 2.50 m (clear height)

### Lighting:

2 luminaire groups with electronic ballasts

### Product listing:

2 pcs. LUXOMAT® PD4 master -C device

### Master device setting:

Follow-up time R1: > 5 min

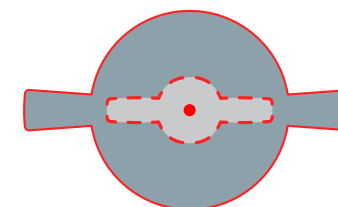
Switch-on threshold R1: 50 - 150 Lux

Follow-up time R2: optional

### Operation mode:

Both detectors in master mode (see wiring diagram PD4-M-2C-C)

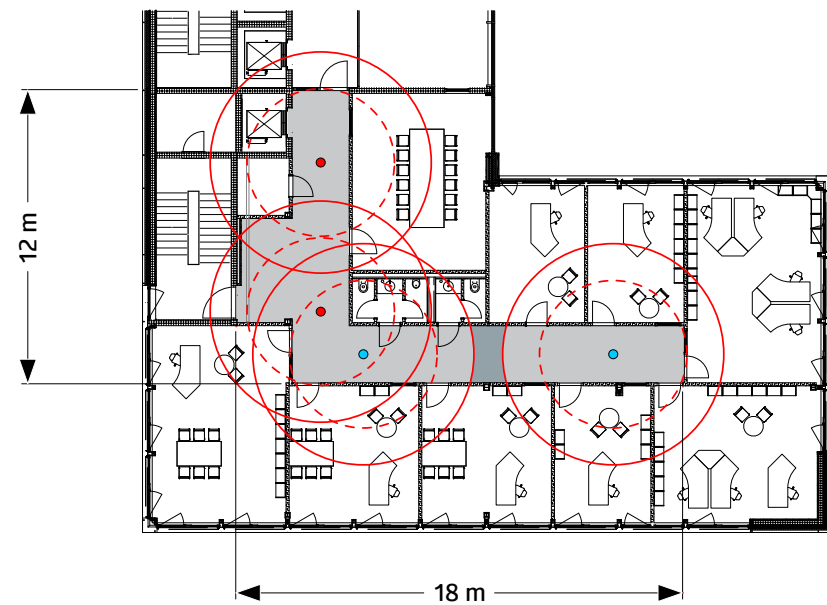
### Detection range Type "PD4-C"



— across Ø 40 m  
- - - frontally Ø 20 m  
for a mounting height of 2.50 m



# Planning example corridor with PD11



Detector for  
● Lighting group 1  
● Lighting group 2

Mounting height = 2.50 m

## Application description:

Automatic lighting control with design presence detectors is to be implemented in a corridor on an office floor.

## Note:

The PD11 design presence detector blends almost invisibly into the ceiling with only 0.85mm visible height. The detectors should be positioned in such a way that all access zones are safely covered with frontal detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of movement of the persons to be detected (frontally to the detector or transverse to the detector).

## Object data:

Type: Corridor without daylight  
Corridor dimensions:  
L 18.00 x W 12.00 m  
Ceiling height: 2.50 m (clear height)

## Lighting:

2 luminaire groups with electronic ballasts

## Product listing:

2 pcs. LUXOMAT® PD11 master device  
2 pcs. LUXOMAT® PD11 slave device

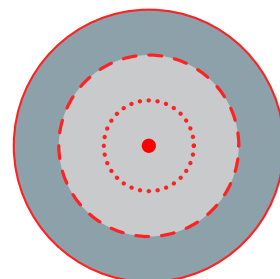
## Master device setting:

Follow-up time R1: > 5 min  
Switch-on threshold R1: 300 Lux or individually with remote control

## Operation mode:

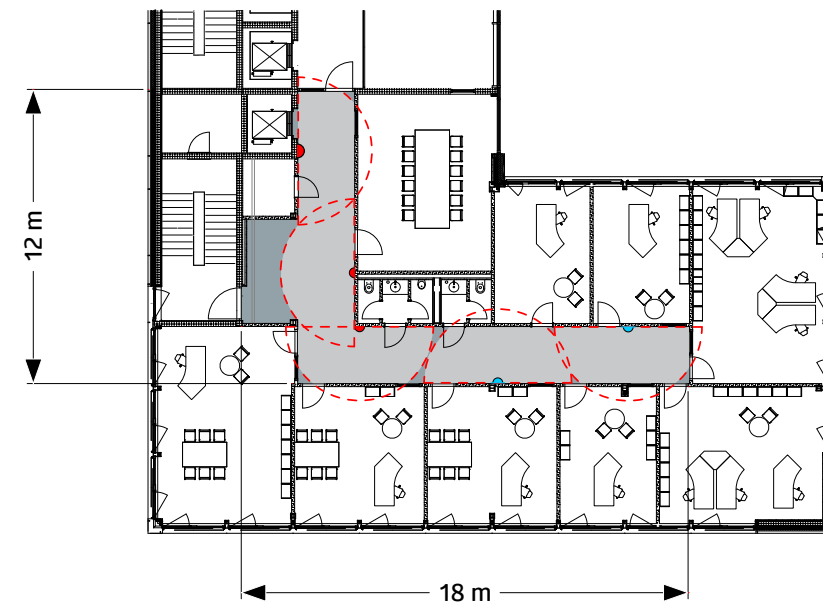
Master/slave operation in the corridor area (see wiring diagram PD11-M-1C-FLAT)  
The master device must always be mounted in the darkest area of the corridor.

## Detection range Type "PD11"



— across Ø 9 m  
- - - frontally Ø 6 m  
..... seated activity Ø 3 m  
for a mounting height of 2.50 m

# Planning example corridor with Indoor 180



Detector for  
● Lighting group 1  
● Lighting group 2

Mounting height = 1.10 m

## Application description:

Automatic lighting control is to be implemented in a corridor on an office floor. As this is an old building, wall presence detectors are desired.

## Note:

The Indoor 180 wall presence detectors in combination with intermediate frames are suitable for all common flush-mounted switch brands.

The detectors should be positioned in such a way that all access zones are safely covered with frontally detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of movement of the persons to be detected (frontally to the detector or transverse to the detector).

## Object data:

Type: Corridor without daylight  
Corridor dimensions:  
L 18.00 x W 12.00 m  
Ceiling height: 2.50 m (clear height)

## Lighting:

2 luminaire groups with electronic ballasts

## Product listing:

2 pcs. LUXOMAT® Indoor 180 master device  
3 pcs. LUXOMAT® Indoor 180 slave device

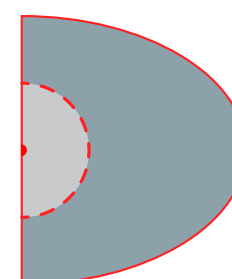
## Master device setting:

Follow-up time R1: > 5 min  
Switch-on threshold R1: 300 Lux or individually with remote control  
Follow-up time R2: optional

## Operation mode:

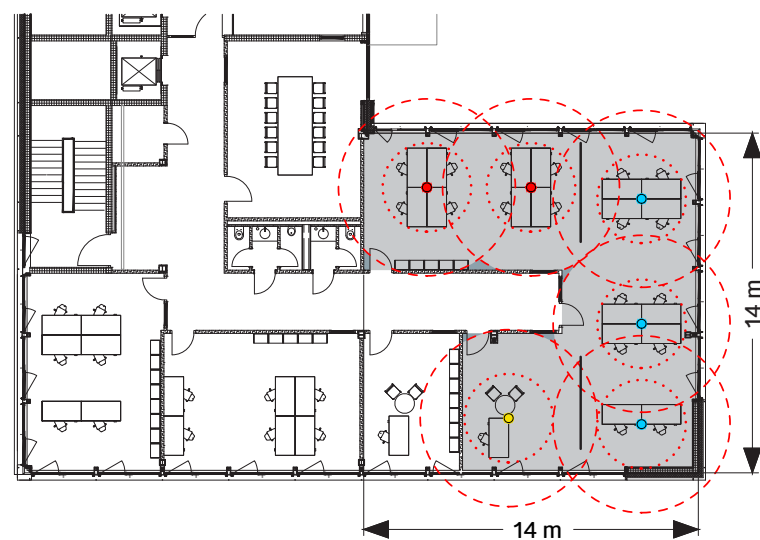
Master/slave operation in the corridor area (see wiring diagram Indoor 180-M-2C)  
The master device must always be mounted in the darkest area of the corridor.

## Detection range Type "Indoor 180"



— across Ø 10 m  
- - - frontally Ø 3 m  
for a mounting height of 1.10 m - 2.20 m

# Planning example open-plan office with PD11



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3  
 Mounting height = 3.00 m

## Application description:

In an open-plan office with areas separated by partition walls, an optically inconspicuous, automatic lighting control system with presence detectors is to be implemented.

## Note:

The PD11 design presence detector blends almost invisibly into the ceiling with only 0.85mm visible height. The detectors should be positioned so that the "seated activity" detection zone covers the desk workstations.

## Object data:

Type: Open plan office with daylight  
 Room dimensions:  
 L 14.00 x B 14.00 m  
 Ceiling height: 3.00 m (clear height)

## Lighting:

3 luminaire groups with electronic ballasts

## Product listing:

3 pcs. LUXOMAT® PD11 master device  
 3 pcs. LUXOMAT® PD11 slave device

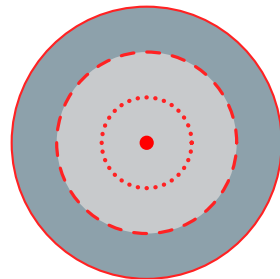
## Master device setting:

Follow-up time R1: > 5 min  
 Switch-on threshold R1: 500 Lux or individually with remote control

## Operation mode:

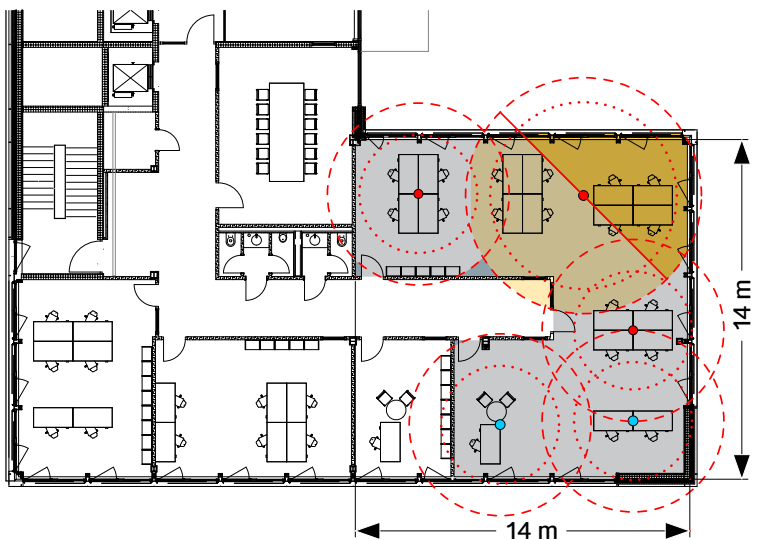
Master/slave operation at workstations (see wiring diagram PD11-M-1C-FLAT)  
 The master device must always be mounted at the darkest spot of the area illuminated by the group.

## Detection range Type "PD11"



— across Ø 9 m  
 - - - frontally Ø 6 m  
 ..... seated activity Ø 3 m  
 for a mounting height of 2.50 m

# Planning example open-plan office with PD2/PD4-DUO



■ Light sensor 1  
 ■ Light sensor 2  
 Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 Mounting height = 3.00 m

## Application description:

In an open-plan office with two lighting groups, automatic daylight-dependent lighting control with presence detectors is to be implemented.

The sunny side of the office with windows facing south/west and the shaded side with windows facing north should be controlled independently.

## Note:

The workstations at the south and west windows are combined in a luminaire group, as are the workstations at the north windows.

## Object data:

Type: Open plan office with daylight  
 Room dimensions:  
 L 14.00 x B 14.00 m  
 Ceiling height: 3.00 m (clear height)

## Lighting:

2 luminaire groups with electronic ballasts

## Product listing:

1 pcs. LUXOMAT® PD4Master DUO Device  
 1 pcs. LUXOMAT® PD2 master device  
 3 pcs. LUXOMAT® PD2 slave device

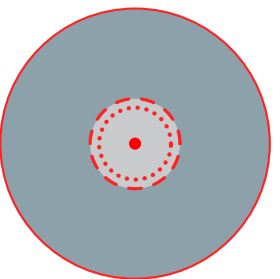
## Master device setting:

Follow-up time R1: > 5 min  
 Switch-on threshold R1: 500 Lux or individually with remote control  
 Follow-up time R2: optional

## Operation mode:

Master/slave operation at workstations (see wiring diagrams PD2-M-1C and PD4-M-2C-DUO)  
 The master device must always be mounted at the darkest spot.

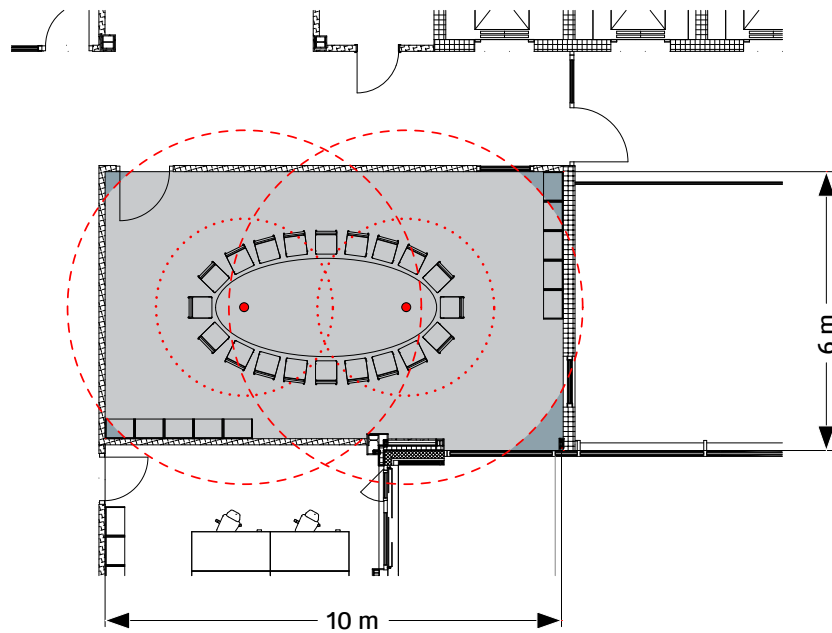
## Detection range Type "PD4"



— across Ø 24 m  
 - - - frontally Ø 8 m  
 ..... seated activity Ø 6 m  
 for a mounting height of 2.50 m



# Planning example conference room with PD11



Detector for  
● Lighting group 1

Mounting height = 3.00 m

## Application description:

In a conference room, the lighting should be controlled visually inconspicuously depending on presence and daylight. Despite the automatic control, it should be possible to influence the current switching status manually via a button or a remote control. The presence detectors are to be mounted on the ceiling.

## Note:

The PD11 design presence detector blends almost invisibly into the ceiling with only 0.85mm visible height. By installing two presence detectors, the entire conference table can be covered with the "seated activity" detection areas. Even small movements are reliably detected.

## Object data:

Type: Meeting room with daylight

Room dimensions:

L 10.00 x B 6.00 m

Ceiling height: 3.00 m (clear height)

## Lighting:

1 luminaire group with electronic ballasts

## Product listing:

1 pcs. LUXOMAT® PD11 master device

1 pcs. LUXOMAT® PD11 slave device

## Master device setting:

Follow-up time R1: mind. 5 min

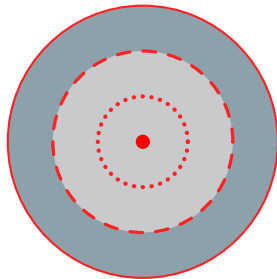
Switch-on threshold R1: 500 Lux

## Operation mode:

Master/slave circuit with optional push-button control (see wiring diagram PD11-M-1C-FLAT)

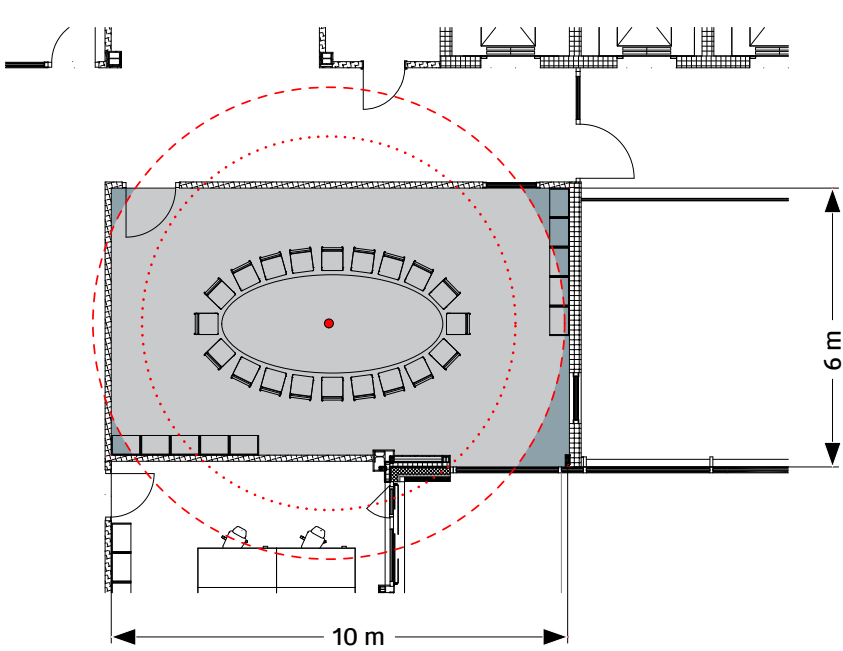
The master device must always be mounted at the darkest spot.

## Detection range Type "PD11"



— across Ø 9 m  
- - - frontally Ø 6 m  
..... seated activity Ø 3 m  
for a mounting height of 2.50 m

# Planning example conference room with PD4



Detector for  
● Lighting group 1

Mounting height = 3.00 m

## Application description:

In a conference room, the lighting is to be controlled according to presence and daylight. Despite the automatic control, it should be possible to influence the current switching status manually via a button or a remote control. The presence detectors are to be mounted on the ceiling.

## Note:

By mounting the PD4, the entire room can be covered with just one device.

## Object data:

Type: Meeting room with daylight

Room dimensions:

L 10.00 x B 6.00 m

Ceiling height: 3.00 m (clear height)

## Lighting:

1 luminaire group with electronic ballasts

## Product listing:

1 pcs. LUXOMAT® PD4 master device

## Master device setting:

Follow-up time R1: mind. 5 min

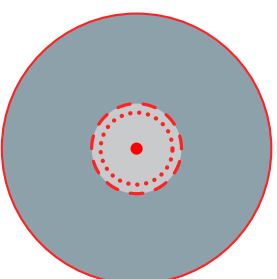
Switch-on threshold R1: 500 Lux

Follow-up time R2: optional

## Operation mode:

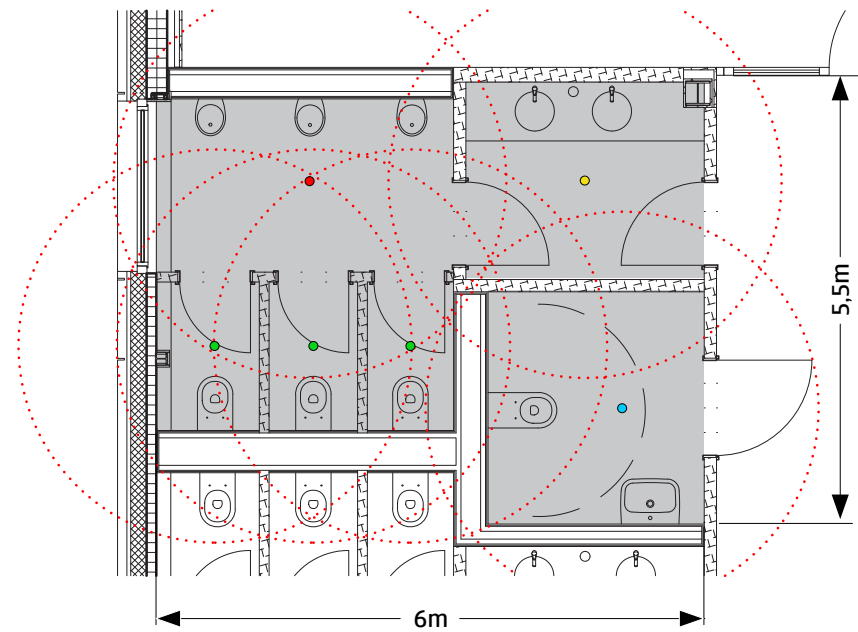
Master circuit with optional push-button control (see wiring diagram PD4-M-2C)

## Detection range Type "PD4"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6 m  
for a mounting height of 2.50 m

# Planning example lavatories with PD3N or PD9 (solid walls)



Detector for  
● Lighting group 1  
● Lighting group 2-4  
● Lighting group 5  
● Lighting group 6  
Mounting height = 3.00 m

## Application description:

In a lavatory with lockable WC cabins with solid walls, the light should be switched reliably and energy-efficiently.

## Note:

To cover all areas, the cabins must each be equipped with an presence detector.

## Object data:

Type: Lavatory  
Room dimensions:  
L 6.00 x B 5.50 m  
Ceiling height: 3.00 m (clear height)

## Lighting:

1 luminaire group with electronic ballasts per room/cabin

## Product listing:

6 pcs. LUXOMAT® PD3N or PD9 device

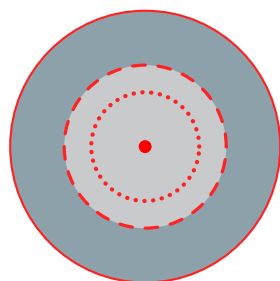
## Device setting:

Follow-up time: 10 min  
Switch-on threshold: Day (Symbol "Sun")

## Operation mode:

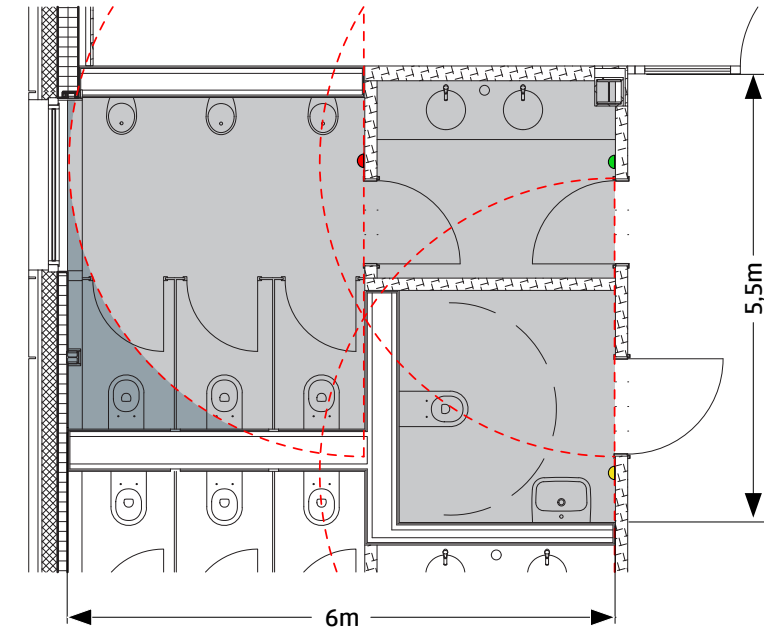
Standard operation (see wiring diagrams PD3N-1C and PD9-1C)

## Detection range Type "PD3N" or "PD9"



— across Ø 10 m  
- - - frontally Ø 6 m  
..... seated activity Ø 4 m  
for a mounting height of 2.50 m

# Planning example lavatories with Indoor 180 Micro



Detector for  
● Lighting group 1  
● Lighting group 2  
● Lighting group 3  
Mounting height = 1.10 m

## Application description:

In a lavatory with lockable cabins open to the top, the lighting is to be switched on and off efficiently.

## Note:

In addition to the motion sensor, the Indoor 180 Micro has a sound sensor so that the lighting remains switched on not only during movement, but also when there are noises.

## Object data:

Type: public lavatory without daylight  
Room dimensions:  
L 6.00 x B 5.50 m  
Ceiling height: 3.00 m (clear height)

## Lighting:

1 luminaire group with electronic ballasts per room

## Product listing:

3 pcs. LUXOMAT® Indoor 180-R device

## Device setting:

Follow-up time: 10 min  
Switch-on threshold: Day (Symbol "Sun")

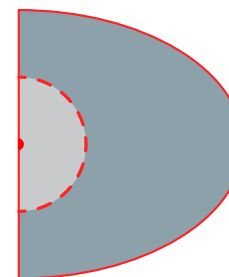
## Noise sensitivity:

The optimum sensitivity must be determined in a test.

## Operation mode:

Standard operation (with noise sensitivity); (see wiring diagram Indoor 180-R)

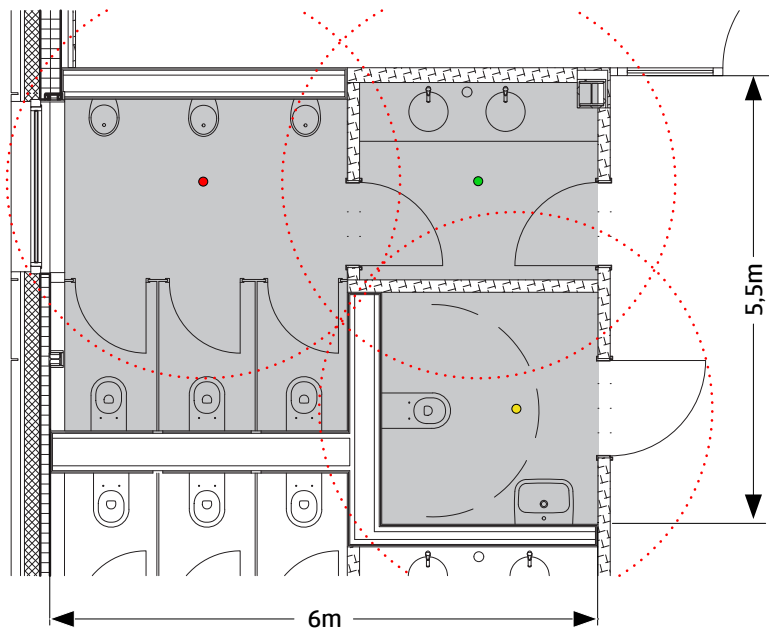
## Detection range Type "Indoor 180"



— across Ø 10 m  
- - - frontally Ø 3 m  
for a mounting height of 1.10 m - 2.20 m



# Planning example lavatory with PD3N Micro (semi-high walls)



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3  
 Mounting height = 3.00 m

## Application description:

In a lavatory with lockable cabins open to the top, the lighting is to be switched on and off efficiently. The motion detectors should be mounted on the ceiling.

## Note:

The PD3N Micro has a sound sensor in addition to the motion sensor, so the lighting stays on not only when you move, but also when you make noise.

## Object data:

Type: public lavatory without daylight  
 Room dimensions:  
 L 6.00 x B 5.50 m  
 Ceiling height: 3.00 m (clear height)

## Lighting:

1 luminaire group with electronic ballasts per room

## Product listing:

3 pcs. LUXOMAT® PD3N Micro devices

## Device setting:

Follow-up time R1: > 5 min  
 Switch-on threshold R1: 300 Lux or individually with remote control

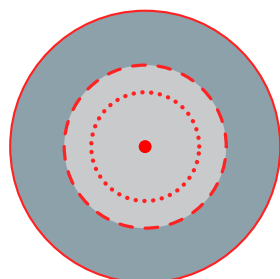
## Noise sensitivity:

The optimum sensitivity must be determined in a test.

## Operation mode:

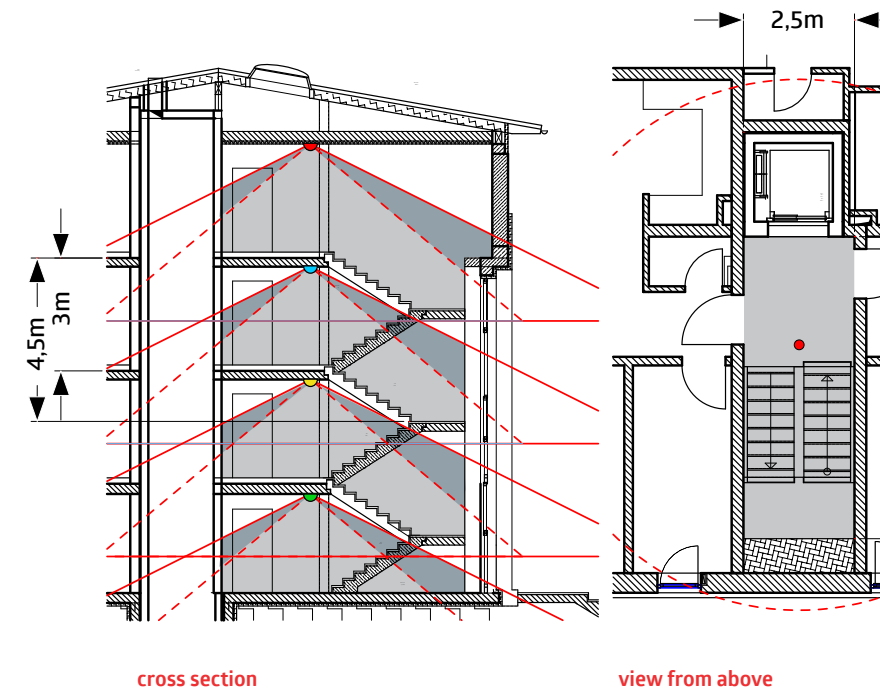
Standard mode (with noise sensitivity) (see wiring diagram PD3N-1C Micro)

## Detection range Type „PD3N“



— across Ø 10 m  
 - - - frontally Ø 6 m  
 ..... seated activity Ø 4 m  
 for a mounting height of 2.50 m

# Planning example staircase with PD2



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3  
 ● Lighting group 4  
 Mounting height = 3.00 m

## Application description:

In the stairwell of a multi-family house, four lighting groups (3 floors/1 basement floor) are to be controlled automatically by presence detectors. The devices should be mounted on the ceiling.

## Object data:

Type: Staircase with 3 floors with daylight and one basement floor without daylight  
 Staircase dimensions: L 6.50 x B 2.50 m  
 Ceiling height: 3.00 m (clear height)

## Lighting:

1 luminaire group with electronic ballasts per floor

## Product listing:

4 pcs. LUXOMAT® PD2 master device

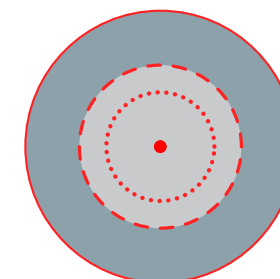
## Master device setting:

Group 1:  
 Follow-up time R1: 5 min  
 Switch-on threshold R1: Day (Symbol "Sun")  
 Follow-up time R2: optional  
 Group 2:  
 Follow-up time R1: 5 min  
 Switch-on threshold R1: 300 Lux  
 Follow-up time R2: optional

## Operation mode:

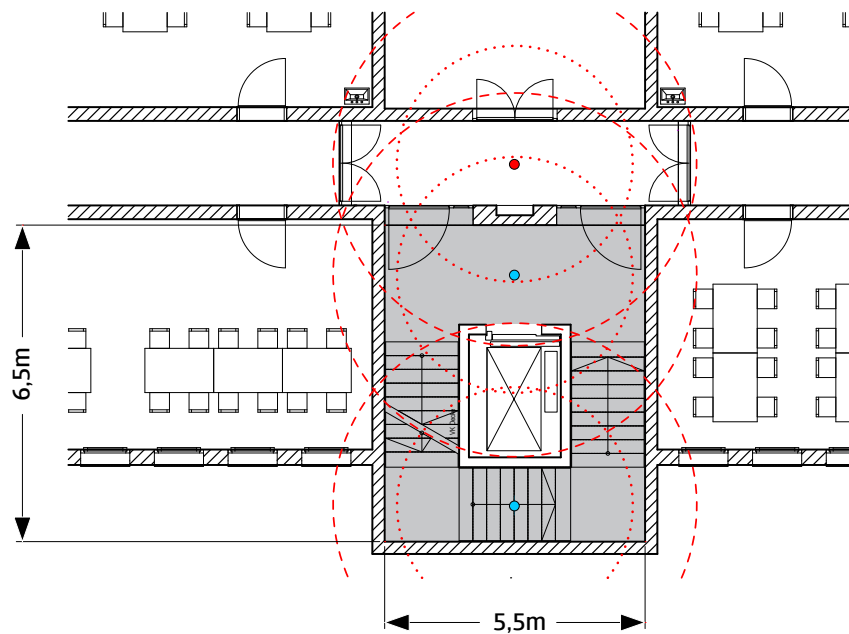
Master operation with optional push-button control on the basement floor (see wiring diagram PD2-M-2C)

## Detection range Type „PD2“



— across Ø 10 m  
 - - - frontally Ø 6 m  
 ..... seated activity Ø 4 m  
 for a mounting height of 2.50 m

# Planning example staircase with PD3N



**Detector for**  
 ● Lighting group 1  
 ● Lighting group 2  
**Mounting height = 3.00 m**

## Application description:

The lighting of an office building is to be controlled automatically by motion detectors in the stairwell with central elevator and in the corridor in front. The devices should be mounted on the ceiling.

## Note:

A second detector should be installed on the rear side of the elevator to avoid a dead zone. Two motion detectors control the lighting group (master/slave) on each floor in the stairwell.

## Object data:

**Type:** Staircase with 3 floors without daylight  
**Staircase dimensions:** L 6.50 x B 5.50 m  
**Ceiling height:** 3.00 m (clear height)

## Lighting:

2 luminaire groups with ECG per floor

## Product listing:

3 pcs. LUXOMAT® PD3N devices per floor

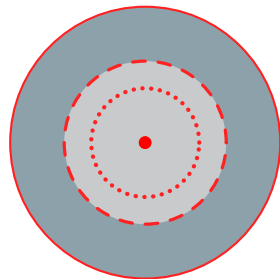
## Device setting:

**Follow-up time:** 5 min  
**Switch-on threshold:**  
 Group 1: Switch-on threshold 300 Lux (with L' monitoring)  
 Group 2: Switch-on threshold Day (Symbol "Sun")

## Operation mode:

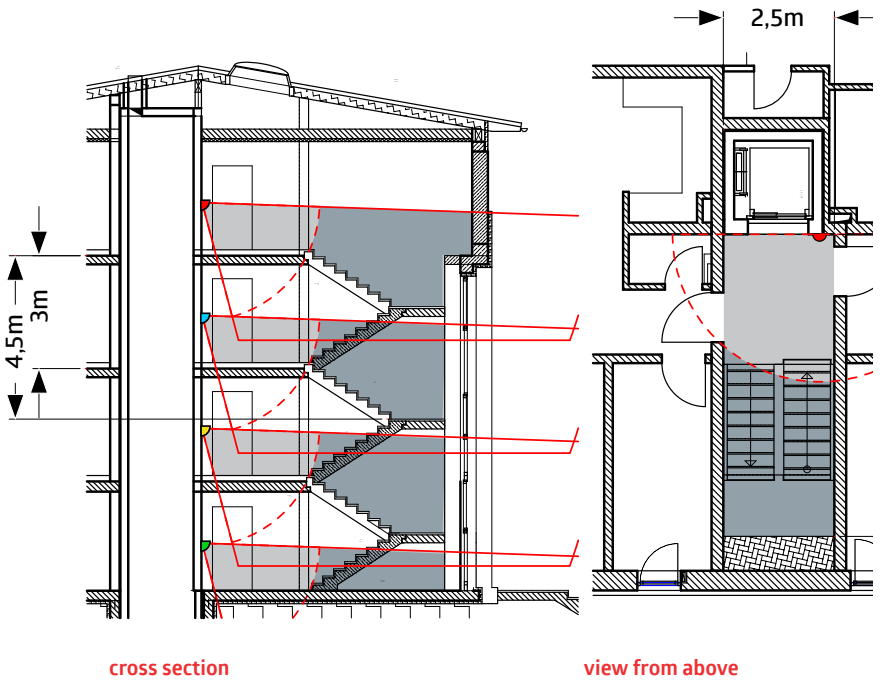
Parallel operation (see wiring diagram PD3N-1C)

## Detection range Type „PD3N“



— across Ø 10 m  
 - - - frontally Ø 6 m  
 ..... seated activity Ø 4 m  
 for a mounting height of 2.50 m

# Planning example staircase with Indoor 180



**Detector for**  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3  
 ● Lighting group 4

**Mounting height = 1.00 m**

## Application description:

In the stairwell of an apartment building, the lighting is to be automatically controlled floor by floor with motion detectors. The motion detectors are to be mounted as wall switches.

## Object data:

**Type:** Staircase with four floors with daylight  
**Staircase dimensions:** L 6.50 x B 2.50 m  
**Ceiling height:** 3.00 m (clear height)

## Lighting:

1 luminaire group with electronic ballasts per floor

## Product listing:

4 pcs. LUXOMAT® Indoor 180-R devices

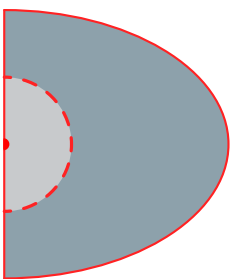
## Device setting:

**Group 1:**  
**Follow-up time R1:** 5 min  
**Switch-on threshold R1:** Day (Symbol "Sun")  
**Group 2:**  
**Follow-up time R1:** 5 min  
**Switch-on threshold R1:** 300 Lux

## Operation mode:

Standard operation (floor by floor, optional push-button control) (see wiring diagram Indoor 180-R)

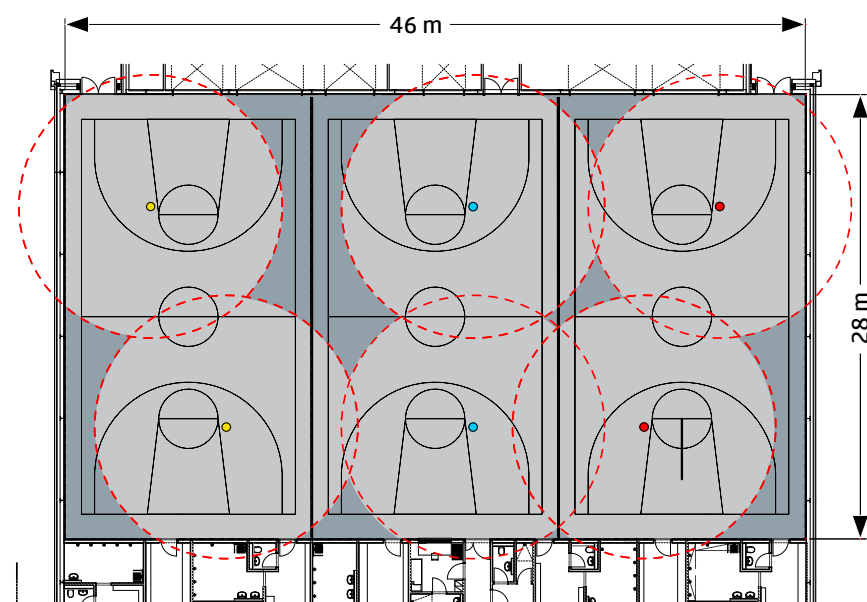
## Detection range Type "Indoor 180"



— across Ø 10 m  
 - - - frontally Ø 3 m  
 for a mounting height of 1.10 m - 2.20 m



## Planning example three-field gymnasium with PD4



Detector for  
● Lighting group 1  
● Lighting group 2  
● Lighting group 3

Mounting height = 6.00 m - 8.00 m

### Application description:

Automatic lighting control with presence detectors is to be implemented in a three-field gymnasium with variable partitions. In each of the three hall areas, a luminaire group is formed and individually switched.

Despite the automatic control, it should be possible to influence the current switching status manually using a push-button as well as a remote control.

### Note:

Scenarios can be stored in the lighting control system so that lighting is optimally controlled depending on use (with partitions in the small halls or without partitions in the large hall).

Special circuits are available for use with partition walls and various lighting scenes.

### Object data:

Type: Three-field gymnasium

Hall dimensions:

L 46.00 x B 28.00 m

Ceiling height: 6.00 – 8.00 m,  
reflective floor

### Lighting:

1 luminaire group with ECG per hall area

### Product listing:

3 pcs. LUXOMAT® PD4 master device

3 pcs. LUXOMAT® PD4 slave device

### Master device setting:

Follow-up time R1: mind. 5 min

Switch-on threshold R1: 300 - 500 Lux

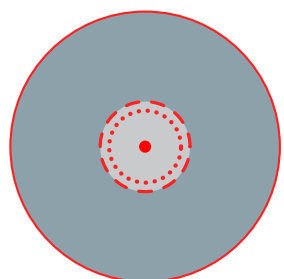
Follow-up time R2: optional

### Operation mode:

Master operation with all three luminaire groups (see wiring diagram PD4-M-2C);  
Master/slave operation is also possible.

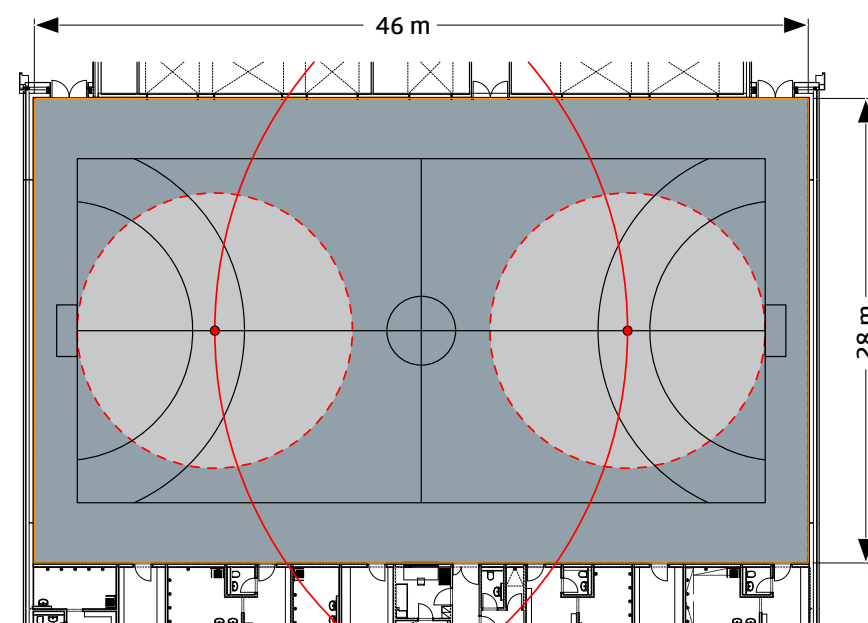
The master device must always be mounted at the darkest spot.

### Detection range Type "PD4"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6 m  
for a mounting height of 2.50 m

## Planning example small playing field handball/tennis with PD4



Detector for  
● Lighting group 1

Mounting height = 6.00 m - 8.00 m

### Application description:

A gymnasium is to be equipped with a presence-dependent lighting control system. The devices should be mounted on the ceiling.

### Object data:

Type: Gymnasium with small playing field

Hall dimensions:

L 46.00 x B 28.00 m

Ceiling height: 6.00 – 8.00 m,  
reflective floor

### Lighting:

1 luminaire group with electronic ballasts

### Product listing:

1 pc. LUXOMAT® PD4 master device

1 pc. LUXOMAT® PD4 slave device

### Master device setting:

Follow-up time R1: mind. 5 min

Switch-on threshold R1: 300 - 500 Lux

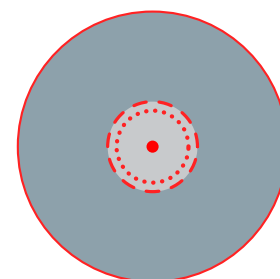
Follow-up time R2: optional

### Operation mode:

Master operation (see wiring diagram PD4-M-1C);  
Master/slave operation is also possible.

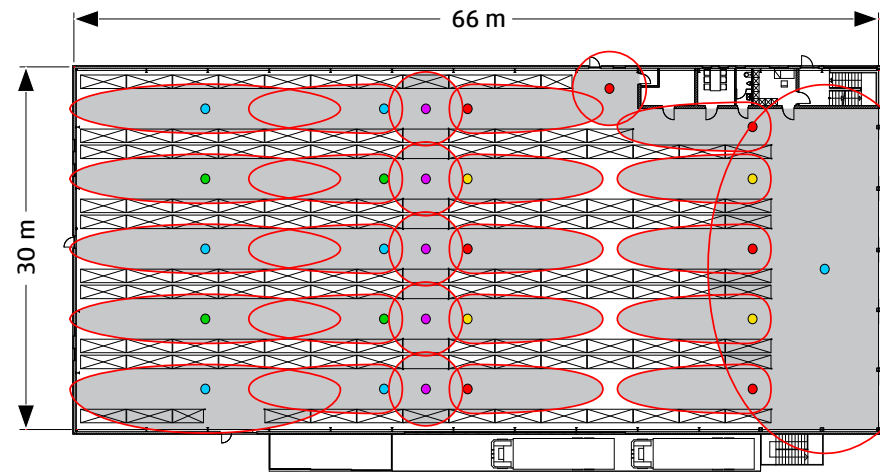
The master device must always be mounted at the darkest spot.

### Detection range Type "PD4"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6 m  
for a mounting height of 2.50 m

## Planning example high-bay warehouse with PD4-GH and PD9-GH



Detector for  
 ● Lighting group 1-3  
 ● Lighting group 4-7  
 ● Lighting group 8-9  
 ● Lighting group 10-11  
 ● Lighting group 12

Mounting height = 10.00 m

### Application description:

In a warehouse, the light is to be switched on automatically by presence detectors. Each aisle is to be monitored and switched individually so as not to waste energy unnecessarily.

### Note:

For optimum detection, a PD4-GH detector is mounted at each end of the aisle, when this is open on both sides. One PD4-GH detector is placed at the open end of the one-sided open aisles and a second one in the middle.

The lenses at the head ends are covered with blinds towards the main aisle to prevent unwanted switching.

The luminaire group in the corridor is controlled by PD9 detectors.

### Object data:

Type: High bay warehouse with daylight  
 Warehouse dimensions:  
 L 66.00 x B 30.00 m  
 Ceiling height: 10.00 m

### Lighting:

12 luminaire groups with electronic ballasts

### Product listing:

11 pcs. LUXOMAT® PD4 master GH devices  
 10 pcs. LUXOMAT® PD4 slave GH devices  
 1 pc. LUXOMAT® PD9 slave GH device  
 5 pcs. LUXOMAT® PD9 slave GH devices

### Master device setting:

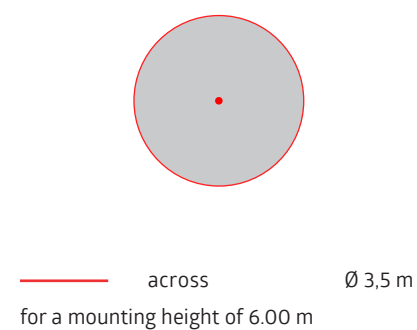
Follow-up time R1: > 5 min  
 Switch-on threshold R1: 500 Lux or individually with remote control

### Operation mode:

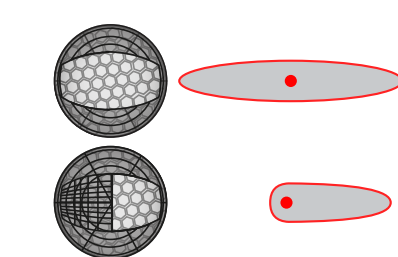
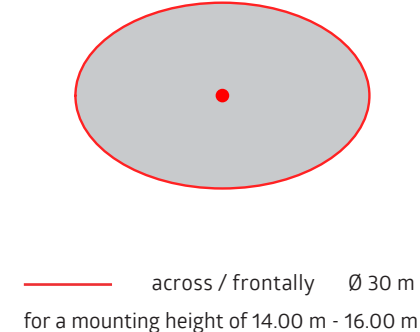
Master/slave operation for luminaire groups in the individual aisles and passageways (see wiring diagrams PD4-M-1C-GH and PD9-M-1C-GH)

The master device must always be mounted at the darkest spot of the area of its luminaire group.

### Detection range Type „PD9-GH“

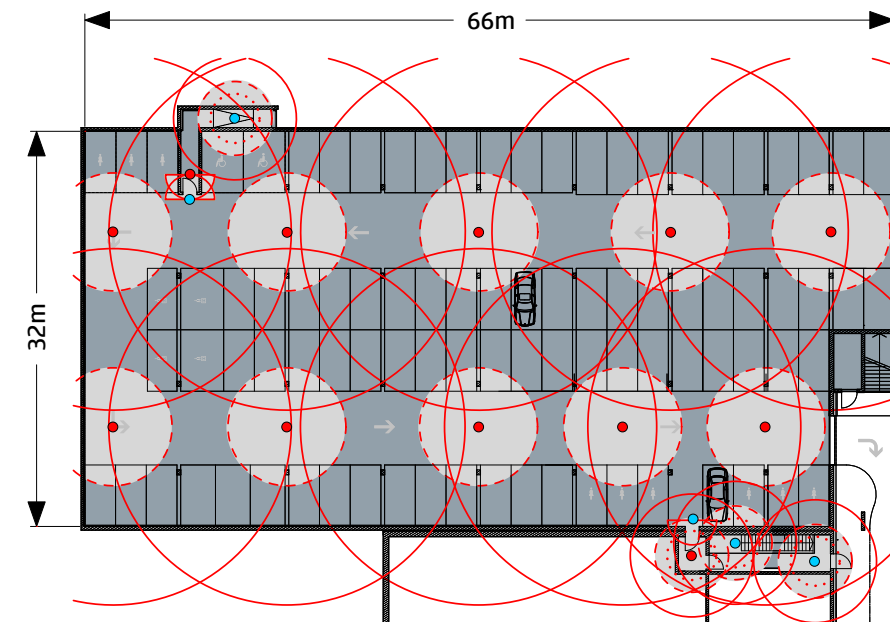


### Detection range Type „PD4-GH“



The detection range can be optimally adapted by means of blinds.

## Planning example underground car park with PD4 and PD2



Detector for  
 ● Lighting group 1  
 ● Lighting group 2-3

Mounting height = 3.00 m

### Application description:

In an underground car park, the best possible monitoring of the entrance areas to the underground car park and the main passageways should be achieved with as few motion detectors as possible. „Dead spots“ in certain parts of the garage are to be compensated with an adjusted follow-up time.

### Note:

The transit areas are equipped with two detectors, the detection area of which is limited to the doors by means of blinds. The detectors belong to the lighting group on the other side of the respective door.

In this way, the light is switched in advance in the direction of movement.

### Object data:

Type: Underground car park without daylight

Garage dimensions:  
 L 66.00 x B 32.00 m

Ceiling height: 3.00 m

### Lighting:

2 separate luminaire groups with electronic ballasts

### Product listing:

2 pcs. LUXOMAT® PD2 master device  
 5 pcs. LUXOMAT® PD2 slave device  
 1 pcs. LUXOMAT® PD4 master device  
 9 pcs. LUXOMAT® PD4 slave device

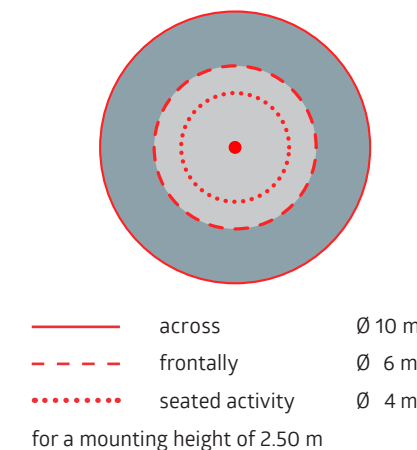
### Master device setting:

Follow-up time R1: mind. 5 min  
 Switch-on threshold R1: 300 - 500 Lux  
 Follow-up time R2: optional

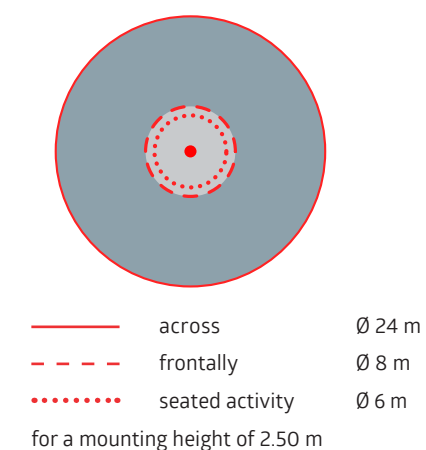
### Operation mode:

Parallel connection pro Lighting group (see wiring diagrams PD2-M-2C and PD4-M-2C)

### Detection range Type „PD2“

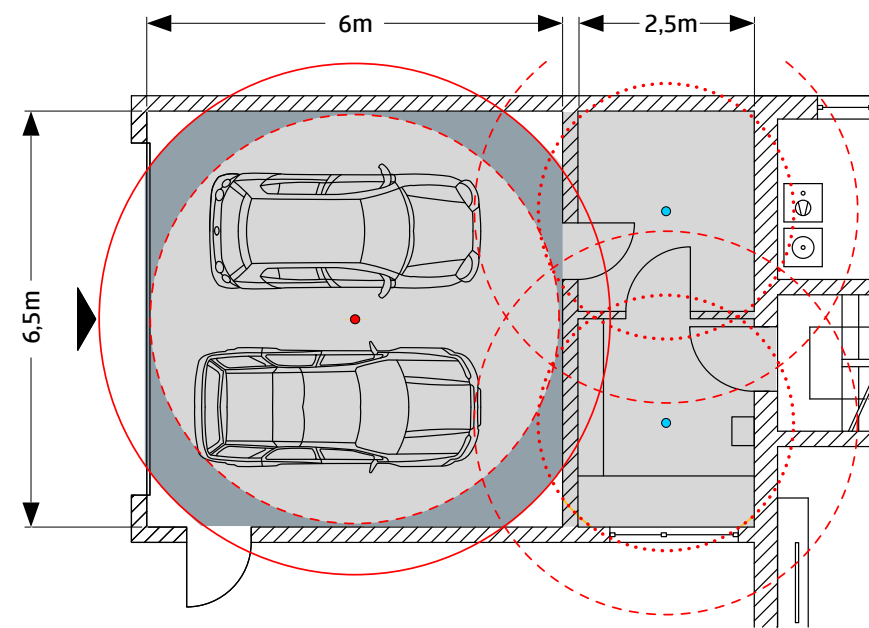


### Detection range Type „PD4“





# Planning example single garage with PD4N and PD3N



Detector for  
● Lighting group 1  
● Lighting group 2  
Mounting height = 2.50 m

## Application description:

In a private garage, the lighting is to be controlled automatically by motion detectors. The motion detectors should be mounted on the ceiling.

## Object data:

Type: Private garage without daylight  
Garagenabmessungen:  
L 6.00 x B 6.50 m  
Ceiling height: 2.50 m

## Lighting:

2 separate luminaire groups with electronic ballasts

## Product listing:

1 pcs. LUXOMAT® PD4N device  
2 pcs. LUXOMAT® PD3N devices

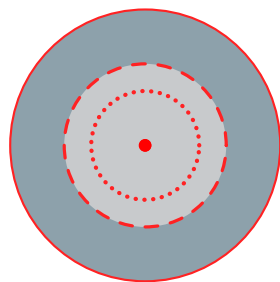
## Master device setting:

Follow-up time: 4 min  
Switch-on threshold: Day (Symbol "Sun")

## Operation mode:

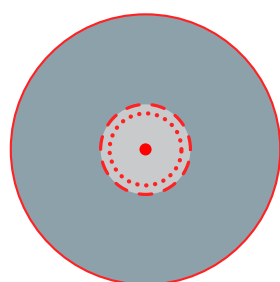
Standard operation (see wiring diagrams PD3N-1C and PD4N-1C)

## Detection range Type „PD3N“



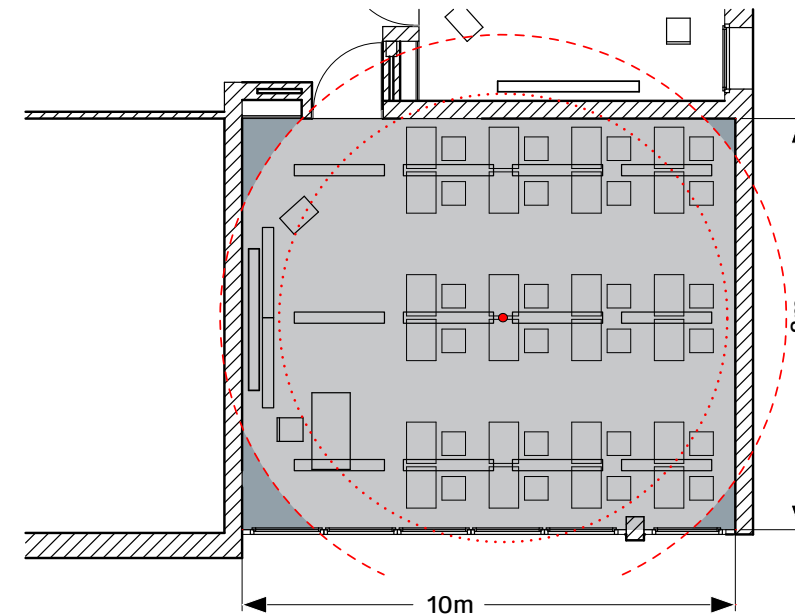
— across Ø 10 m  
- - - frontally Ø 6 m  
..... seated activity Ø 4 m  
for a mounting height of 2.50 m

## Detection range Type „PD4N“



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6 m  
for a mounting height of 2.50 m

# Planning example classroom with PD4



Detector for  
● Lighting group 1  
Mounting height = 3.00 m

## Application description:

In a classroom, the lighting is to be controlled according to presence and daylight. Despite the automatic control, it should be possible to influence the current switching status manually by means of a push-button or remote control. The presence detector is to be mounted on the ceiling.

## Object data:

Type: Classroom with daylight  
Room dimensions:  
L 10.00 x B 8.00 m  
Ceiling height: 3.00 m

## Lighting:

1 luminaire group with electronic ballasts

## Product listing:

1 pcs. LUXOMAT® PD4 master device

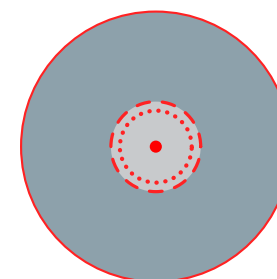
## Master device setting:

Follow-up time: mind. 5 min  
Switch-on threshold: 500 Lux or individually with remote control

## Operation mode:

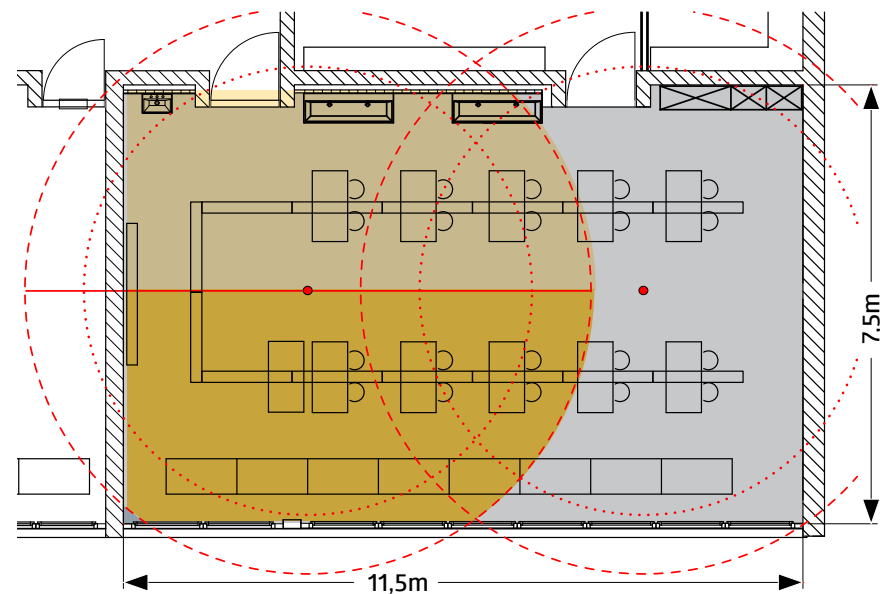
Master operation (see wiring diagram PD4-M-1C)

## Detection range Type "PD4"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6 m  
for a mounting height of 2.50 m

## Planning example classroom with PD4-DUO



- Light sensor 1
- Light sensor 2
- Detector for
- Lighting group 1
- Mounting height = 3.00 m

### Application description:

In a classroom, the lighting is to be controlled according to presence and daylight. The difference in brightness between the room side towards the wall and the room side towards the window should be compensated. Despite the automatic control, it should be possible to influence the current switching status manually by means of a push-button or remote control. The presence detector is to be mounted on the ceiling.

### Note:

Each light band in the classroom is a luminaire group. The PD4-DUO has two independent light sensors. It can thus control two lighting groups with different brightness values and thus compensate for differences in brightness in the room.

### Object data:

**Type:** Classroom with one window side  
**Room dimensions:**  
 L 11.50 x B 7.50 m  
**Ceiling height:** 3.00 m

### Lighting:

2 luminaire groups with electronic ballasts

### Product listing:

1 pcs. LUXOMAT® PD4 master DUO Device  
 1 pcs. LUXOMAT® PD4 slave device

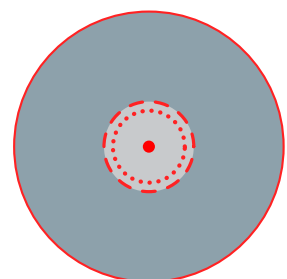
### Master device setting:

**Follow-up time R1:** mind. 5 min  
**Switch-on threshold R1:** 500 Lux or individually with remote control  
**Follow-up time R2:** mind. 5 min  
**Switch-on threshold R2:** 500 Lux or individually with remote control

### Operation mode:

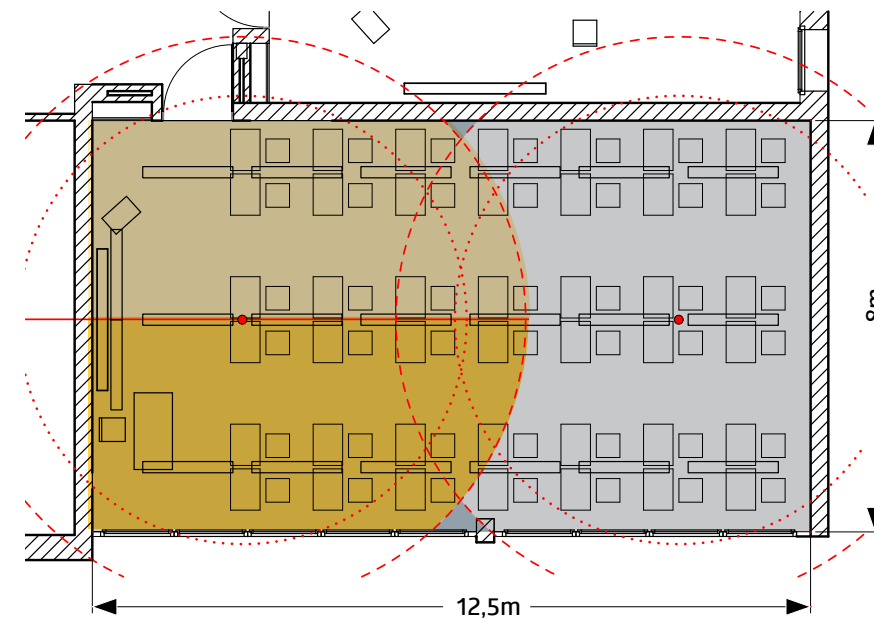
Master/slave circuit with optional push-button control (see wiring diagrams PD4-M-2C-DUO)

### Detection range Type „PD4-DUO“



- across Ø 24 m
- - - frontally Ø 8 m
- ..... seated activity Ø 6 m
- for a mounting height of 2.50 m

## Planning example classroom with PD4-DAA4G



- Light sensor 1
- Light sensor 2
- Detector for
- Lighting group 1
- Mounting height = 3.00 m

### Application description:

In a classroom with a window front, three light bands and separate blackboard lighting, the lighting is to be controlled according to presence and daylight. The difference in brightness between the wall and window sides is to be compensated so that the same brightness prevails at each pupil's desk. In addition, the air conditioning system is to be activated according to presence.

### Note:

With the PD4-DAA4G, the three light bands in the room can be operated as individual DALI groups. Offset values are used to compensate for brightness differences. The panel lighting can be switched as the fourth DALI group. In addition, the air-conditioning system is

automatically controlled via a relay channel. Despite the automatic control, the current switching status can be overridden manually via push-button or remote control app.

### Object data:

**Type:** Classroom with one window side  
**Room dimensions:**  
 L 12.50 x B 8.00 m  
**Ceiling height:** 3.00 m

### Lighting:

4 DALI groups with electronic ballasts  
 1 Relay channel for air conditioning

### Product listing:

1 pcs. LUXOMAT® PD4 master DAA4G device  
 1 pcs. LUXOMAT® PD4 slave DAA4G device

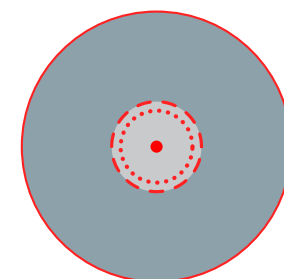
### Master device setting:

**Follow-up time DALI-Group 1-4:** > 5 min  
**Switch-on threshold :DA1 - DA4:** 500 Lux  
**Main lighting:** full automatic (DALI group 1-3)  
**Panel lighting:** semi-automatic (DALI group 4)  
**Follow-up time HVAC:** 15 min

### Operation mode:

Standard mode (see wiring diagram PD4-M-DAA4G)

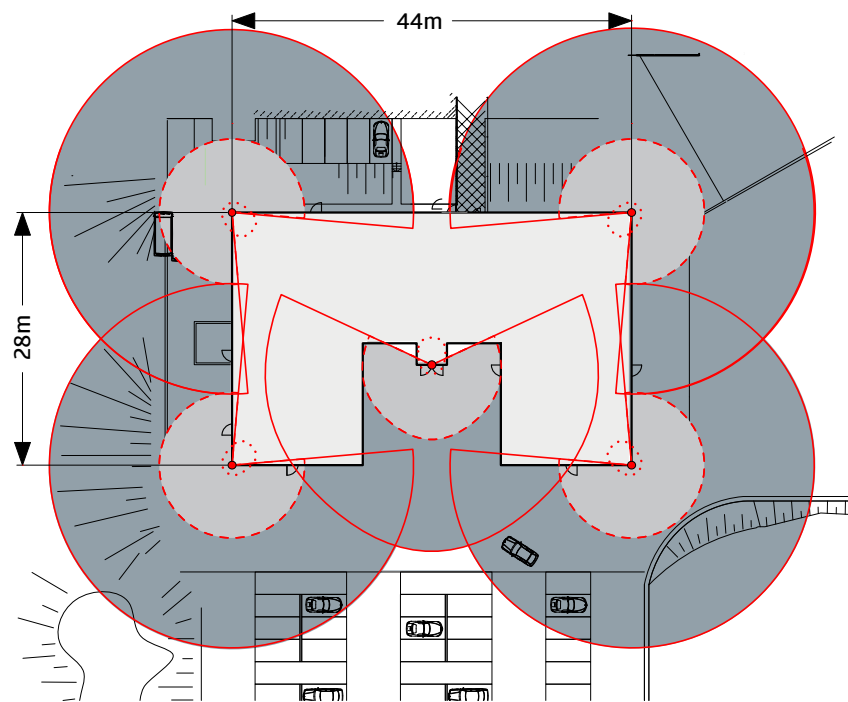
### Detection range Type „PD4-DAA4G“



- across Ø 24 m
- - - frontally Ø 8 m
- ..... seated activity Ø 6 m
- for a mounting height of 2.50 m



# Planning example building with RC-plus next N



Detector for  
● Lighting group 1  
Mounting height = 2.50 m

## Application description:

In the outdoor area of an office building, the lighting should be reliably switched by motion detectors. As few detectors as possible should be required to cover the entire area.

## Note:

It must be ensured that the motion detectors are always mounted laterally to the walking or driving direction of persons or vehicles. If you approach the detector directly, the range is considerably reduced.  
The RC-plus next N is available with 130°, 180° or 280° detection range.

## Object data:

Type: Exterior office building  
Building dimensions:  
L 44.00 x B 28.00 m  
Storey height: 3.00 m

Lighting:  
1 Lighting group

## Product listing:

4 pcs. LUXOMAT® RC-plus next N 280-  
devices  
1 pcs. LUXOMAT® RC-plus next N 230-  
device

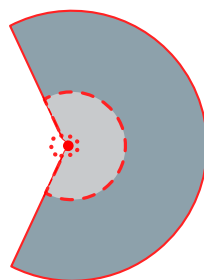
## Device setting:

Follow-up time: 4 min  
Switch-on threshold: advanced twilight  
(symbol "moon dark")

## Operation mode:

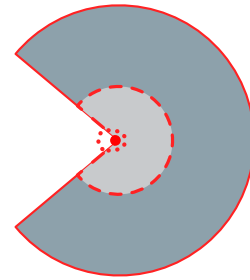
Standard operation (see circuit diagram RC-plus next N) or parallel connection with L' monitoring

## Detection range Type "RC-plus next N 230"



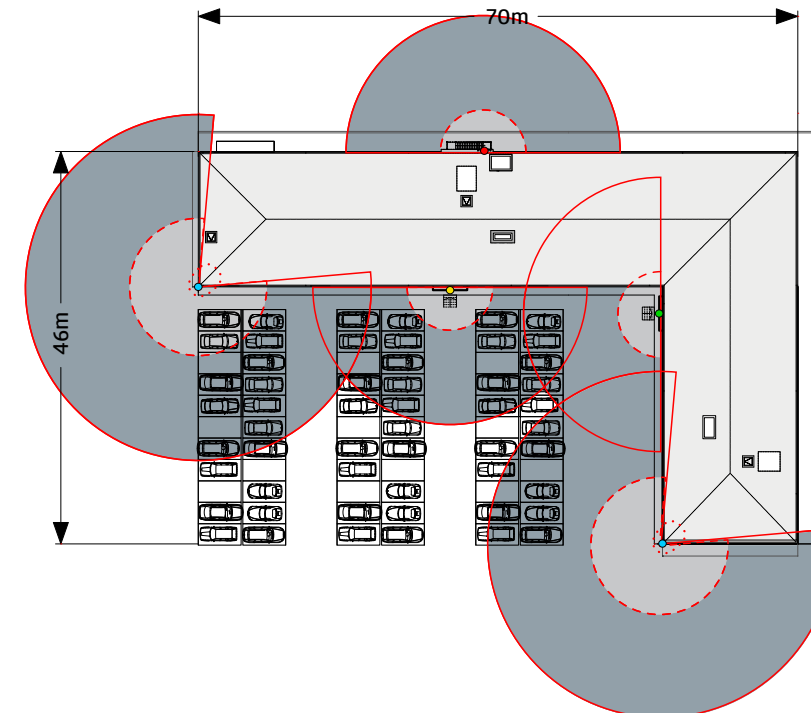
— across max. 20 m  
- - - frontally max. 6 m  
..... Anti-creep zone max. 4 m  
for a mounting height of 2.50 m

## Detection range Type "RC-plus next N 280"



— across max. 20 m  
- - - frontally max. 6 m  
..... Anti-creep zone max. 4 m  
for a mounting height of 2.50 m

# Planning example building with RC-plus next N and Aleum



Detector for  
● Lighting group 1  
● Lighting group 2-3  
● Lighting group 4  
● Lighting group 5  
Mounting height = 2.50 m

## Application description:

In a town hall, the entrances to the car park and the building entrances are to be monitored by motion detectors in order to switch on the outdoor lighting at the entrances.

## Note:

It must be ensured that the motion detectors are always mounted laterally to the walking or driving direction of persons or vehicles. If you approach the detector directly, the range is considerably reduced.

## Object data:

Type: Exterior administration building  
Building dimensions:  
L 70.00 x B 46.00 m  
Storey height: 3.00 m

Lighting:  
1 Lighting group

## Product listing:

2 pcs. LUXOMAT® RC-plus next N 280-  
devices  
3 pcs. LUXOMAT® Aleum Glow devices

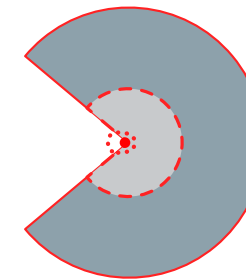
## Device setting:

Follow-up time: 4 min  
Switch-on threshold: advanced twilight  
(symbol "moon dark")

## Operation mode:

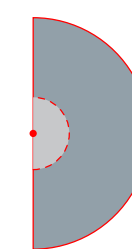
Standard operation (see circuit diagram RC-plus next N) or parallel connection with L' monitoring

## Detection range Type "RC-plus next N 280"



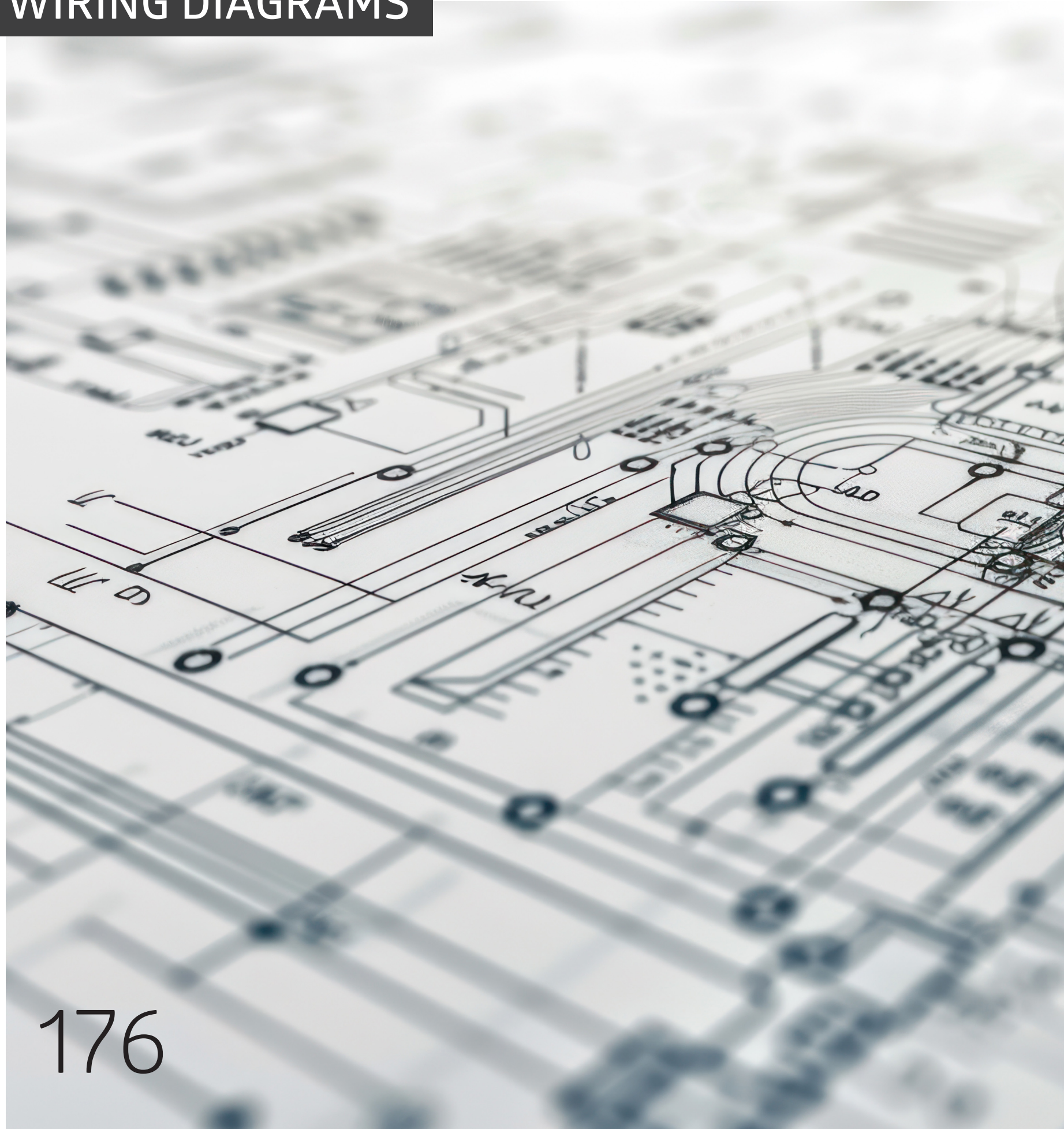
— across max. 20 m  
- - - frontally max. 6 m  
..... Anti-creep zone max. 4 m  
for a mounting height of 2.50 m

## Detection range Type „Aleum Glow“



— across max. 16 m  
- - - frontally max. 5 m  
for a mounting height of 2.50 m

# WIRING DIAGRAMS



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## Top-quality products from B.E.G. – quick and easy to install

For over 50 years, we have stood for outstanding quality and reliable solutions. But B.E.G. quality goes far beyond perfect functionality and attractive design. The high standards we set for our products begin in the development department.

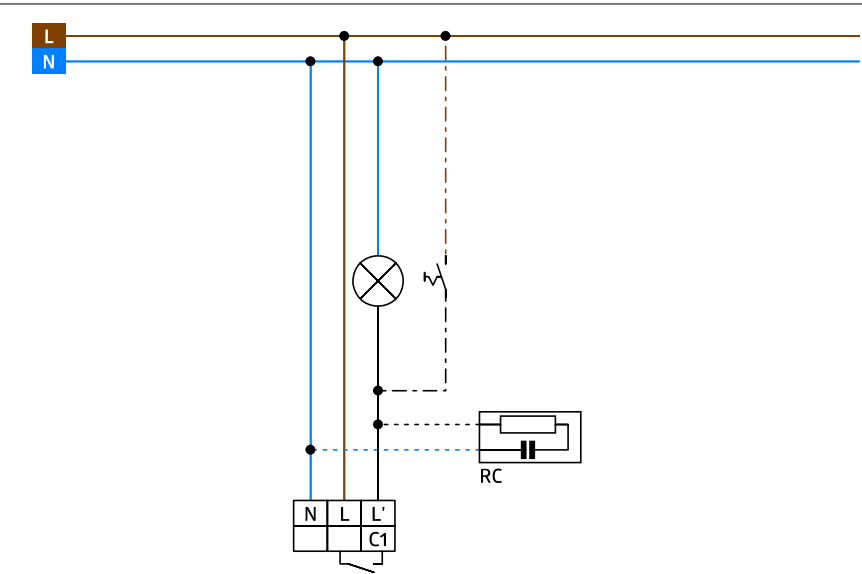
No compromises are made here: B.E.G. developers place great importance on high material quality and innovative technology. They are constantly searching for optimal solutions and new, user-friendly functions.

Right from the development stage, we ensure that our products can be installed quickly and with minimal effort. Our motion and presence detectors can be used to implement various circuit configurations. An overview can be found on the following pages, which contain the circuit diagrams for the detectors featured in this catalogue.

If you would like advice, please contact us. Our field and office staff will be happy to help you select the right products and plan your project.



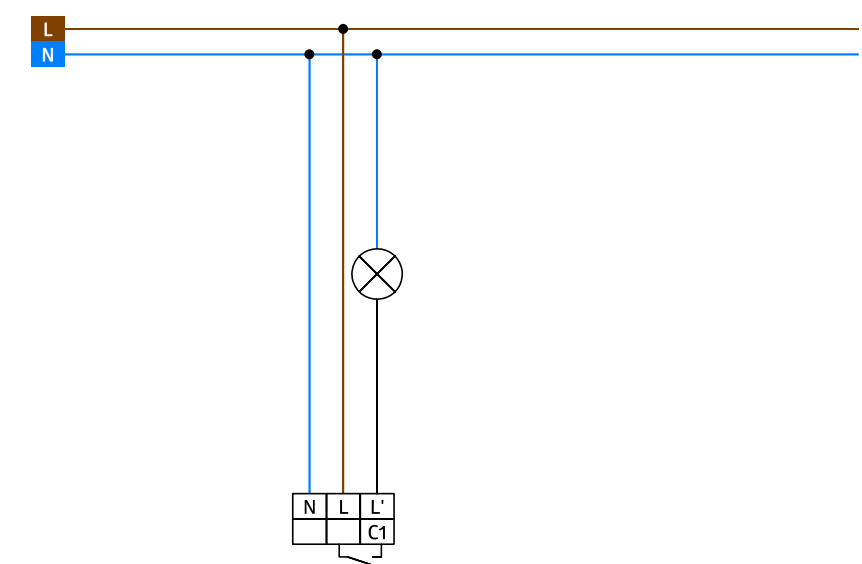
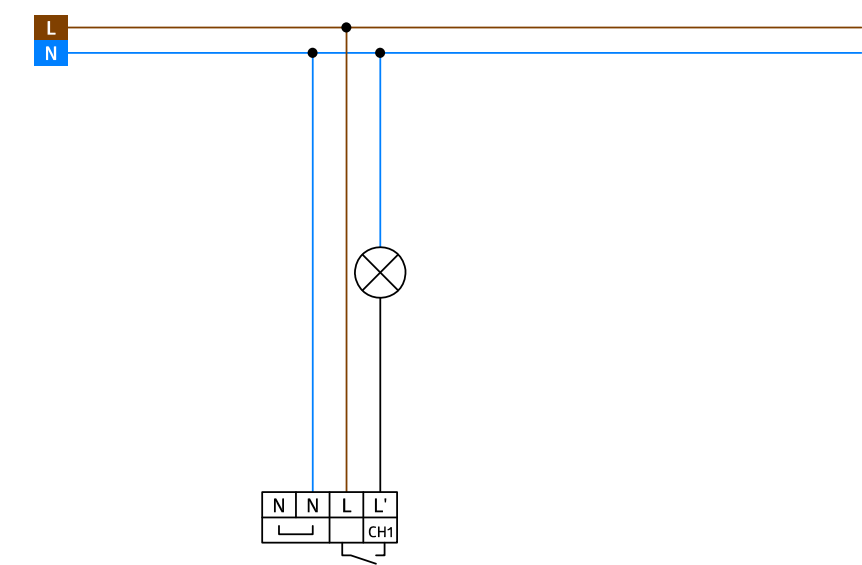
Wiring diagrams



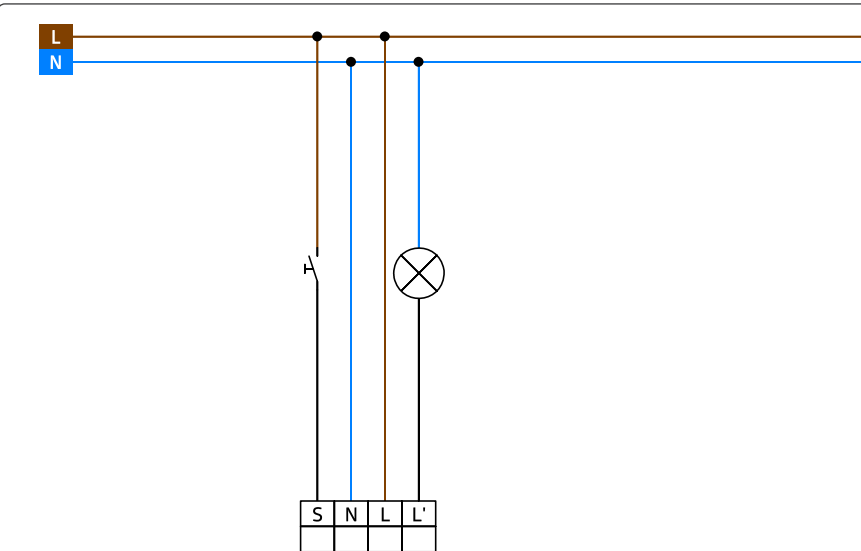
- RC-plus next N 130
- RC-plus next N 230
- RC-plus next N 280
- LC-plus 280
- LC-Click-N 140
- LC-Click-N 200
- HF-MD1
- HF-MD2
- PD3N-1C
- PD4N-1C-K
- PD9-1C
- PD9-1C-GH
- PD3N-1C Micro
- PD4N-1C

- Aleum Glow

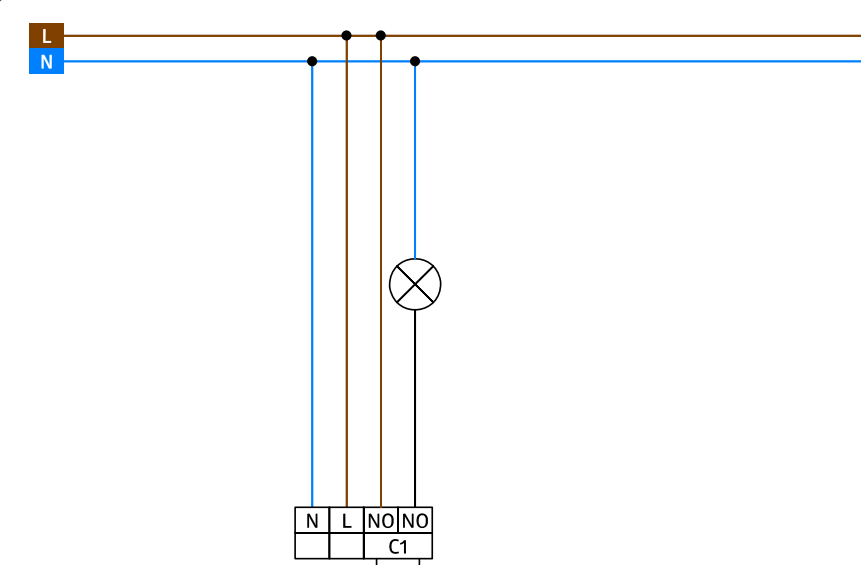
- BL2



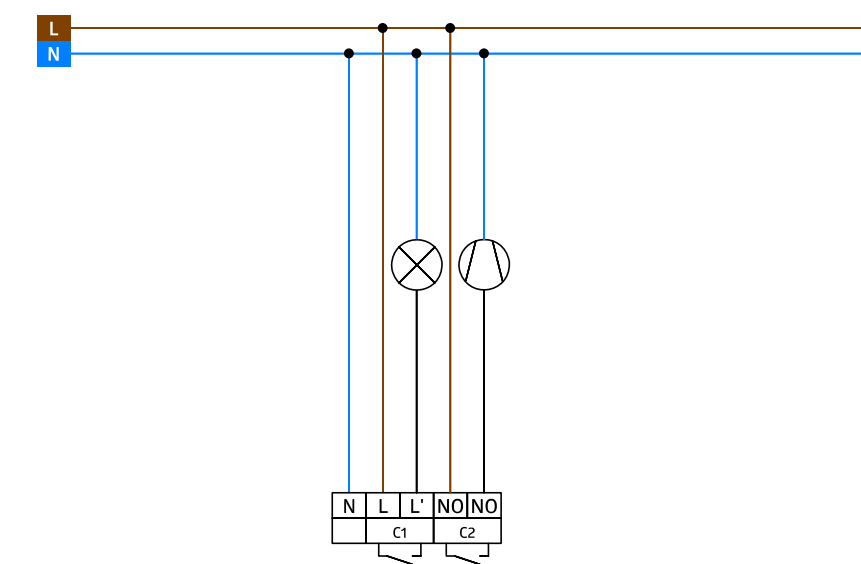
Wiring diagrams



- BL4-C
- BL4
- BL4-PLUS

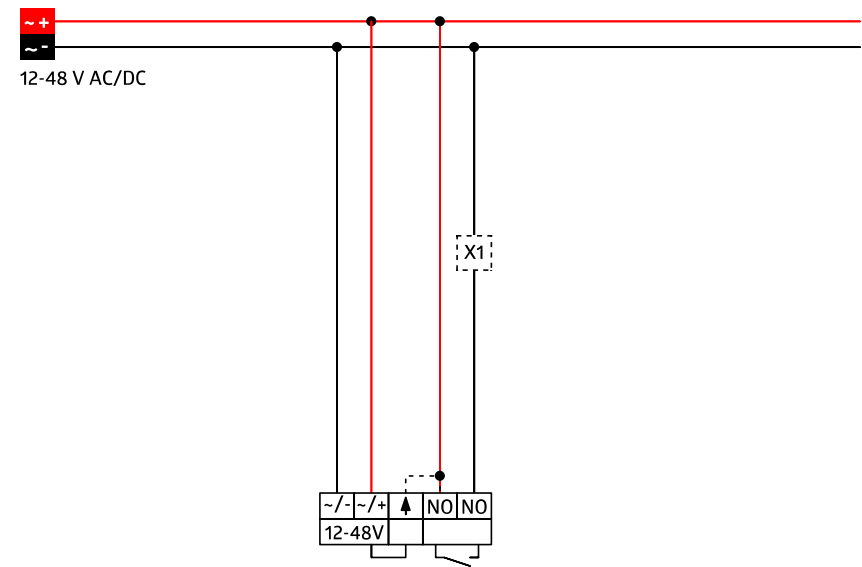


- PD3N-1C-NO-PF
- OCCULOG-1C
- PD9-M-1C-SDB-IP65
- PD9-M-1C-SDB-IP65-GH

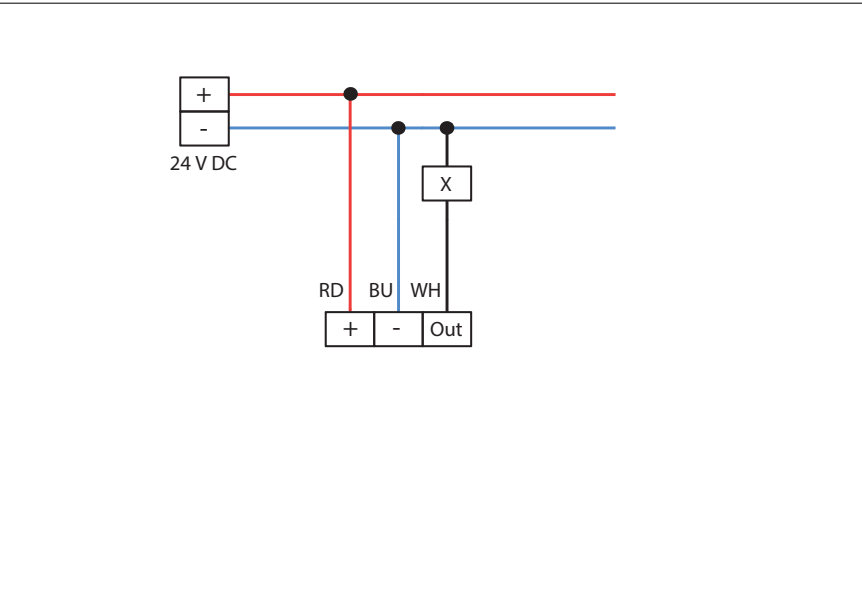


- PD3N-2C

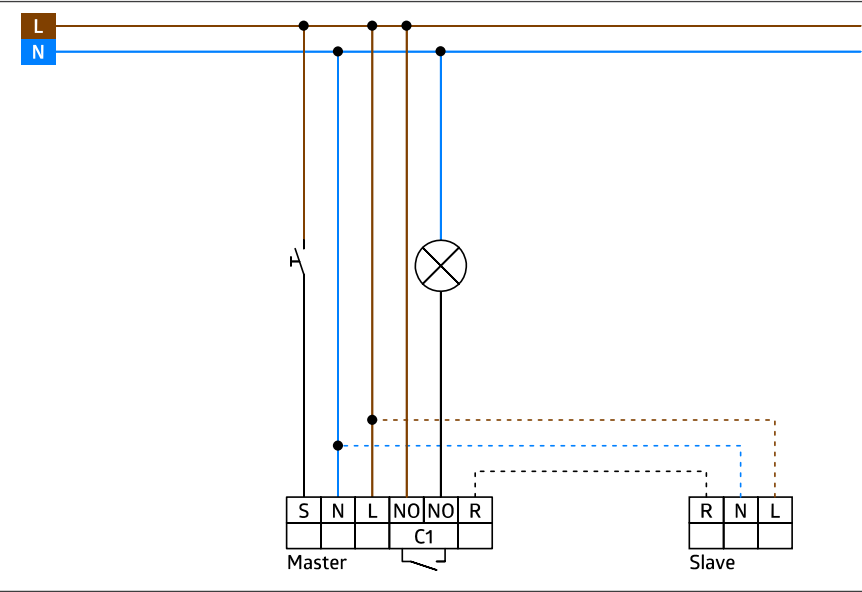
## Wiring diagrams



■ PD9-1C-12-48V

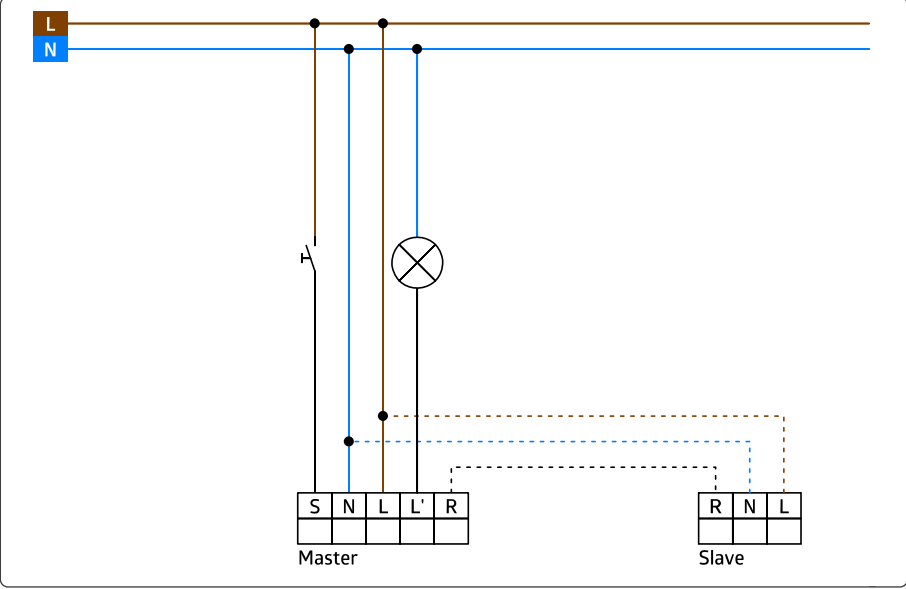


■ PD9-SH-24V

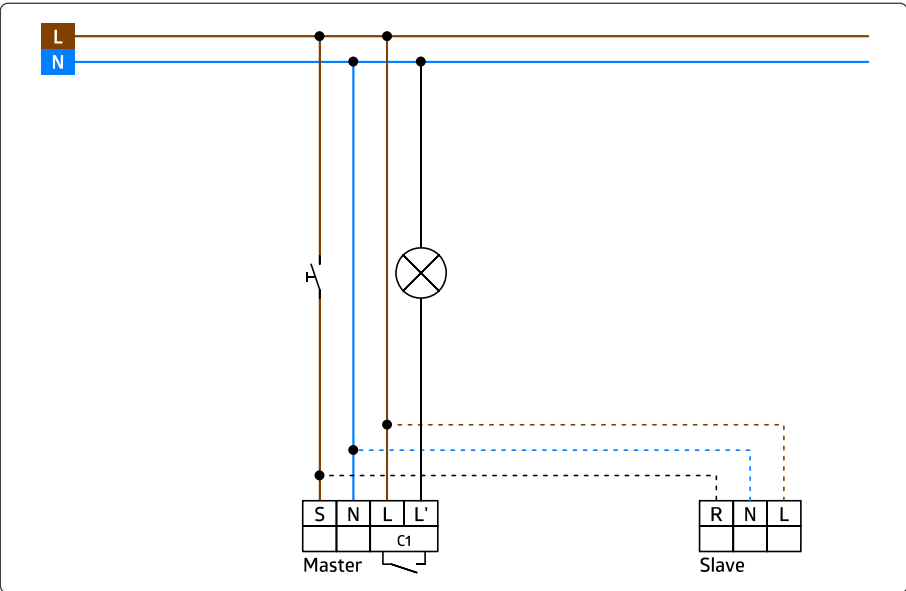


- PD2-M-1C
- PD4-M-1C
- PD4-M-1C-C
- PD4-M-1C-GH
- PD9-M-1C
- PD9-M-1C-GH
- PD2-S
- PD11-S-FLAT
- PD4-S
- PD4-S-C
- PD4-S-GH
- PD9-S
- PD9-S-GH

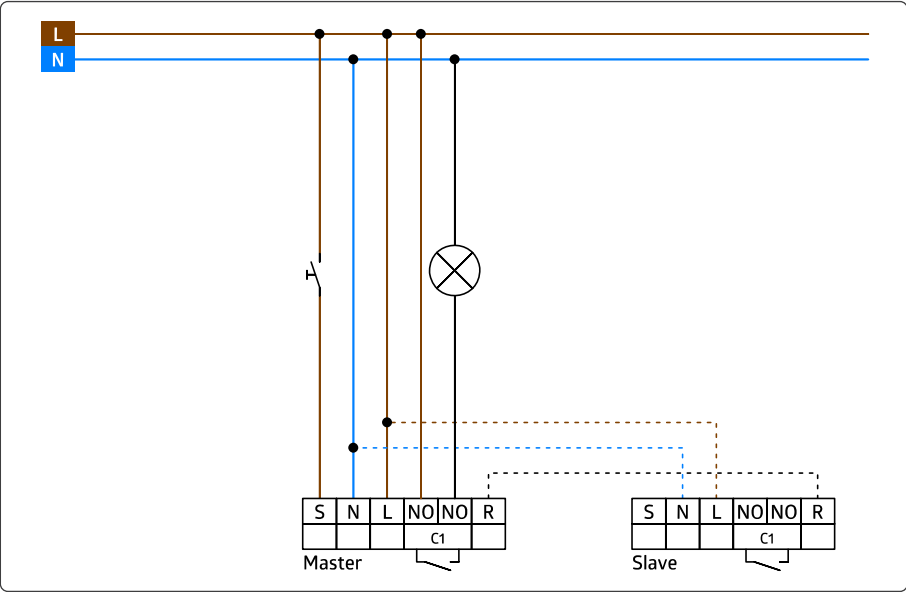
## Wiring diagrams



■ PD11-M-1C-FLAT



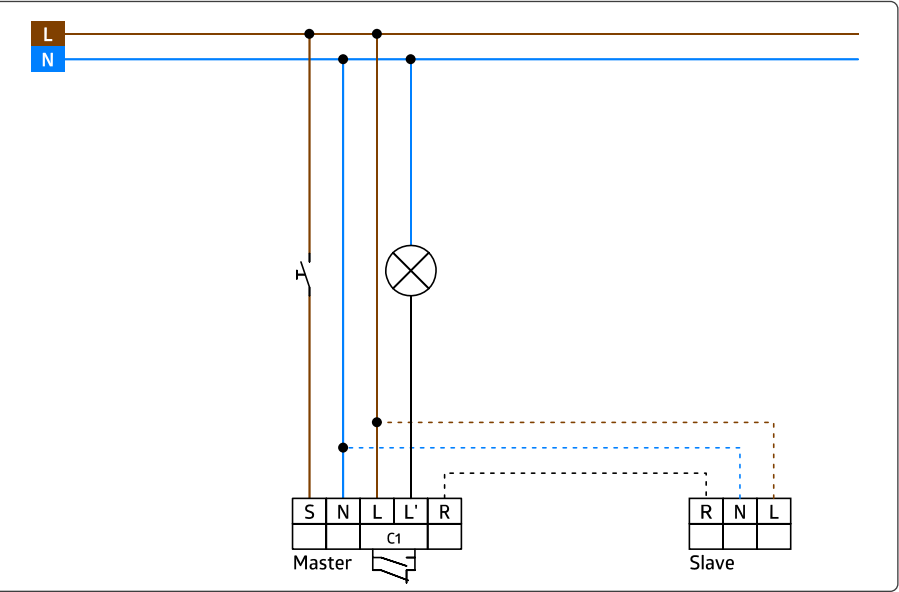
- PICO-N-M-1C
- PICO-S



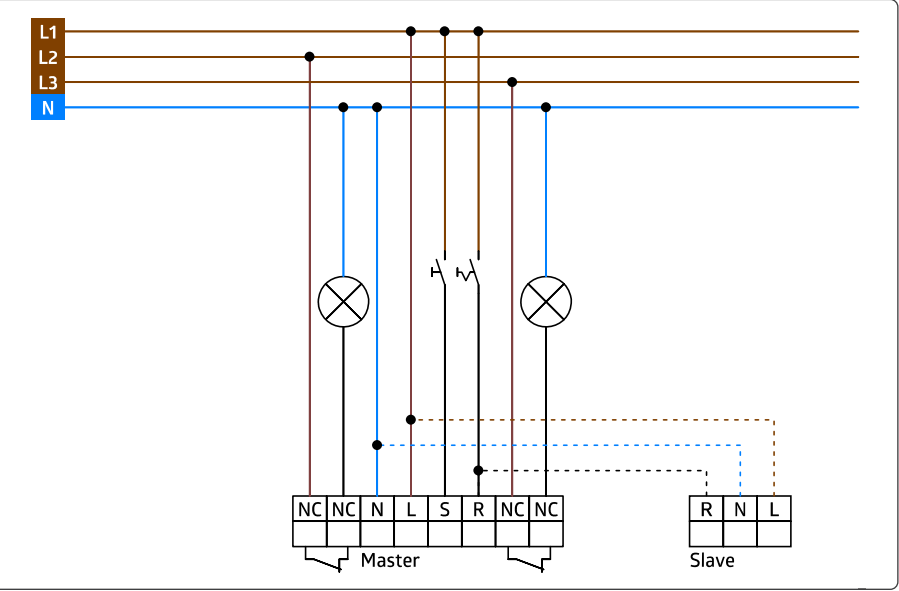
■ PD2N-M-1C-LED



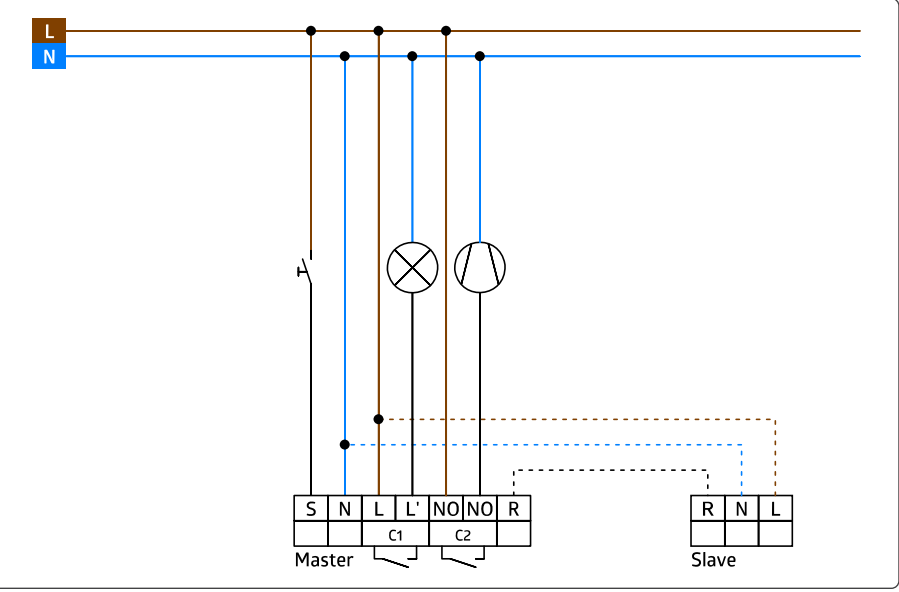
# Wiring diagrams



■ PD4-M-1C-C-PS

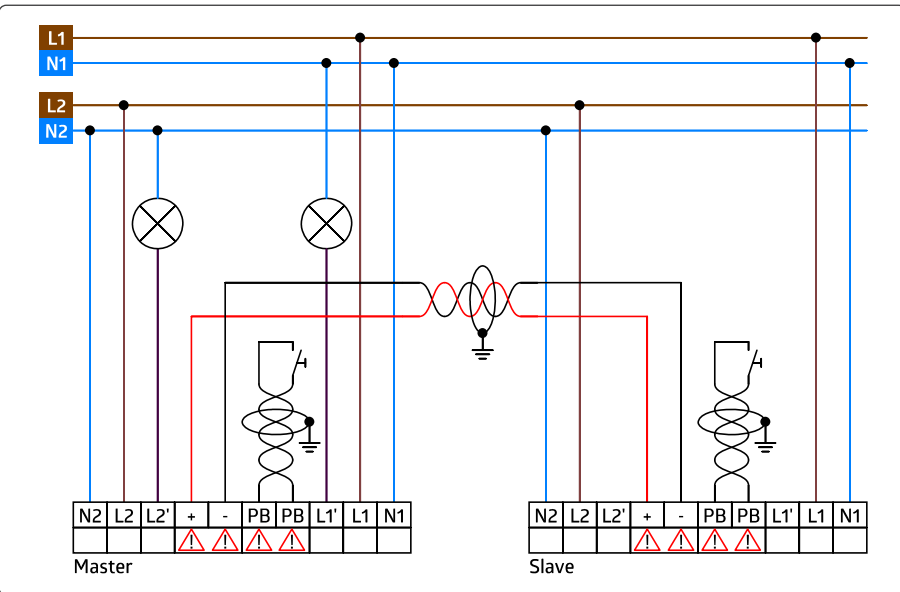


■ PD4-M-TRIO-C-3P

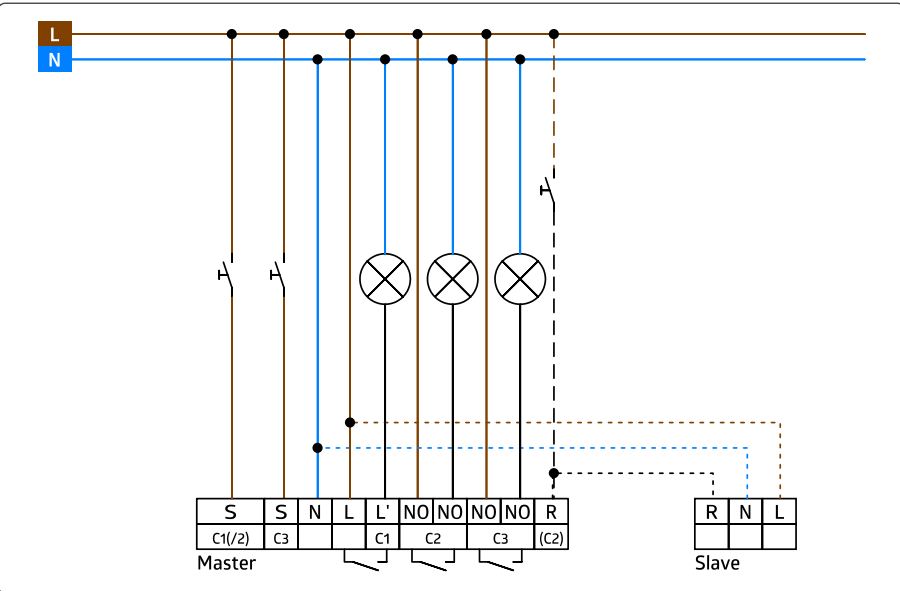


- PD2-M-2C
- PD4-M-2C
- PD4-M-2C-C
- PD9-M-2C
- Indoor 180-M-2C
- Indoor 180-S

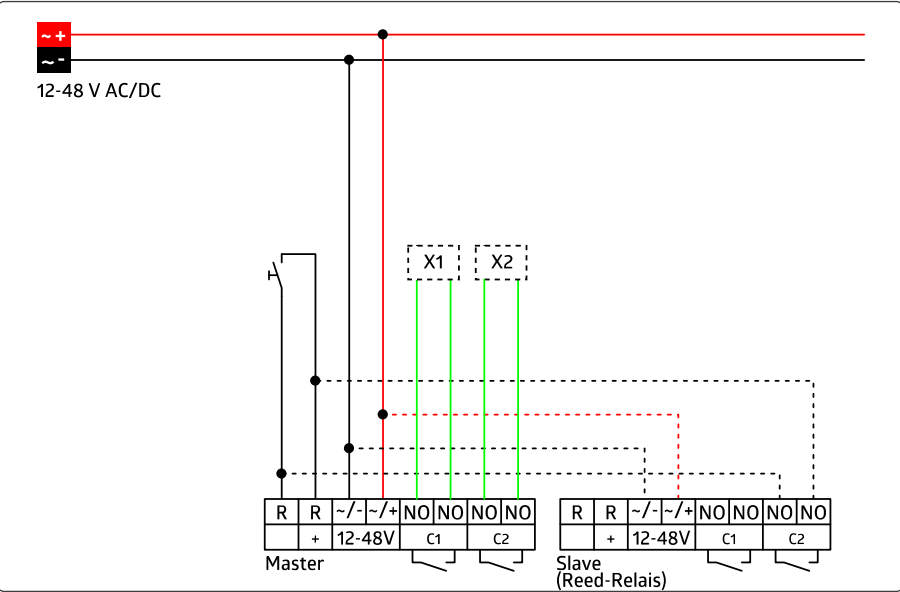
# Wiring diagrams



■ PD4-M-2C-DS

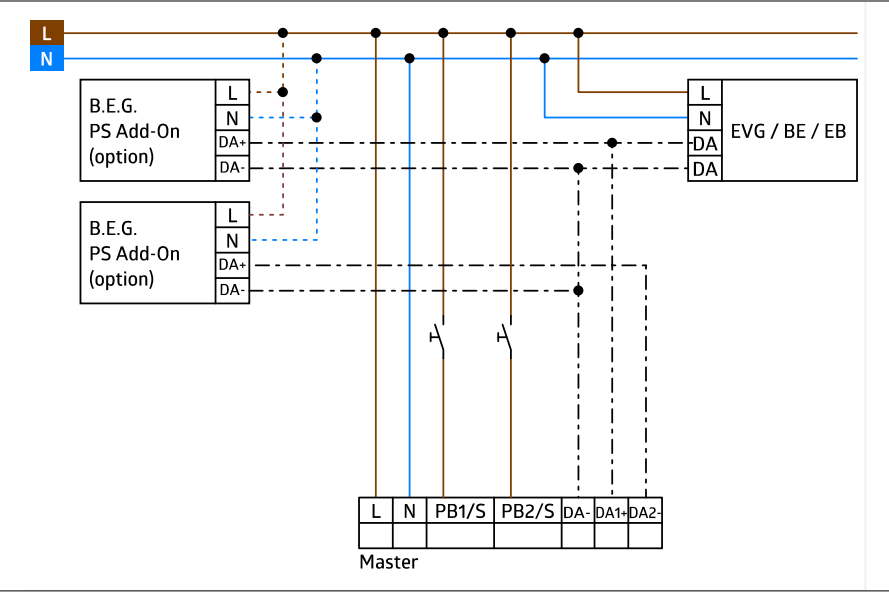
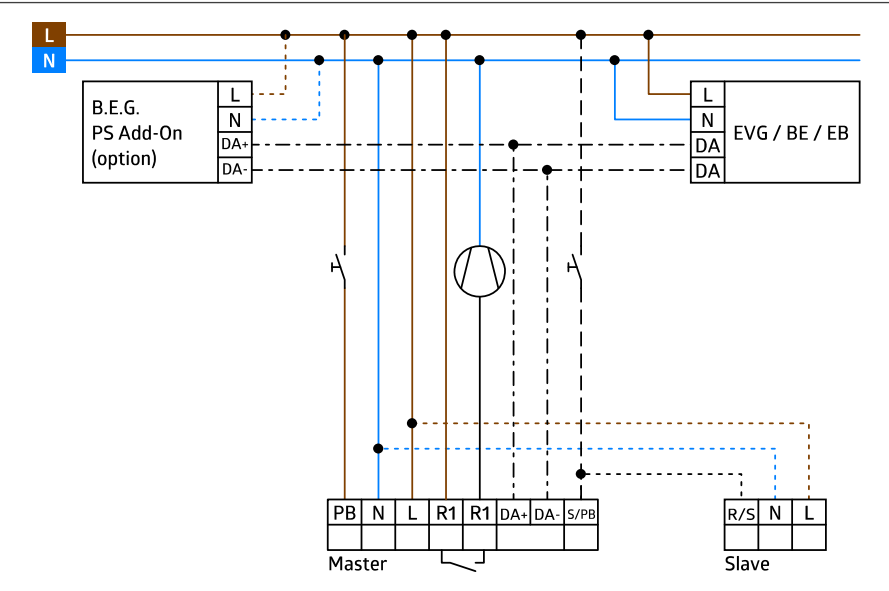
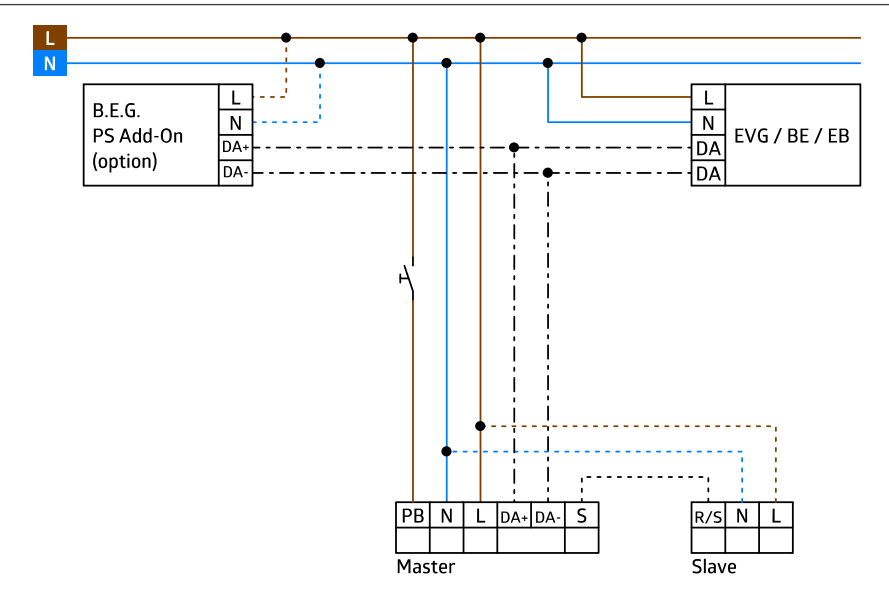


■ PD4-M-3C-TRIO

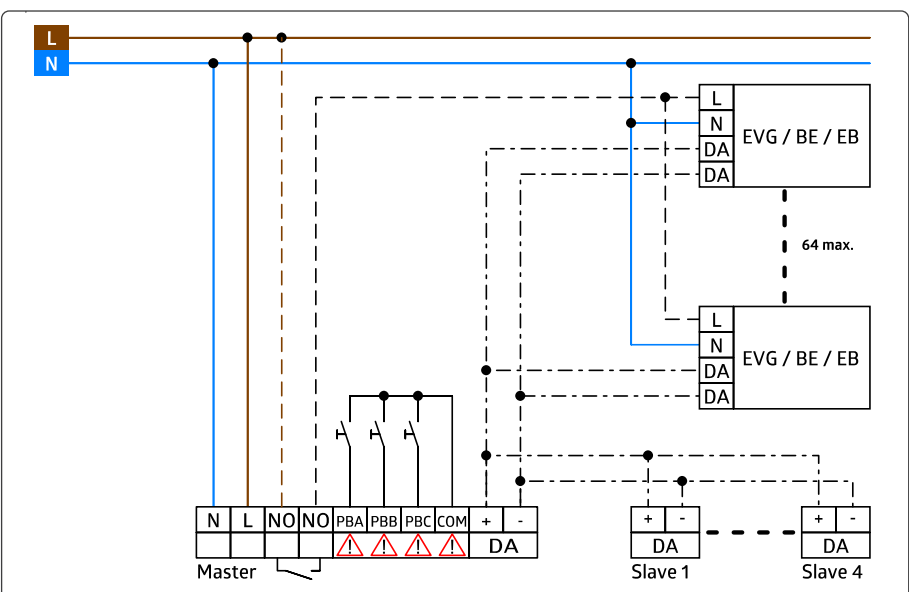
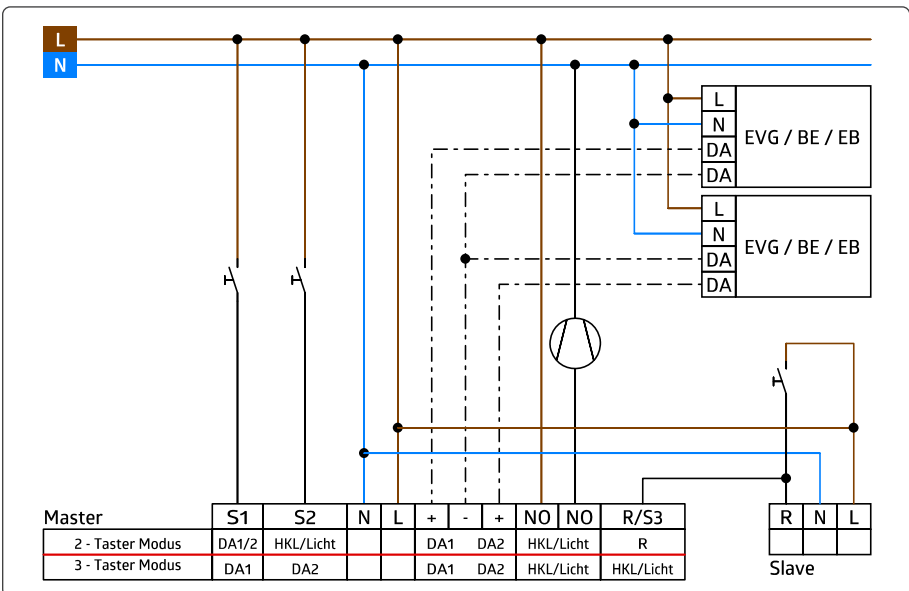
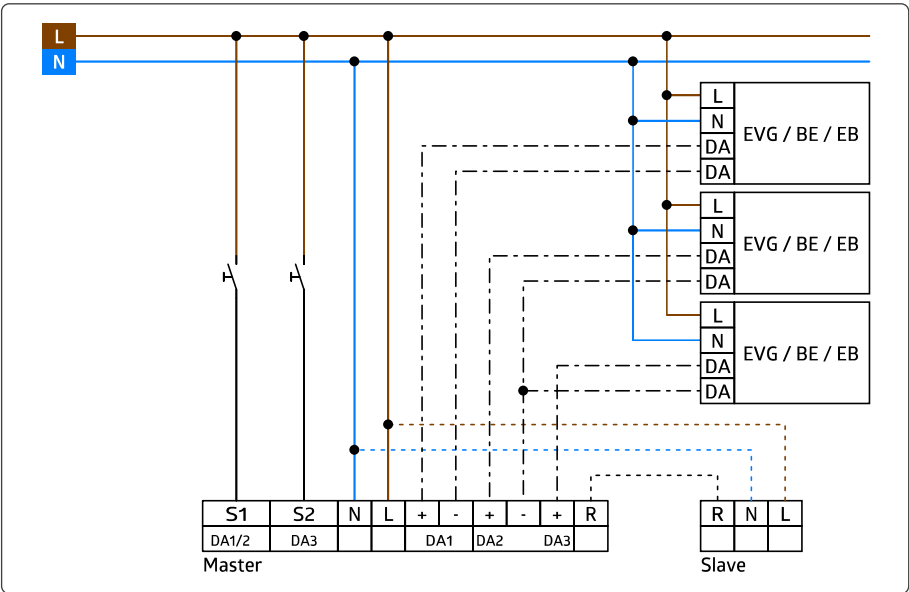


- PD2-M-2C-12-48V-3A
- PD2-M-2C-12-48V-RR

# Wiring diagrams

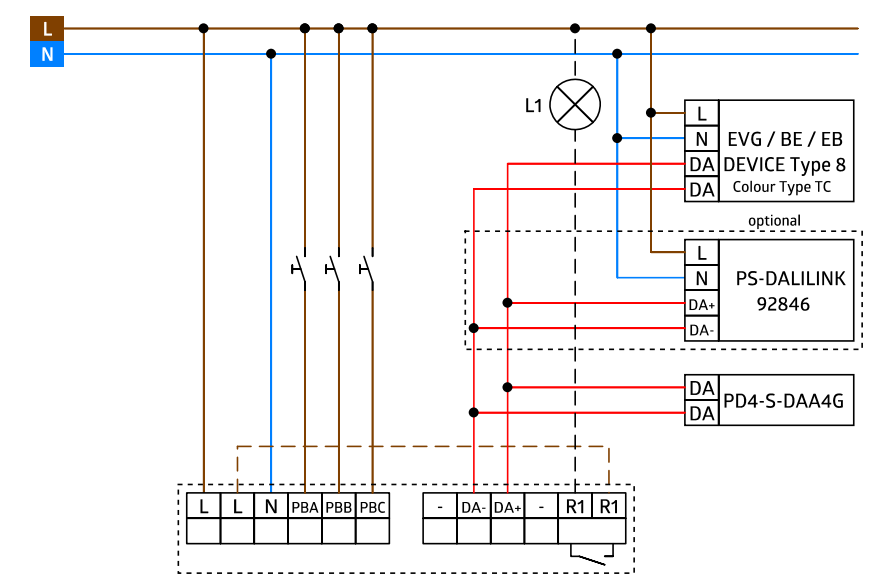


# Wiring diagrams

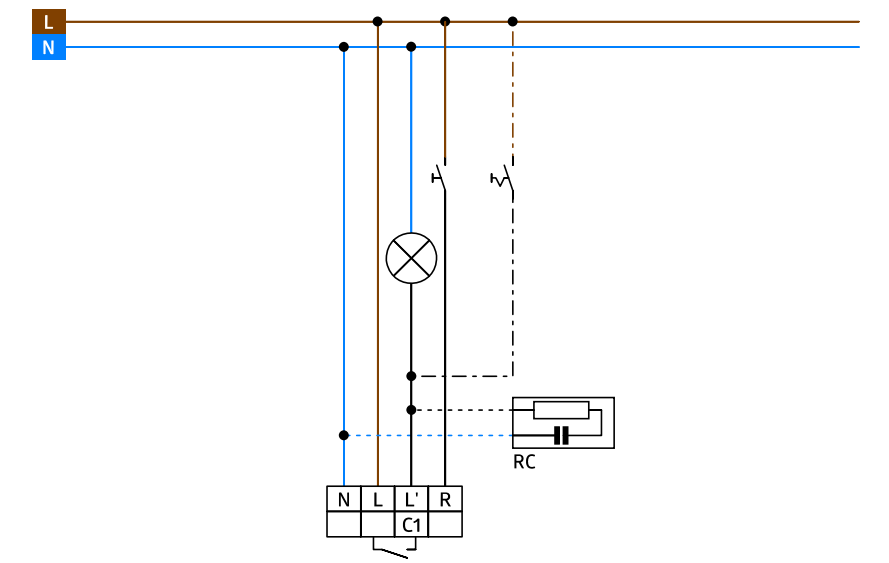




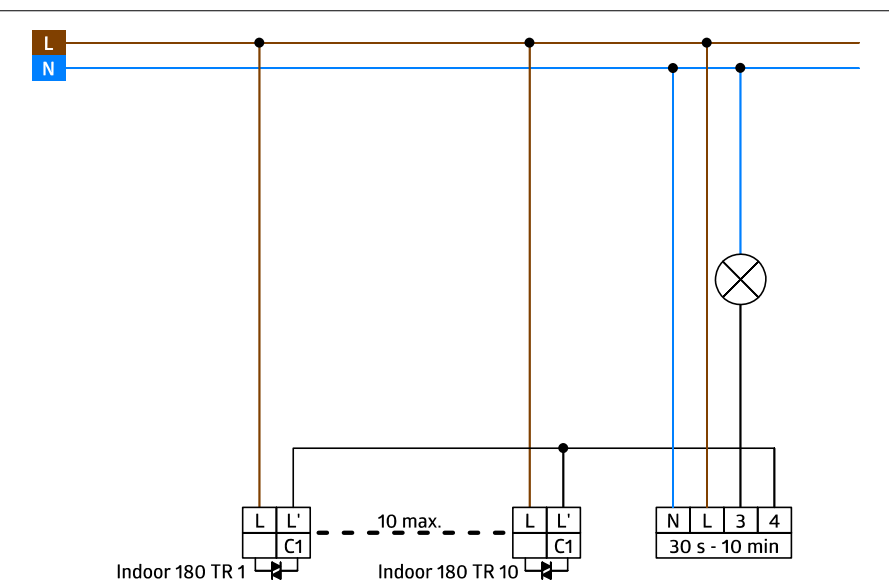
# Wiring diagrams



■ PD4-M-HCL2

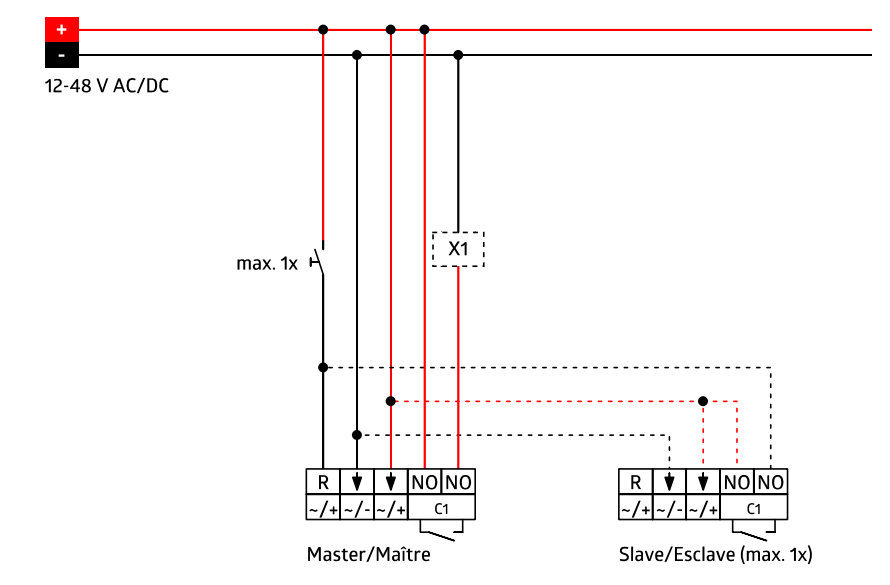


- Indoor 180-R
- Indoor180N-M-1C
- IndoorHF-M-1C

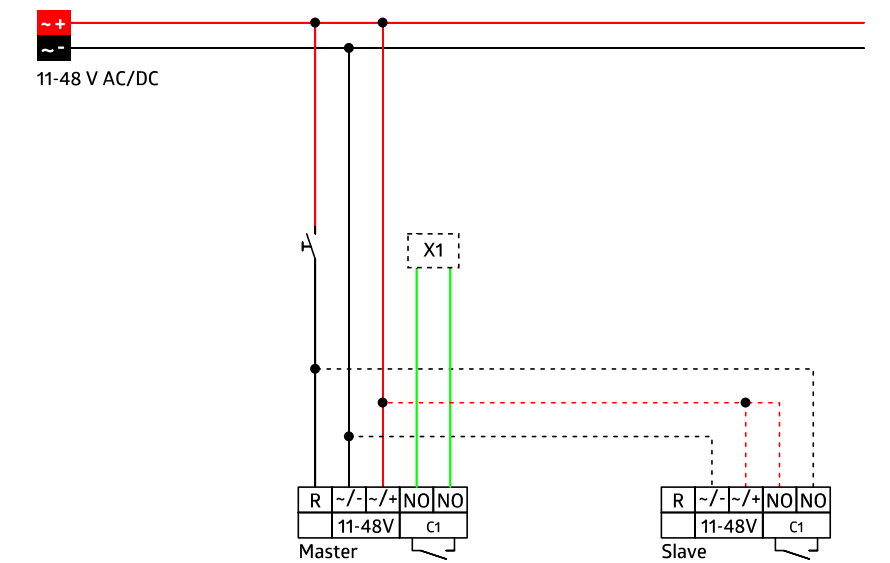


■ Indoor 180-TR

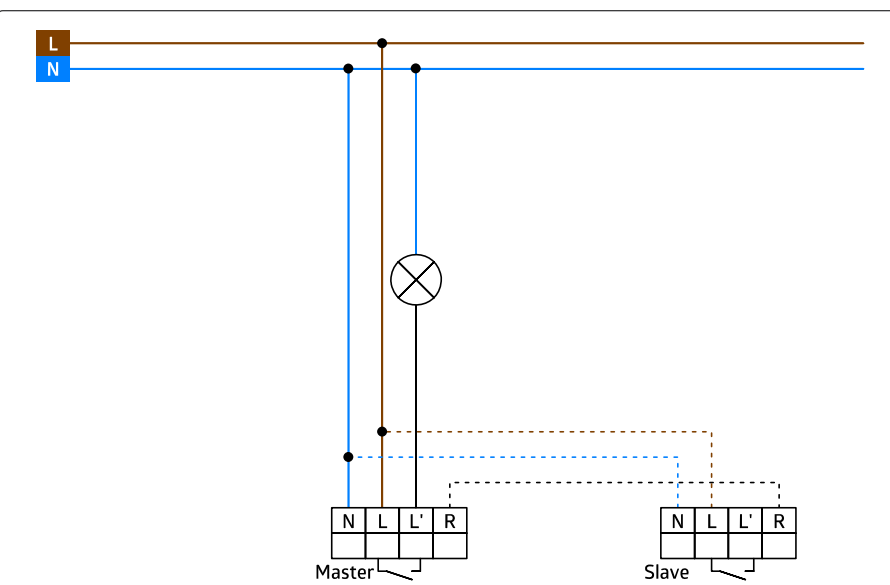
# Wiring diagrams



■ Indoor 180-R-11-48V-3A

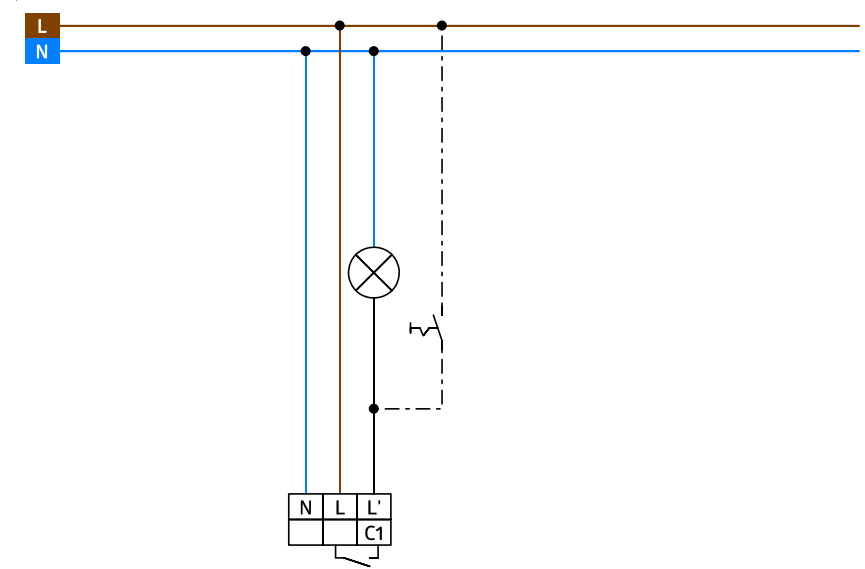


■ Indoor 180-R-11-48V-RR

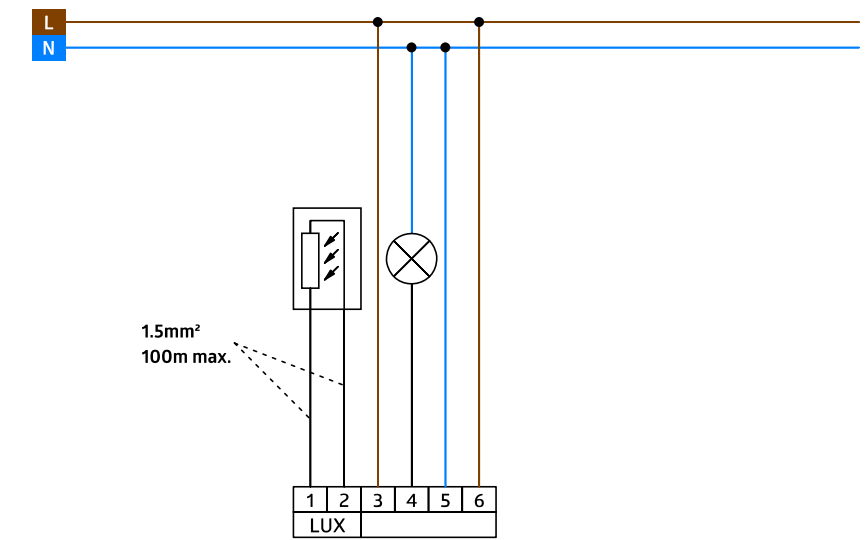


■ Indoor 140-L

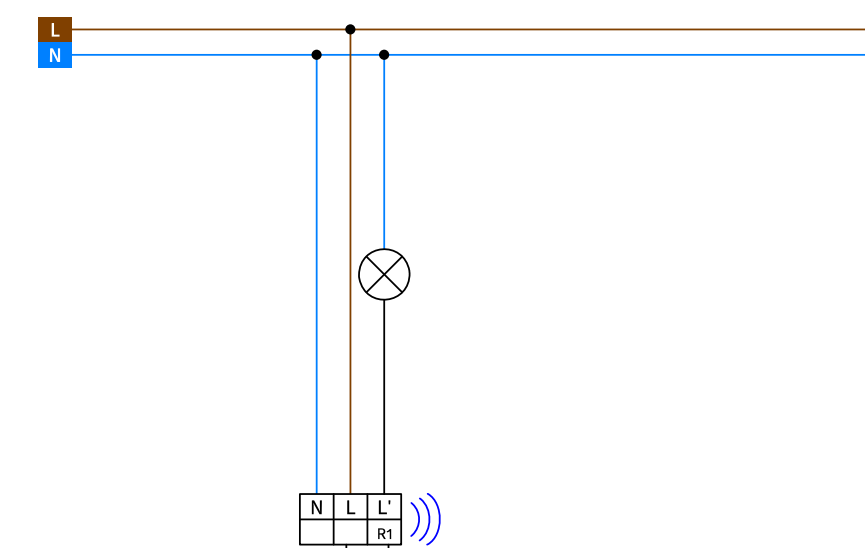
Wiring diagrams



- CdS-T-SM
- CdS-SM
- CdS-FC
- CdS-R

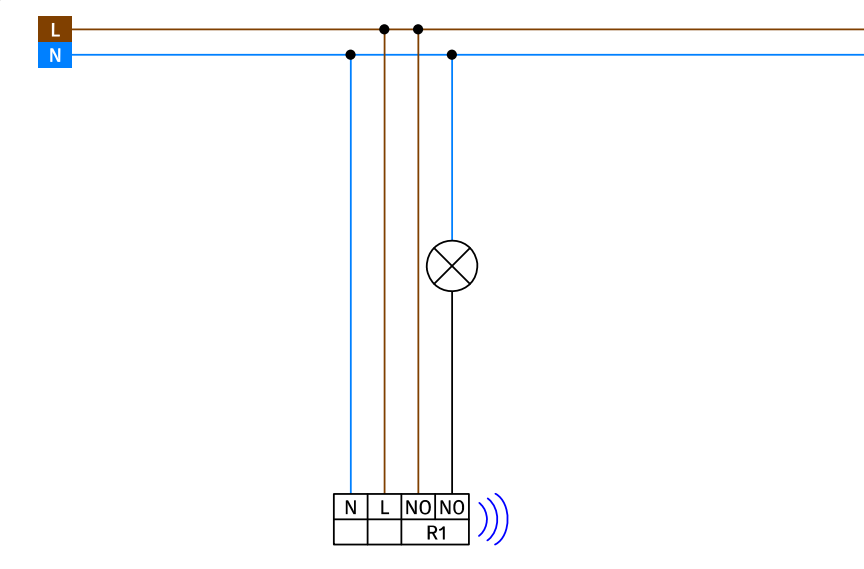


- TS-DD

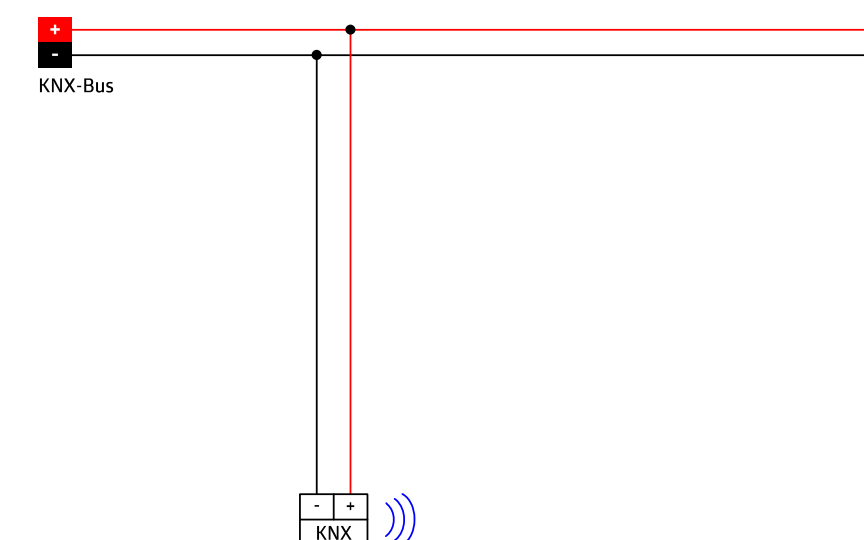


- SA1-230 / 16 / H / RF-KNXs

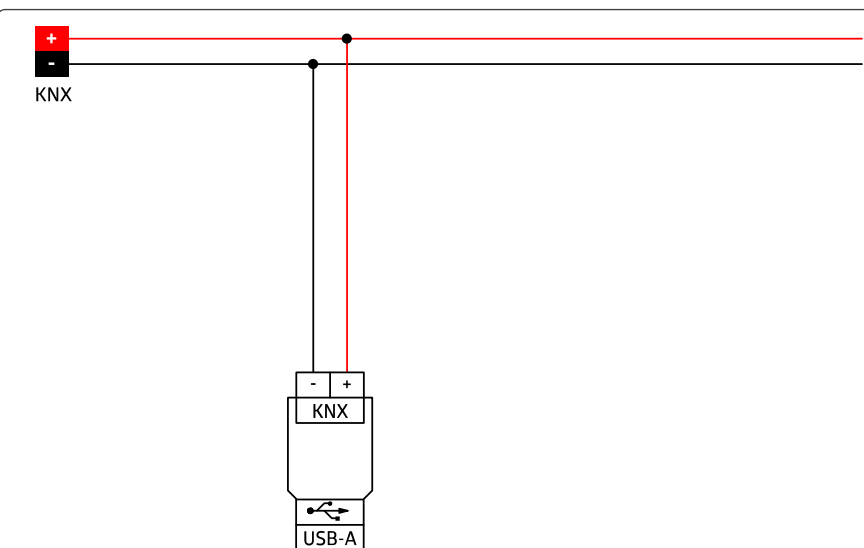
Wiring diagrams



- PD2N-RF-KNXs-DX



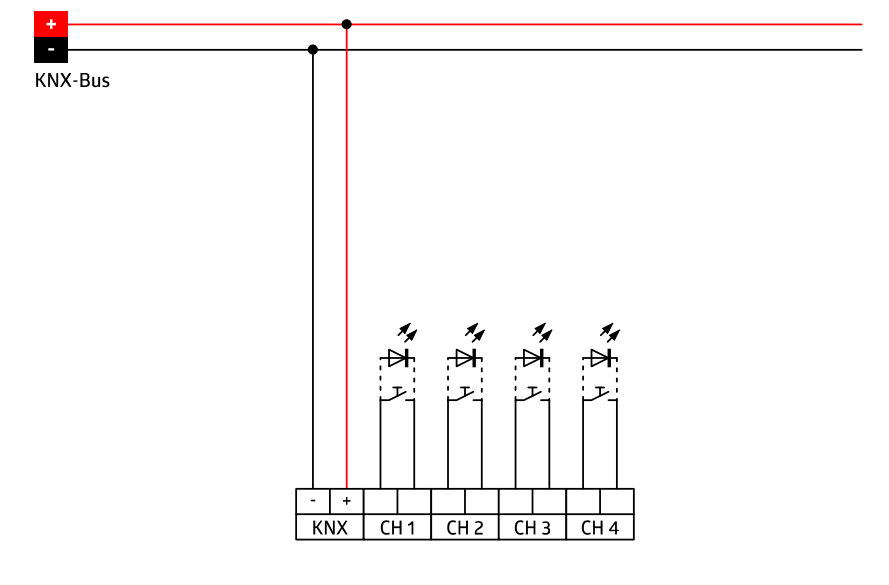
- LK-RF/KNXs



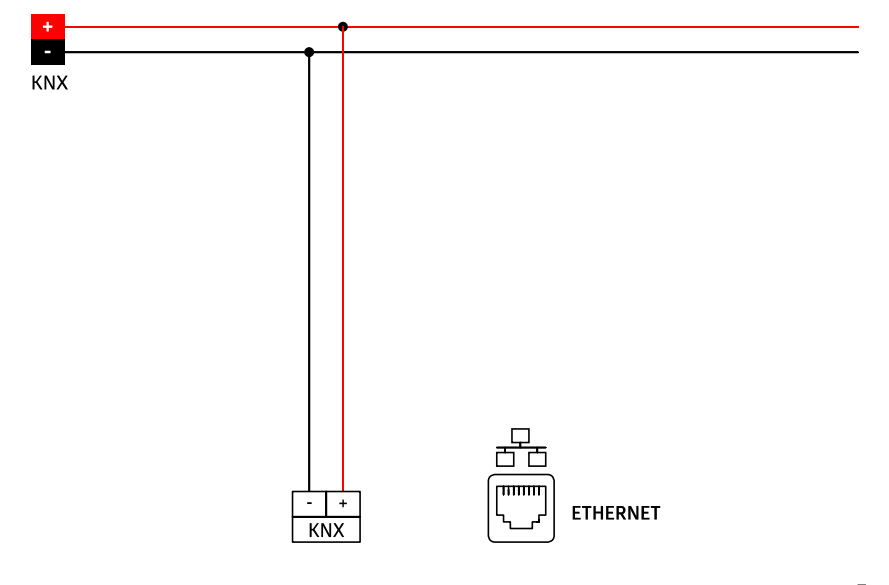
- USB-Stick-IF/KNX



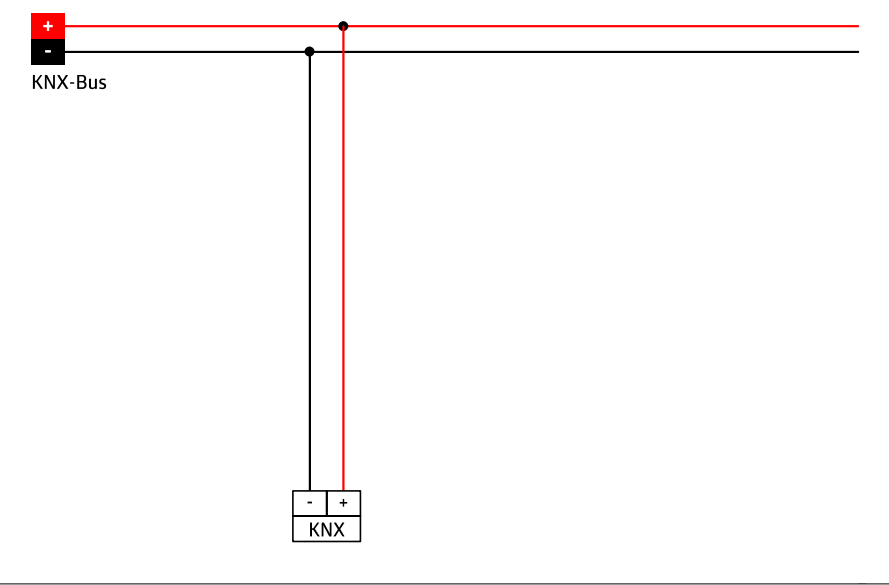
# Wiring diagrams



■ PBM-KNXs-DX-4W

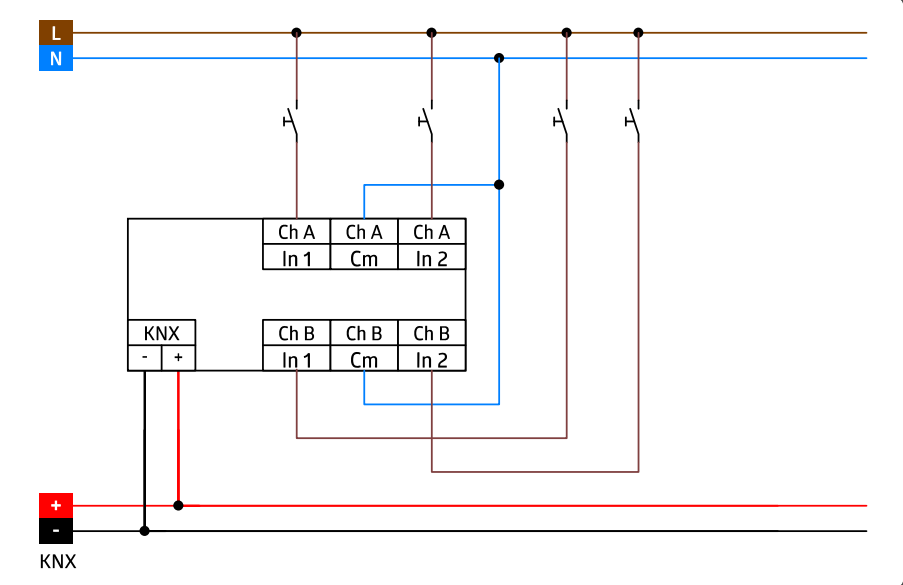


■ LK-IP/KNXs REG

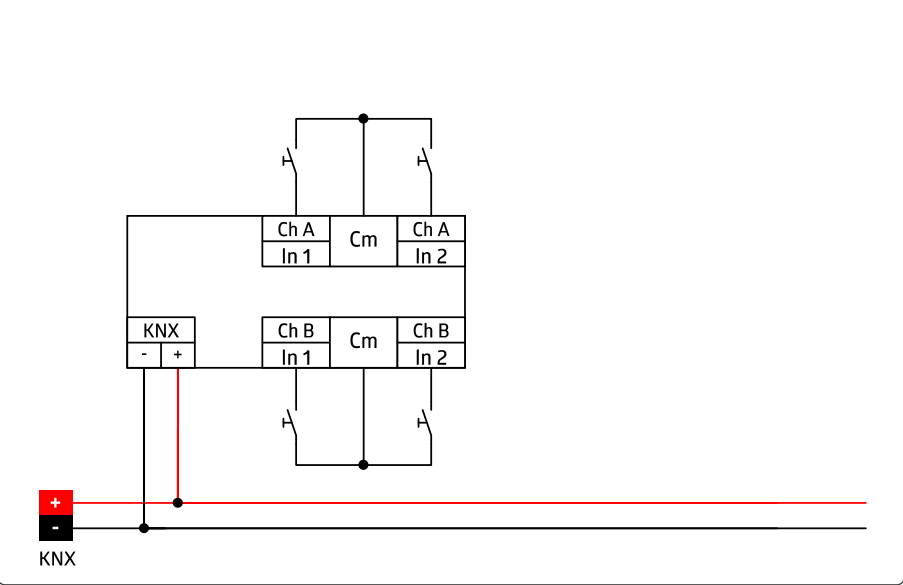


- WS-VOC-HVAC-KNX
- PD2N-KNXs-BA
- PD2N-KNXs-ST
- PD2N-KNXs-DX
- PD2N-KNXs-OCCULOG-DX
- PD4N-KNXs-BA
- PD4N-KNXs-ST
- PD4N-KNXs-DX
- PD4-KNXs-GH-DX
- PD5N-LAMELLA-KNXs-DX
- PICO-KNXs-ST
- PICO-KNXs-DX
- PD9-KNXs-DX
- PD9-KNXs-GH-DX
- PD11-KNXs-FLAT-ST
- PD11-KNXs-FLAT-DX
- Indoor 180-KNXs-ST
- Indoor 180-KNXs-DX
- RC-plus next N 230 KNXs-DX
- PB2-KNX-ST
- PB4-KNX-ST
- PB6-KNX-ST
- PB8-KNX-ST

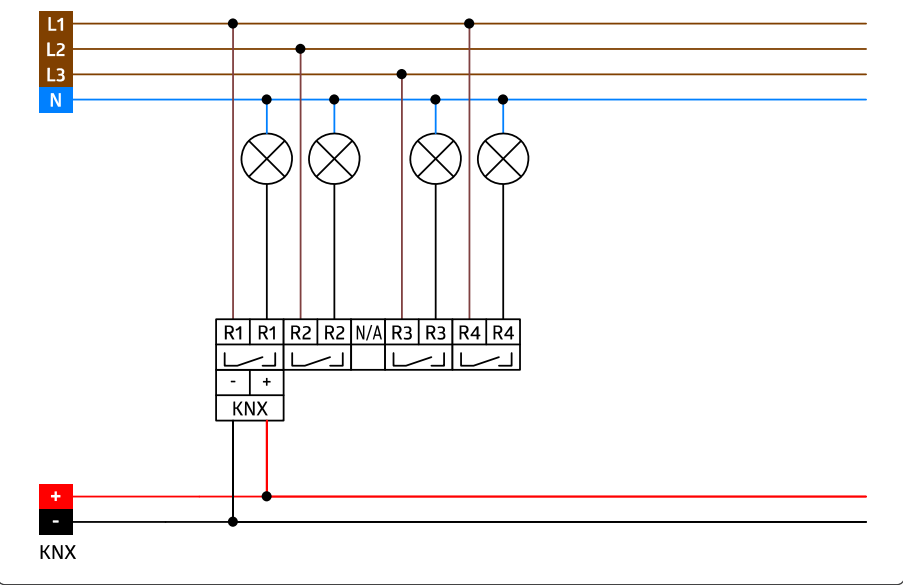
# Wiring diagrams



■ BIA4-KNXs REG

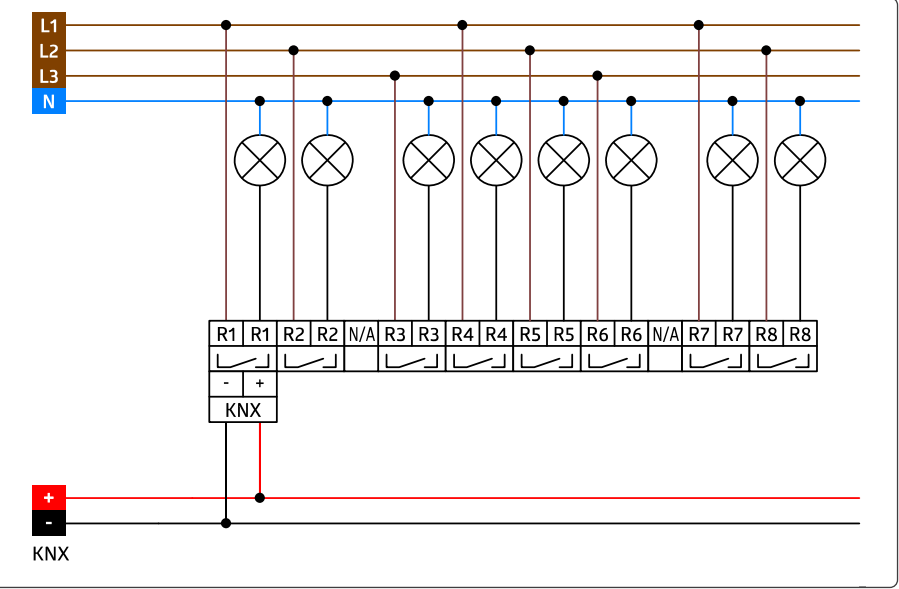


■ BIP4-KNXs REG

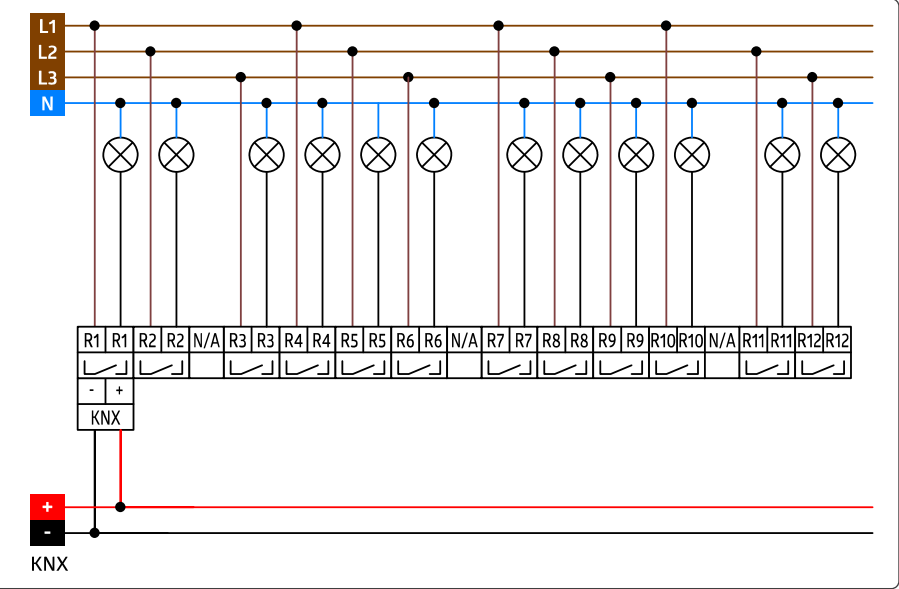


■ SA4 - 230 / 16 / H / KNXs REG

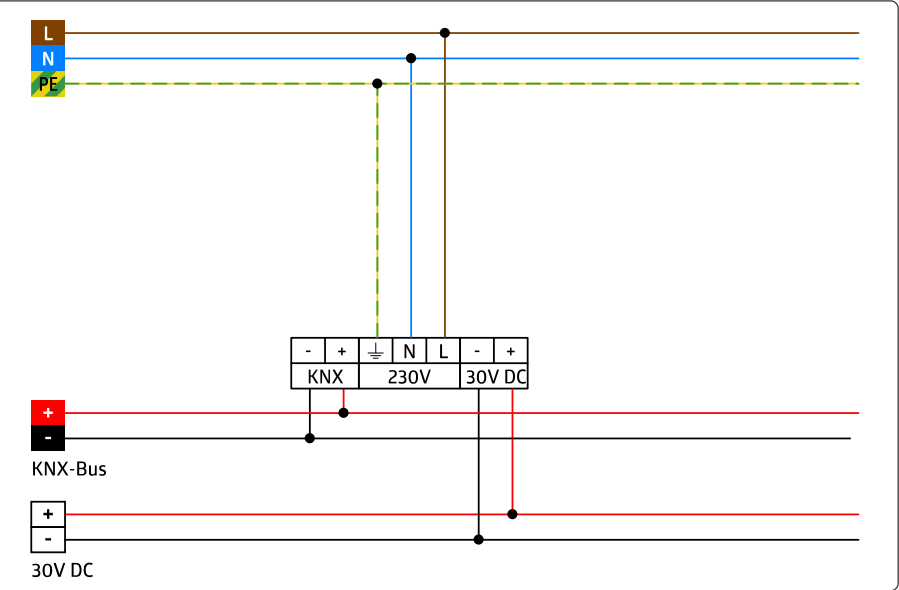
Wiring diagrams



SA8 - 230 / 16 / H / KNXs REG

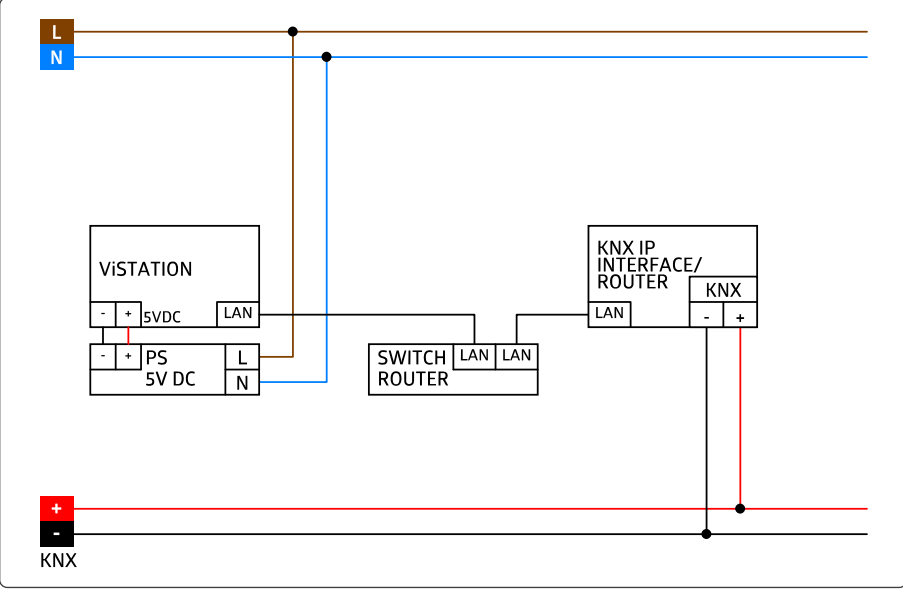


SA12 - 230 / 16 / H / KNXs REG

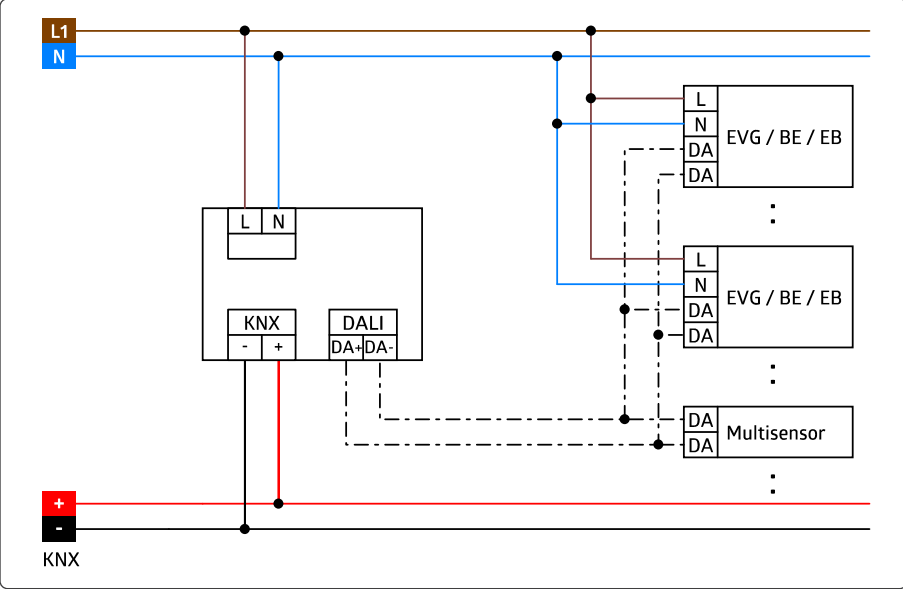


PSN-230/640/30/KNX REG  
PSN-230/1280/30/KNX REG

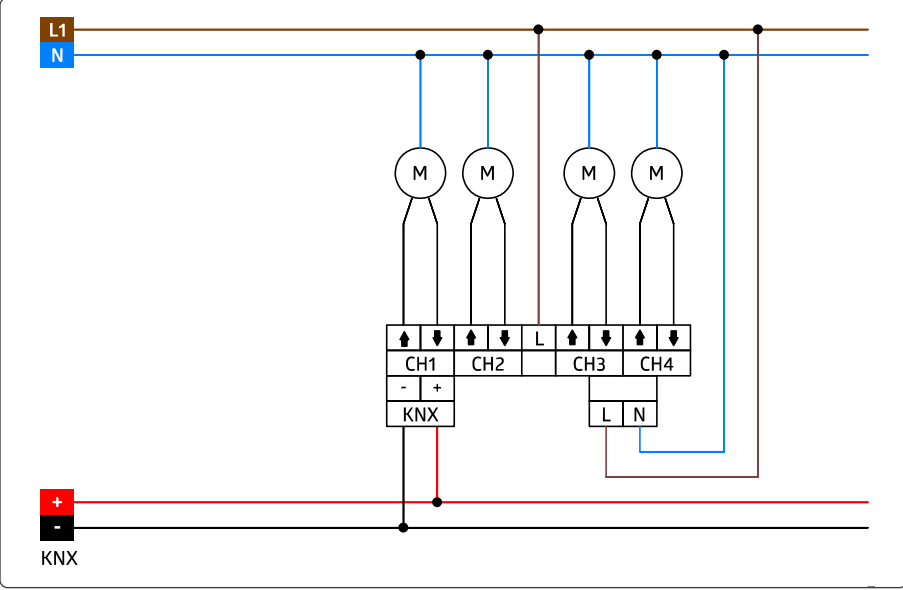
Wiring diagrams



ViSTATION



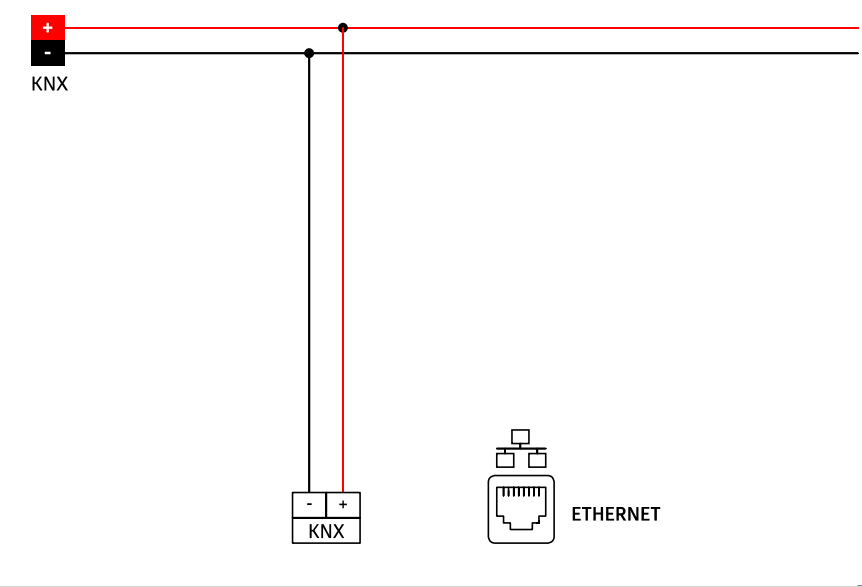
DA64-230/KNX REG  
DA64-230/KNX REG DALI-2



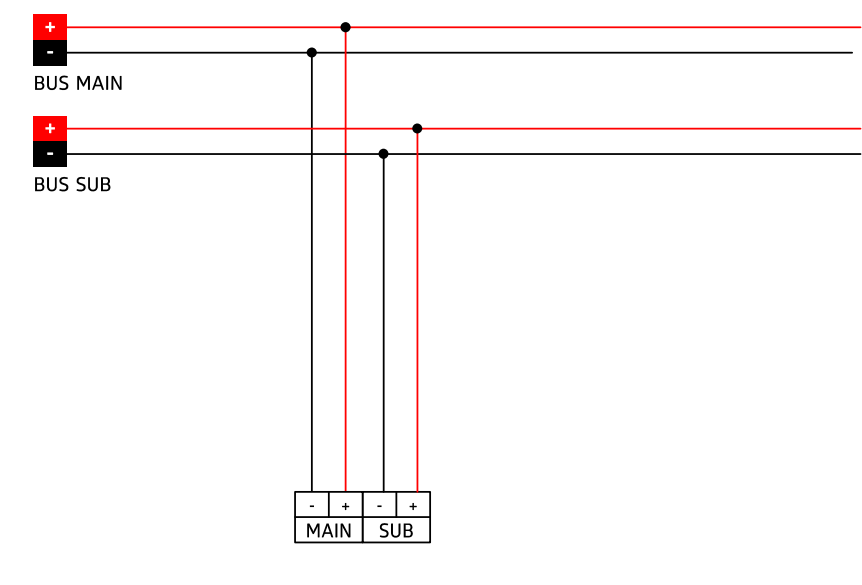
SBA4-230/10/H/KNX REG



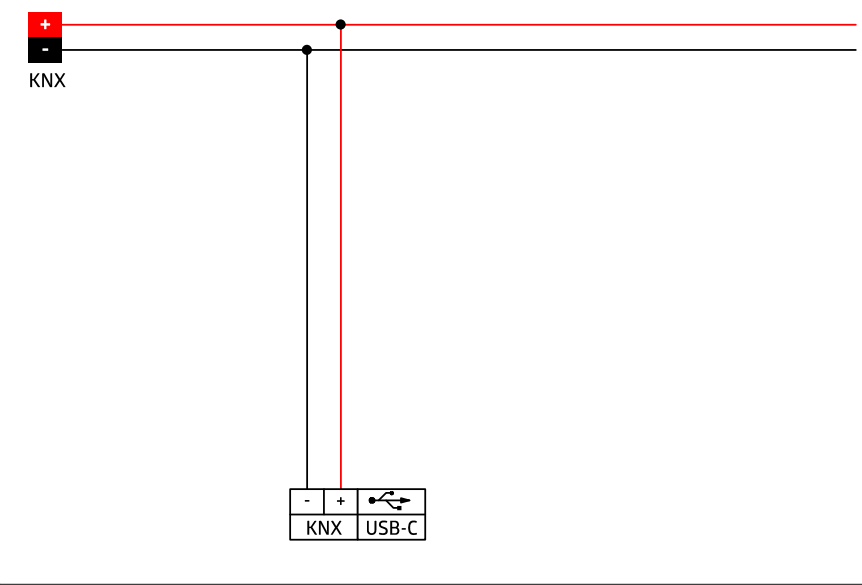
# Wiring diagrams



■ LAN-IF/KNXs REG

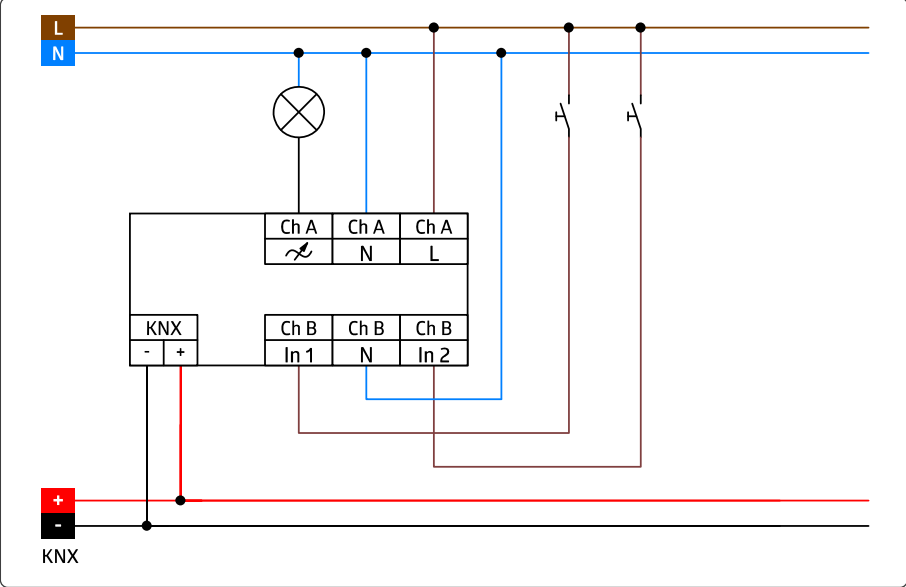


■ LK-TP/KNXs REG

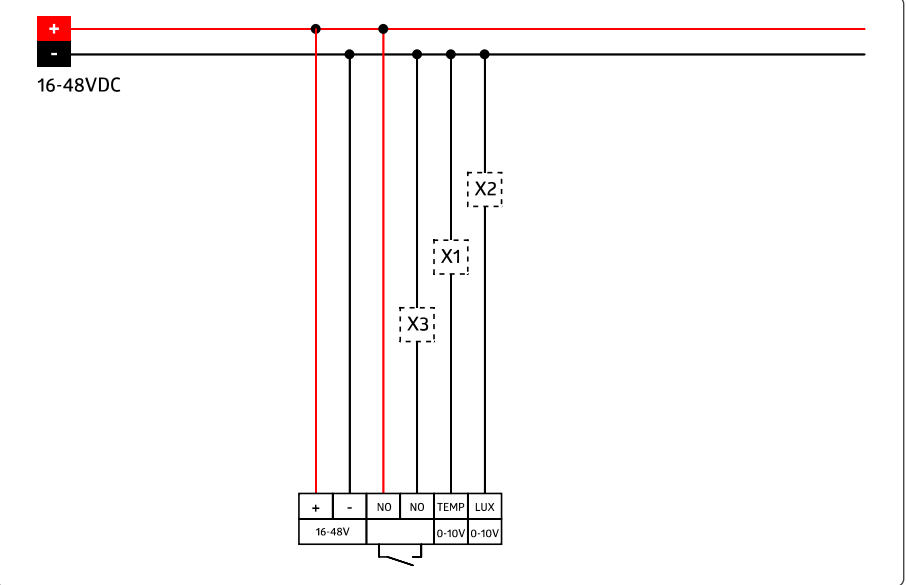


■ USB-C-IF/KNX REG

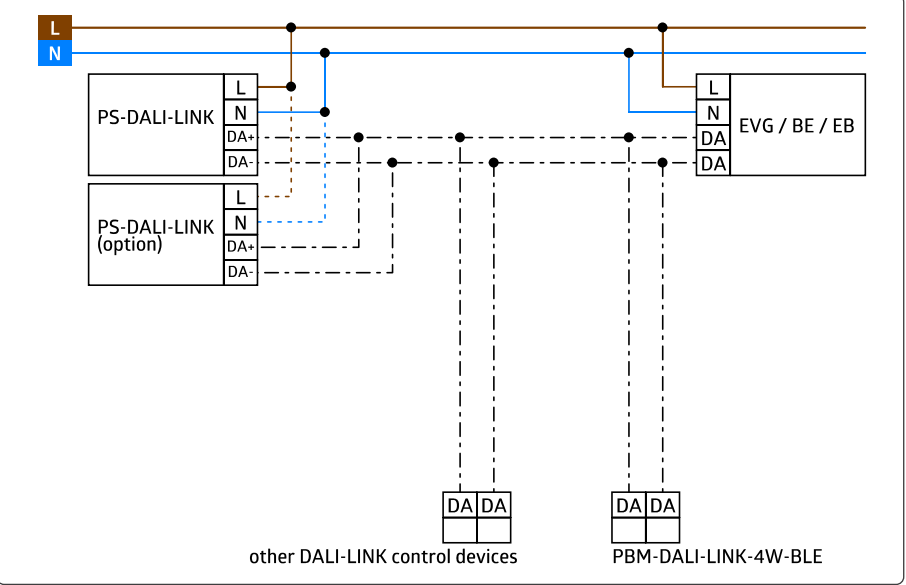
# Wiring diagrams



■ UAD1-230/KNXs REG

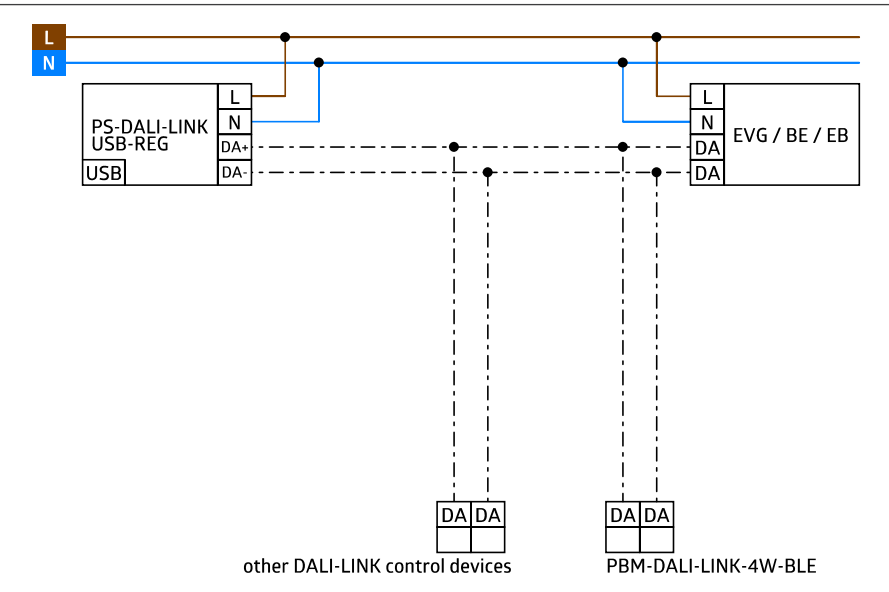


■ PD2N-LTMS  
■ PD2N-LTMS-RR  
■ PD4N-LTMS-RR  
■ PD11-LTMS-RR

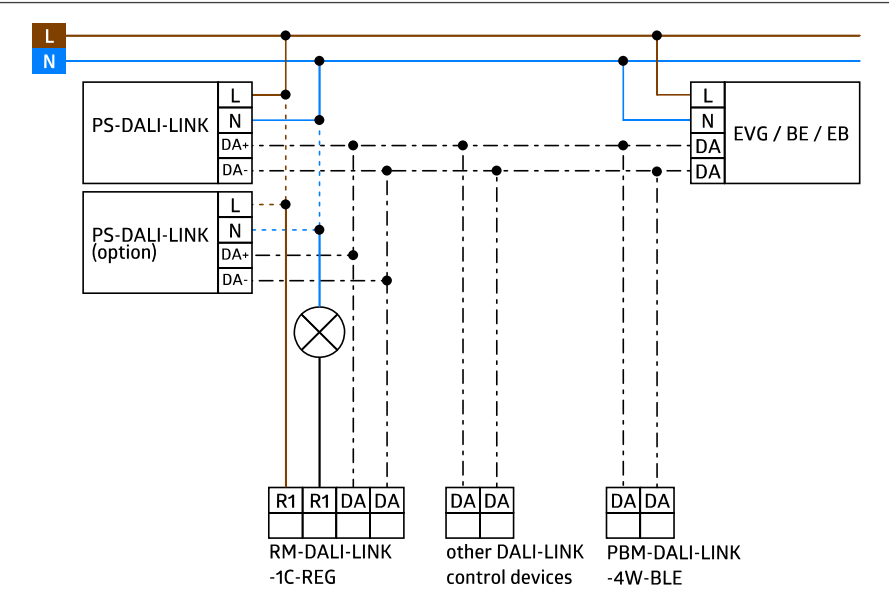


■ PD11-DALI-LINK-FLAT  
■ PBM-DALI-LINK-4W-BLE  
■ PD4N-DALI-LINK  
■ PBM-DALI-LINK-4W  
■ PICO-DALI-LINK  
■ PD4-DALI-LINK-GH  
■ PS-DALI-LINK-DE

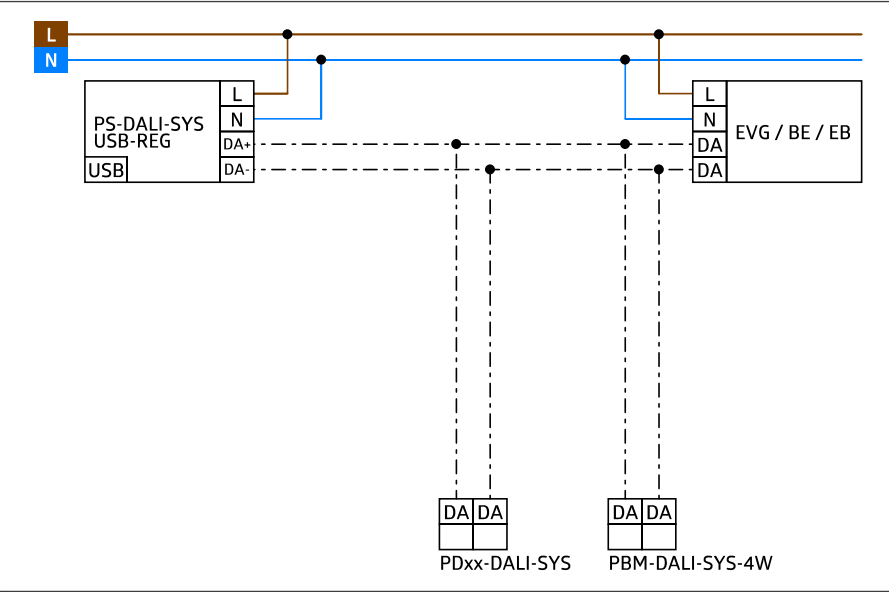
# Wiring diagrams



■ PS-DALI-LINK-USB-REG

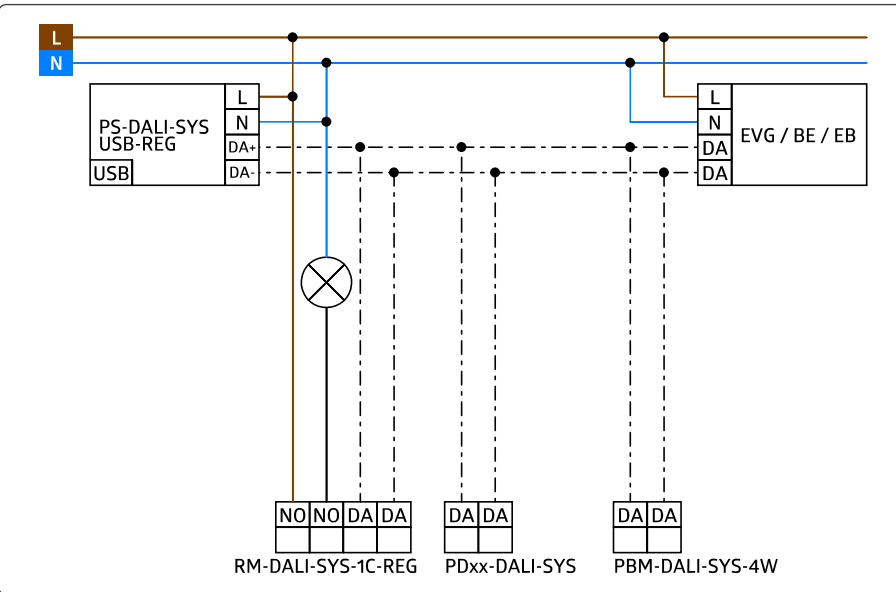


■ RM-DALI-LINK-1C-REG

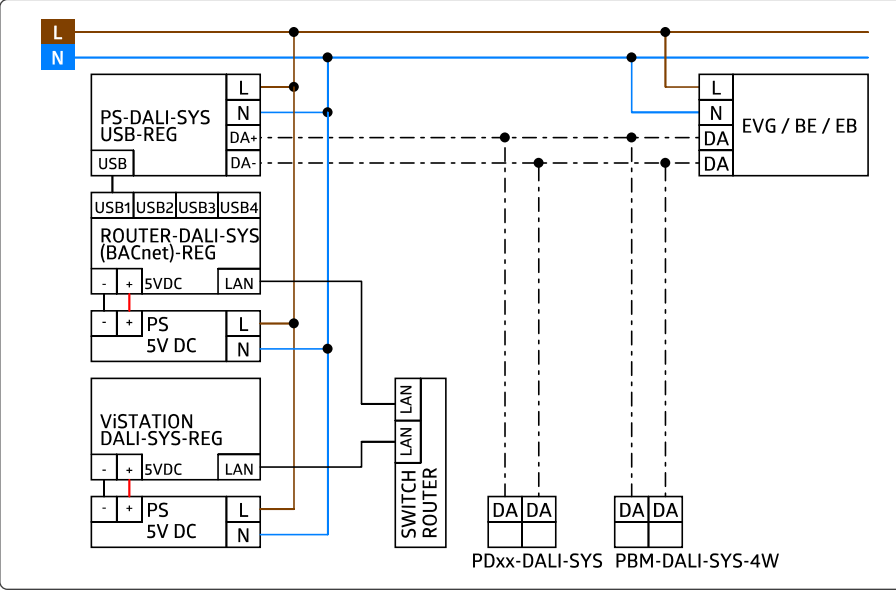


- PD11-DALI-SYS-FLAT
- PBM-DALI-SYS-4W
- PD2N-DALI-SYS
- PICO-DALI-SYS
- PD4-DALI-SYS-GH
- PD4N-DALI-SYS
- LC-plus-DALI-SYS
- PS-DALI-SYS-USB-REG

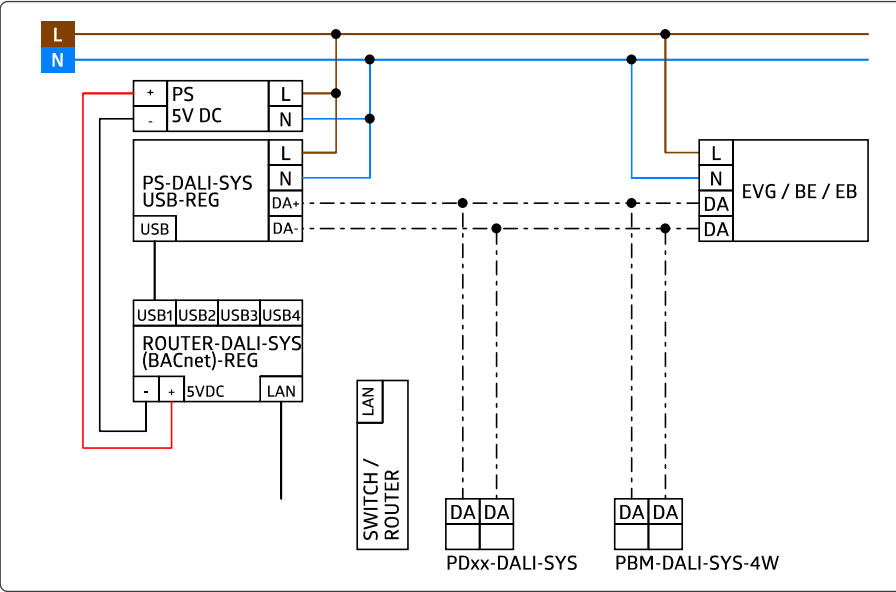
# Wiring diagrams



■ RM-DALI-SYS-1C-REG

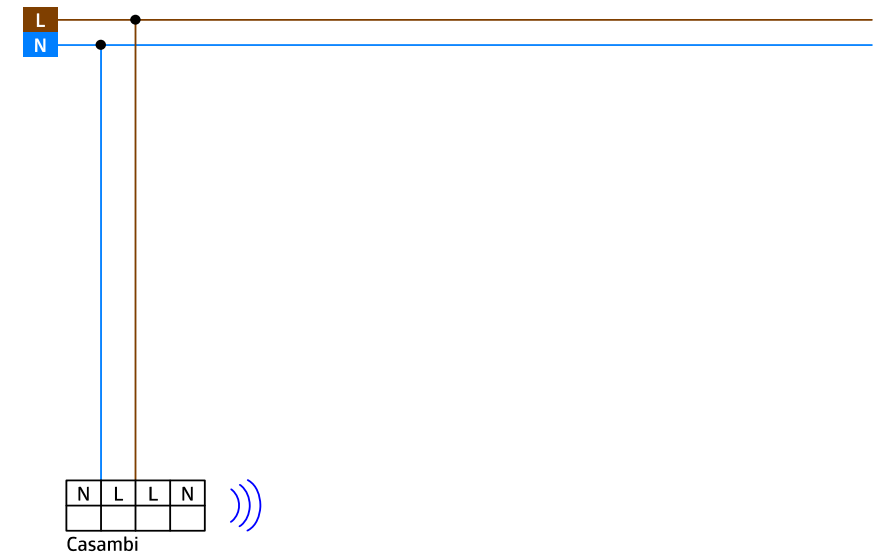


- ViSTATION-DALI-SYS-REG
- ROUTER2-DALI-SYS-BACnet-REG

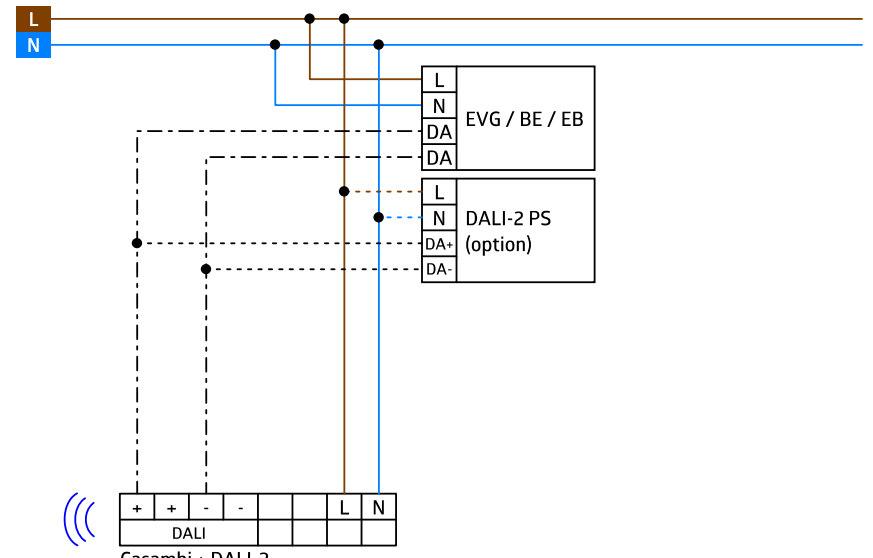


■ ROUTER2-DALI-SYS-REG

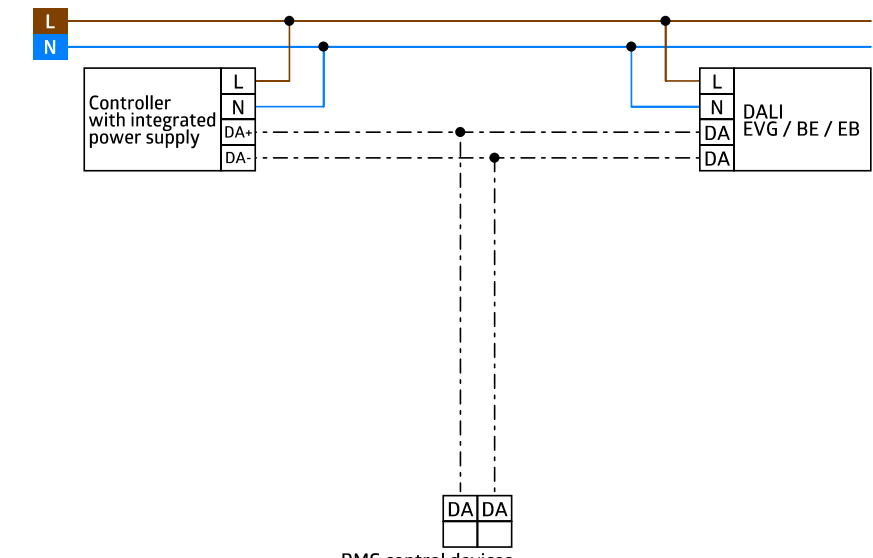
# Wiring diagrams



- PD4-CAS-GH
- PD4N-CAS
- PD2N-CAS

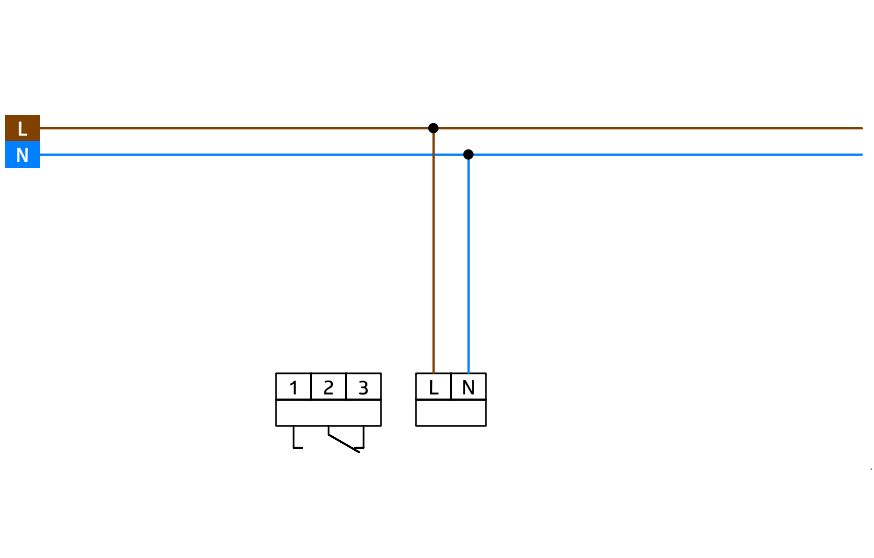


- PD4-CAS-GH DALI-2
- PD4N-CAS DALI2
- PD2N-CAS DALI-2

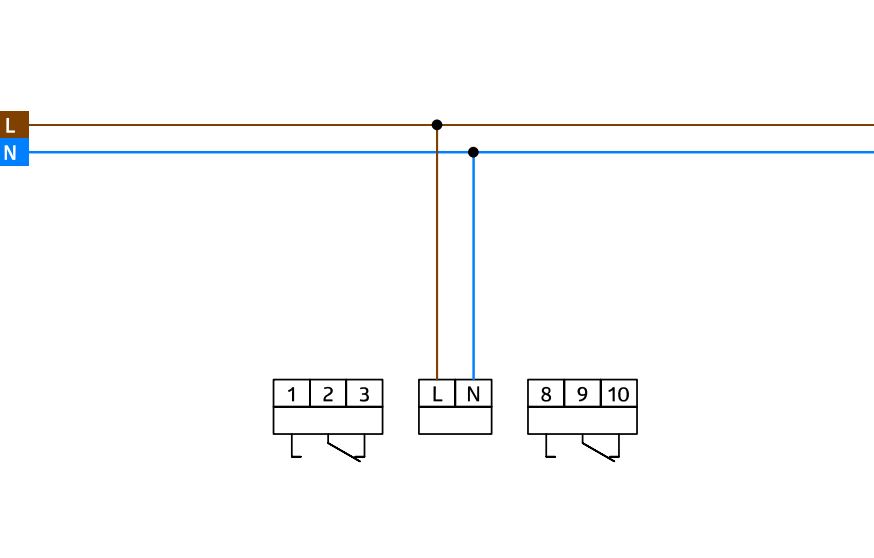


- PD2N-BMS-FC DALI-2
- PD5N-BMS-Lamella DALI-2
- PD4N-BMS DALI-2
- PD4-BMS-GH-SM DALI-2
- PICO-BMS DALI-2
- PD11-BMS-FLAT-FC DALI-2
- Indoor 180-BMS DALI-2
- LC-Mini 120-BMS DALI-2

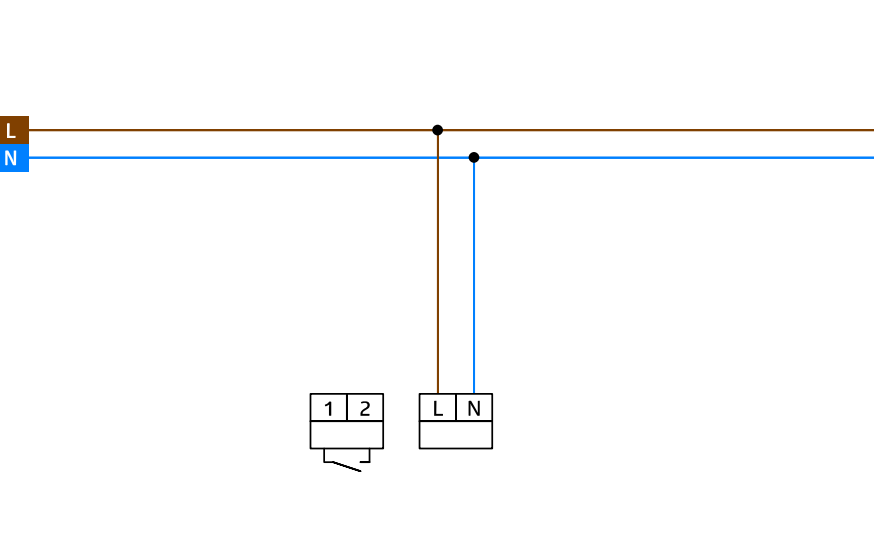
# Wiring diagrams



- TS-DW1
- TS-DW-2-NFC
- TS-ASTRO-2-NFC
- TS-ASTRO-4-BLE
- TS-DY1
- TS-AD3
- TS-AD4



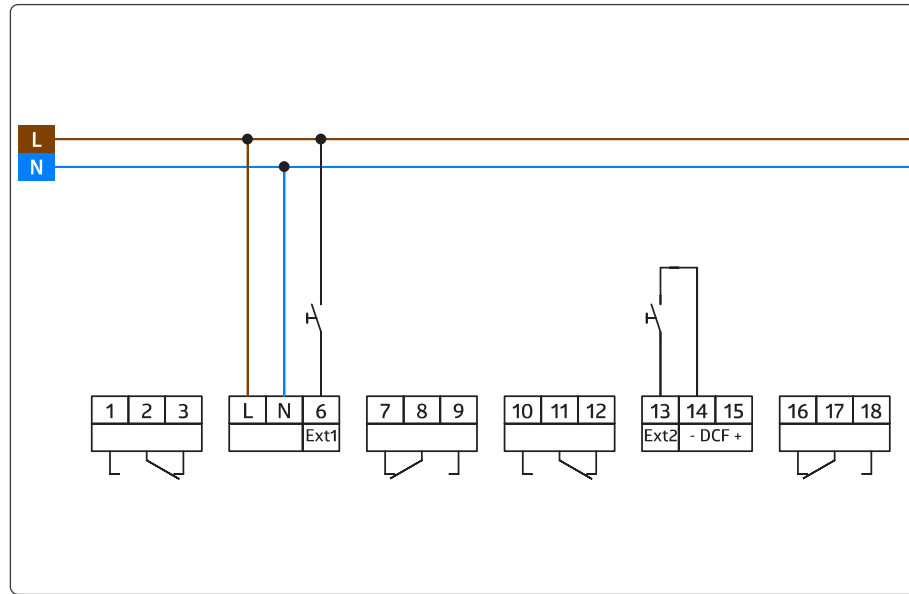
- TS-DW-3-NFC
- TS-ASTRO-5-BLE



- TS-ASTRO1
- TS-AD1
- TS-AD2



# Wiring diagrams



■ TS-DY2



Feel comfortable in your building

## OPTIMISED TIME MANAGEMENT WITH NFC



More comfort thanks to automatic light switching

- Set up via free app using NFC (Android and iOS) or on the device itself, no mains connection required
- The settings can be checked on the LCD display.
- Low power consumption of only 0.2 W
- 10-year power reserve, replaceable battery (CR2032).
- Connections for the switching channel (potential-free changeover contact) and the power supply are located on the same side of the series-mounted device.

Time switches configurable via NFC using an app





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