INT

50 YEARS est. 1975

B.E.G.

Feel comfortable in your building

General catalog 2026



ENVIRONMENT

KNX CASAMBI Digital Illumination Interface Alliance

beg-luxomat.com

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KNX®

CASAMBI

DALI® Alliance

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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



50 YEARS OF INNOVATIVE SPIRIT AND QUALITY

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.

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_2 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.

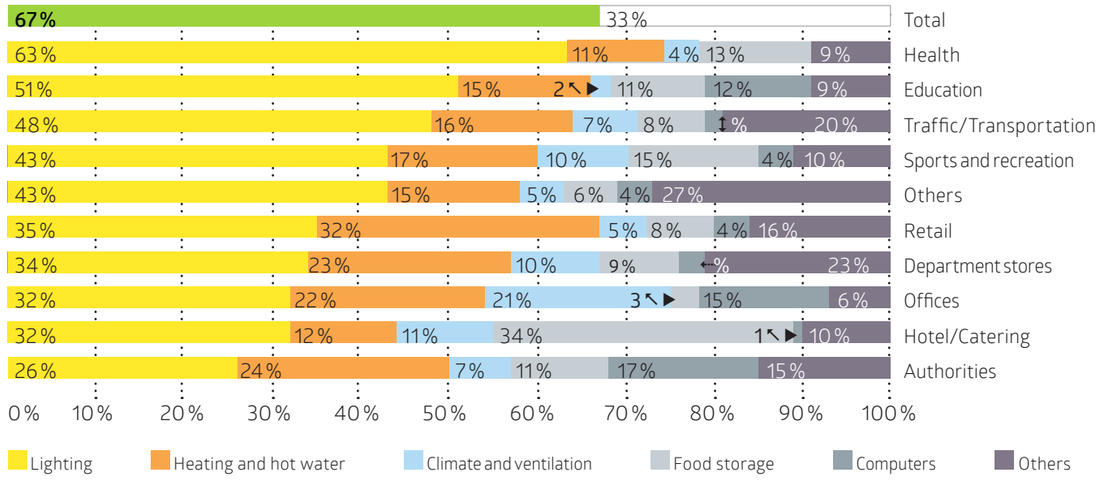
Energy independence with B.E.G.

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

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_2 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 settings. 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.

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.

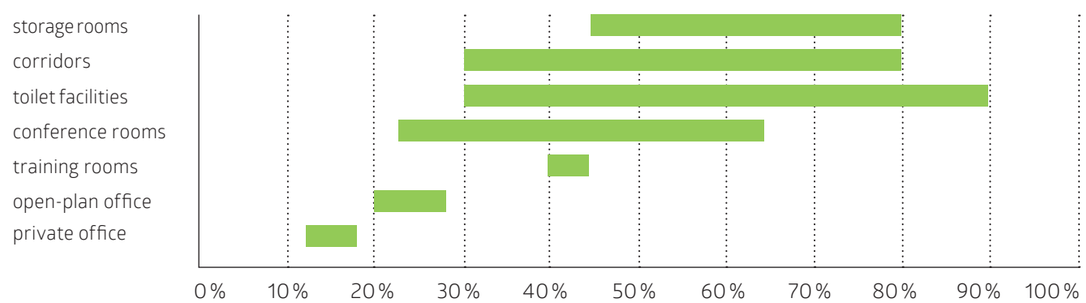
The aim in developing our B.E.G. motion and presence detectors is to switch lighting on and off as required and to achieve maximum energy savings, safety, and comfort. Artificial lighting is only used where it is needed, i .e., where building users are present.B.E.G. presence detectors continuously measure 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 11 kg CO_2 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.

Opportunities for energy and cost reduction with presence detectors Energy saving potential



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


Industries / Branches


School classes


Gymnasiums

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_2 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.

B.E.G. solutions at a glance



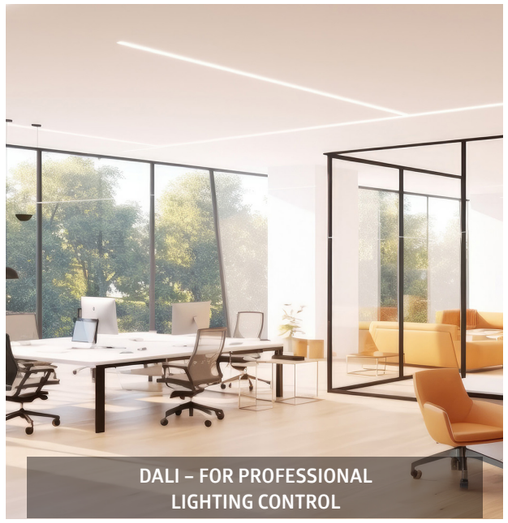
KNX – THE SUSTAINABLE SOLUTION FOR BUILDING AUTOMATION

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



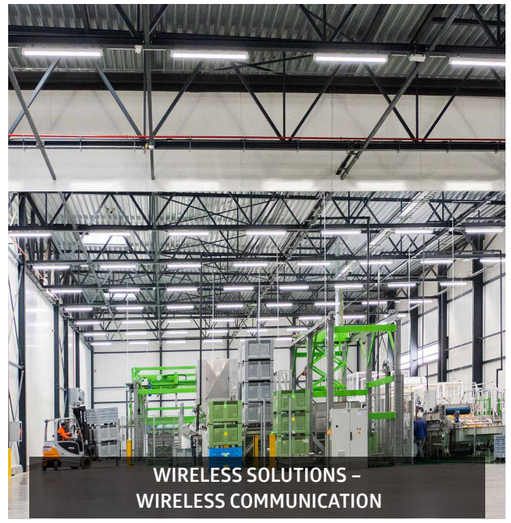
BUILDING MANAGEMENT SYSTEM – CROSS-SYSTEM BUILDING AUTOMATION

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

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

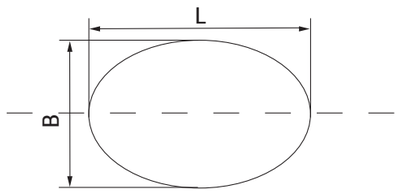
Range (circular detection area) at T=18°C			
Mounting height	seated activity	walking transversal	walking directly towards the detector
2 m	Ø 5 m	Ø 17 m	Ø 6 m
2.5 m	Ø 6 m	Ø 24 m	Ø 8 m
3 m	Ø 8 m	Ø 29 m	Ø 10 m
3.5 m	Ø 9 m	Ø 34 m	Ø 11 m
4 m	–	Ø 39 m	Ø 14 m
5 m	–	Ø 48 m	Ø 16 m
10 m	–	Ø 48 m	Ø 16 m

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

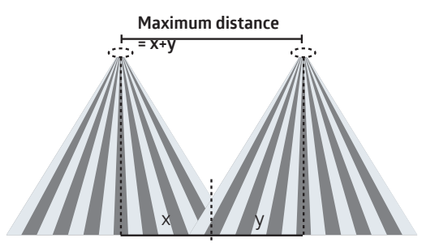
Range (horizontal detection area) at T=21°C					
			walking directly towards the detector	walking transversal	Anti-creep protection
Min. / Max.	MIN	2.5 m	r = 1 m	r = 3 m	r = 3 m
	50		r = 3 m	r = 10 m	
	MAX		r = 5 m	r = 16 m	

Detector positioning



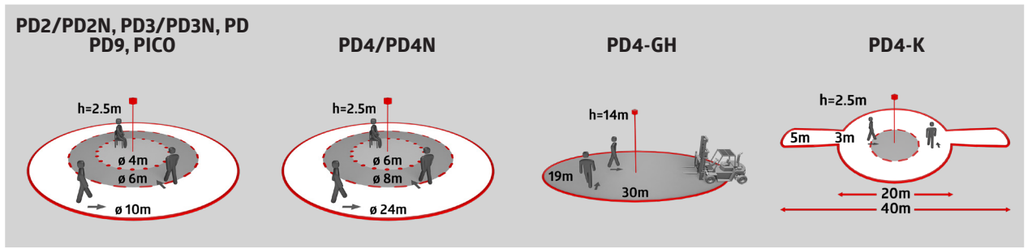
Maximum motion detection is achieved when walking across the detector, not when walking directly towards it. This should be taken into account, especially for corridors.

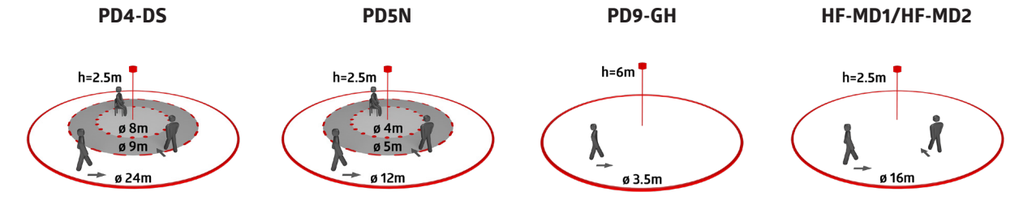
Detector spacing

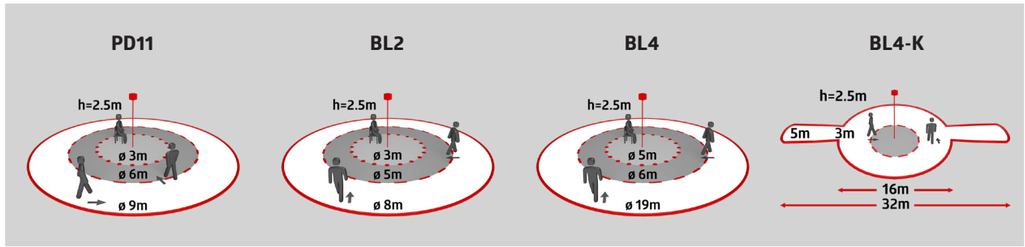


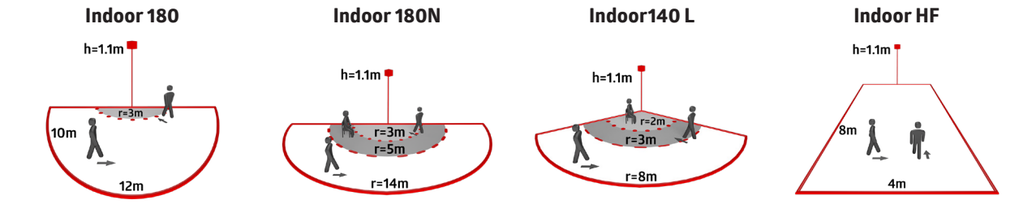
To rule out possible 'dead zones', detection areas may overlap.

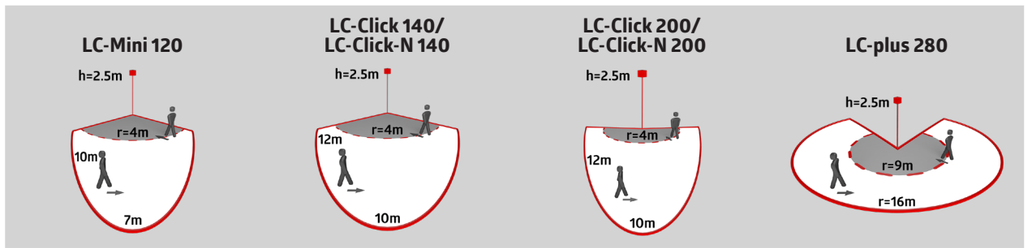
Range overviews

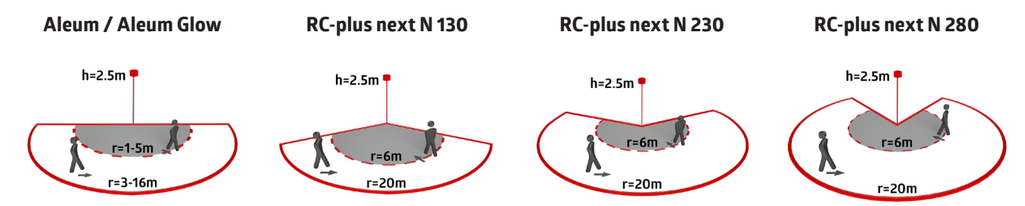












Sensor overview Outdoor

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		PS	LV	LTMS	S	DACO®	BMS	DALI-LINK	DALI-SYS	KNX	CASAMBI
Aleum / Aleum Glow – 180°, PIR, max. r=16m, 400m², IP54																												
	■		■					■						■	□ 93132 ■ 93134									□ 93555 ■ 93556				
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°															**130°**													
	■										■				□ 93321 ■ 93323 ■ 93324													
230°															**230°**													
	■										■				□ 93331 ■ 93333 ■ 93334 ■ 93346												□ 93527 ■ 93528	
280°															**280°**													
	■										■				□ 93341 ■ 93343 ■ 93344													
LC-plus – 280°, PIR, max. r=16m, 620m², IP54																												
	■														□ 91008 ■ 91028 ■ 91018 ■ 91048											□ 93308		
LC-Click-N – 140°, PIR, max. r=12m, 170m², IP54 / 200°, PIR, max. r=12m, 250m², IP54																												
140°															**140°**													
	■											■			□ 91001 ■ 91021													
200°															**200°**													
	■											■			□ 91002 ■ 91022 ■ 91012													
LC-Click – 140°, PIR, max. r=12m, 170m², IP44 / 200°, PIR, max. r=12m, 250m², IP44																												
140°															**140°**													
	■														□ 91101 ■ 91121													
200°															**200°**													
	■														□ 91102 ■ 91122													
LC-Mini – 120°, PIR, max. r=10m, 100m², IP44																												
	■																							□ 93541				

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

Sensor overview Indoor

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	LV		DS	LTMS	S	DACO®	BMS	DALI-LINK	DALI-SYS	KNX	CASAMBI
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 92665	92136 92661		92621 92666 92667	92650 92668			92135 92660		93540			93524 93525	
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

Sensor overview Motion detectors

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	1C Micro	1C NO-PF	2C	LV	24V	24V LED	24V 2W	DACO®	BMS	DALI-LINK	DALI-SYS	KNX	CASAMBI
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 FM 92186 SM 92190	FC 92184 SM 92219	FC 92576	FC 92198 FM 92188											
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

Sensor overview Presence detectors

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®	BMS	DALI-LINK	DALI-SYS	KNX	CASAMBI
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 93510 FM 93511 FC 93512 FM 93513 FC 93530 FM 93531 FC 93580	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

Sensor overview Mini presence detectors

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®	BMS	DALI-LINK	DALI-SYS	KNX	CASAMBI
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_2 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.





Technical Data	Aleum Glow	RC-plus next N 130
Product information	■ Motion detector with 180° detection area and anti-creep zone ■ Ambient light ■ Further functions can be set via Bluetooth using the B.E.G. app	■ Motion detector with 130° detection area and anti-creep zone ■ Mechanical range adjustment ■ Different follow-up time depending on direction of movement
Voltage	230 V AC ±10% 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)
Power consumption	approx. 0.5 W	approx. 0.5 W
Detection area	horizontal 180° (Wall mounting)	horizontal 130° (Wall mounting)
Range	max. 16 m across max. 5 m towards max. 3 m anti-creep protection	max. 20 m across max. 6 m towards max. 4 m anti-creep protection
Monitored area (tangential movement)	400 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 4 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
Connections and wires	for solid conductors 0.5 – 2.5 mm²	–
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact
Follow-up time	10 sec – 30 min, Pulse	15 sec – 16 min, Pulse
Ambient light	0 – 100 % / 10 s – 6 h / 16 colours	–
Switch-on threshold	10 – 2500 Lux	2 – 500 Lux
Degree of protection	IP54	IP54
Protection class	Class II	Class II
Item number	93132 white mat, similar to RAL9010 93134 anthracite mat, similar to RAL7016	93321 white mat, similar to RAL9010 93323 black mat, similar to RAL9005 93324 brown mat, similar to RAL8014
Comprehensive product information		

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

Outdoor motion detectors







RC-plus next N 230	RC-plus next N 280	LC-plus 280
■ Motion detector with 230° detection area and anti-creep zone ■ Mechanical range adjustment ■ Different follow-up time depending on direction of movement	■ Motion detector with 280° detection area and anti-creep zone ■ Mechanical range adjustment ■ Different follow-up time depending on direction of movement	■ Motion detector with downward detection for gapless monitoring ■ Adjustable ball head ■ Zero crossing switching
110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)	110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)	110 – 240 V AC 50 / 60 Hz
approx. 0.5 W	approx. 0.5 W	approx. 0.24 W
horizontal 230° (Wall mounting)	horizontal 280° (Wall mounting)	horizontal 280° (Wall mounting)
max. 20 m across max. 6 m towards max. 4 m anti-creep protection	max. 20 m across max. 6 m towards max. 4 m anti-creep protection	max. 16 m across max. 9 m towards
800 m² / 2.5 m mounting height	970 m² / 2.5 m mounting height	620 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 3 m / 2.5 m
IK03	IK03	IK02
-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
–	–	–
Channel 1 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2000 W, cos φ = 1 1000 VA, cos φ = 0.5 400 W LED
1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact
15 sec – 16 min, Pulse	15 sec – 16 min, Pulse	15 sec – 16 min, Pulse
–	–	–
2 – 500 Lux	2 – 500 Lux	2 – 500 Lux
IP54	IP54	IP54
Class II	Class II	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	93341 white mat, similar to RAL9010 93343 black mat, similar to RAL9005 93344 brown mat, similar to RAL8014	91008 white mat, similar to RAL9010 91028 black mat, similar to RAL9005 91018 brown mat, similar to RAL8014 91048 silver mat, similar to RAL9006

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





Technical Data	LC-Click-N 140	LC-Click-N 200
Product information	■ Motion detector with 140° detection area and 180° anti-creep zone ■ Adjustable ball head ■ Detection area can be restricted with blinds	■ Motion detector with 200° detection area and 180° anti-creep zone ■ Adjustable ball head ■ Detection area can be restricted with blinds
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W	approx. 0.4 W
Detection area	horizontal 140° (Wall mounting)	horizontal 200° (Wall mounting)
Range	max. 12 m across max. 4 m towards max. 2 m anti-creep protection	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	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2 m / 3 m / 2.5 m	2 m / 3 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
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x µ-contact, NO contact	1x µ-contact, NO contact
Follow-up time	4 sec – 20 min	4 sec – 20 min
Switch-on threshold	2 – 500 Lux	2 – 500 Lux
Degree of protection	IP54	IP54
Protection class	Class II	Class II
Item number	91001 white mat, similar to RAL9010 91021 black mat, similar to RAL9005	91002 white mat, similar to RAL9010 91022 black mat, similar to RAL9005 91012 brown mat, similar to RAL8014
Comprehensive product information		

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

Outdoor motion detectors





LC-Click 140	LC-Click 200
■ Motion detector with detection area of 140° ■ Adjustable ball head ■ Simple mounting thanks to plug base	■ Motion detector with detection area of 200° ■ Adjustable ball head ■ Simple mounting thanks to plug base
110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
approx. 0.4 W	approx. 0.4 W
horizontal 140° (Wall mounting)	horizontal 200° (Wall mounting)
max. 12 m across max. 4 m towards	max. 12 m across max. 4 m towards
170 m² / 2.5 m mounting height	250 m² / 2.5 m mounting height
2 m / 3 m / 2.5 m	2 m / 3 m / 2.5 m
–	–
-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant
Channel 1 (lighting control)	**Channel 1 (lighting control)**
1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
1x µ-contact, NO contact	1x µ-contact, NO contact
4 sec – 10 min	4 sec – 10 min
10 – 300 Lux	10 – 300 Lux
IP44	IP44
Class II	Class II
91101 white mat, similar to RAL9010 91121 black mat, similar to RAL9005	91102 white mat, similar to RAL9010 91122 black mat, similar to RAL9005

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





Technical Data	IndoorHF-M-1C	Indoor180N-M-1C
Product information	■ Wall-mounted presence detector with HF technology ■ Relay version with three-wire technology ■ Manual switching via push-button possible	■ Wall-mounted presence detector with PIR technology and additional acoustic sensor ■ Relay version with three-wire technology ■ Acoustic sensor independently adjustable
Voltage	230 V AC 10% 50 / 60 Hz	230 V AC 10% 50 / 60 Hz
Power consumption	approx. 0.2 W	approx. 0.2 W
Detection area	horizontal 180° (Wall mounting)	horizontal 180° (Wall mounting)
Range	max. 8 m x 4 m across max. 8 m x 4 m towards	max. 14 m across max. 3 m towards
Monitored area (tangential movement)	32 m² / 1.1 m mounting height	300 m² / 1.1 m mounting height
Mounting height min./max./recommended	1 m / 1.2 m / 1.1 m	1 m / 4 m / 1.1 m
Impact strength	IK05	IK05
Ambient temperature	5 °C to +50 °C	5 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A
Type of contact	1x µ-contact, NO contact	1x µ-contact, NO contact
Follow-up time	10 sec – 18 h	10 sec – 18 h
–	–	–
–	–	–
Switch-on threshold	–	10 – 2500 Lux
Brightness set value	10 – 2500 Lux	–
	Channel 2	**Channel 2**
Switching power	–	–
Type of contact	–	–
Follow-up time	–	–
Degree of protection	FM = IP20 / FM = IP20	FM = IP20 / FM = IP20
Protection class	Class II	Class II
Item number	FM = 93261 traffic white mat, similar to RAL9016 FM = 93263 traffic white glossy, similar to RAL9016	FM = 93260 traffic white mat, similar to RAL9016 FM = 93262 traffic white glossy, similar to RAL9016
Comprehensive product information		

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

Wall-mounted detectors







Technical Data	Indoor 140-L	Indoor 180-R	Indoor 180-M-2C
Product information	■ 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	■ Wall-mounted motion detector with acoustic sensor ■ Relay version with three-wire technology ■ Acoustic sensor independently adjustable	■ Wall-mounted presence detector with acoustic sensor ■ One channel for light switching ■ One additional potential-free (dry) contact for HVAC
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W / approx. 0.8 W with nightlight	approx. 0.5 W	approx. 0.4 W
Detection area	horizontal 120° (Wall mounting)	horizontal 180° (Wall mounting)	horizontal 180° (Wall mounting)
Range	max. 8 m across max. 3 m towards	max. 10 m across max. 3 m towards	max. 10 m across max. 3 m towards
Monitored area (tangential movement)	67 m² / 1.1 m mounting height	150 m² / 1.1 m mounting height	150 m² / 1.1 m mounting height
Mounting height min./max./recommended	1 m / 1.2 m / 1.1 m	1 m / 2.2 m / 1.1 m	1 m / 2.2 m / 1.1 m
Impact strength	IK07	IK05	IK05
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
Housing	**94325:** (covering not included) **94328:** polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
	Channel 1 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
Switching power	2000 W, cos φ = 1 1000 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (20 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min	15 sec – 16 min, Pulse	15 sec – 30 min, Pulse
–	0 – 100 % / OFF / 15 s – 30 min	–	–
–	0 – 100 %	–	–
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux	10 – 2000 Lux
Brightness set value	–	–	–
	Channel 2	**Channel 2**	**Channel 2 (HVAC control potential-free (dry))**
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	FM = IP20 / FM = IP20	FM = IP20 / FM = IP20	FM = IP20 / FM = IP20
Protection class	Class II	Class II	Class II
Item number	FM = 94328 pure white glossy, similar to RAL9010 FM = 94325 –	FM = 92623 pure white mat, similar to RAL9010 FM = 92665 –	FM = 92136 pure white mat, similar to RAL9010 FM = 92661 –
Comprehensive product information			

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









Technical Data	Indoor 180-S	Indoor 180-TR	Indoor 180-R-11-48V-3A	Indoor 180-R-11-48V-RR
Product information	■ Slave device ■ For extending the detection area of a Master device ■ Compatible with 230 V devices. Concerning exceptions please see the respective master device.	■ Wall-mounted motion detector designed for stair light timer switches ■ Triac version with 2-wire technology, no neutral ■ Guarantees correct operation with the SCT1 (max. 10 sensors per unit)	■ Wall-mounted motion detector with acoustic sensor, operating voltage 11-48 V ■ One potential-free switching channel ■ Acoustic sensor independently adjustable	■ Wall-mounted motion detector with acoustic sensor, operating voltage 11-48 V ■ One potential-free switching channel ■ Acoustic sensor independently adjustable
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz Power supply via staircase switch	11 – 48 V AC / DC	11 – 48 V AC / DC
Power consumption	approx. 0.2 W	approx. 0.8 W	approx. 1 W	approx. 1 W
Detection area	horizontal 180° (Wall mounting)	horizontal 180° (Wall mounting)	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	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	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	1 m / 2.2 m / 1.1 m	1 m / 2.2 m / 1.1 m
Impact strength	IK05	IK05	IK05	IK05
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
	Channel 1	**Channel 1**	**Channel 1 (lighting control, potential-free (dry))**	**Channel 1 (lighting control, potential-free (dry))**
Switching power	–	0.2 A / 230 V	3 A; cos φ = 1	0.1 A; cos φ = 1 with Reed relay
Type of contact	–	–	µ-contact, dry NO contact	µ-contact, dry NO contact, with Reed relay
Follow-up time	–	Pulse duration: 0.1 s; Deactivation of light evaluation 1 min – 10 min	15 sec – 16 min, Pulse	15 sec – 16 min, Pulse
Switch-on threshold	–	2 – 2000 Lux	5 – 2000 Lux	5 – 2000 Lux
Pulse interval	2 or 9 sec	–	–	–
Degree of protection	FM = IP20 / FM = IP20	FM = IP20 / FM = IP20	FM = IP20 / FM = IP20	FM = IP20
Protection class	Class II	Class II	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 –	FM = 92621 pure white mat, similar to RAL9010 FM = 92666 –	FM = 92667 –
Comprehensive product information				

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

Ceiling-mounted motion detectors





Technical Data	PD3-1C	PD3N-1C
Product information	■ Ceiling-mounted motion detector ■ One channel for light switching ■ Zero crossing switching	■ Remote control-capable ceiling-mounted detector ■ One channel for light switching ■ Zero crossing switching
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	< 0.3 W	approx. 0.5 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	–	IK04
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	2000 W, cos φ = 1 1000 VA, cos φ = 0.5 400 W LED, minimum runtime > 5 min max. inrush current Ip (20 ms) = 80 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	µ-contact, NO contact	1x µ-contact, NO contact with tungsten pre-make contact
Follow-up time	30 sec – 30 min, Pulse	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux
	Channel 2	**Channel 2**
Switching power	–	–
Type of contact	–	–
Follow-up time	–	–
Degree of protection	FC = IP20 / SM = IP44 / SM = IP44	FC = IP23 / SM = IP44 / FM = IP20 / SM = IP44
Protection class	Class II	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	FC = 92196 white mat, similar to RAL9010 SM = 92190 white mat, similar to RAL9010 FM = 92186 white mat, similar to RAL9010 SM = 93092 black mat, similar to RAL9005
Comprehensive product information		

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

Ceiling-mounted motion detectors







PD3N-1C Micro	PD3N-1C-NO-PF	PD3N-2C
■ Remote control-capable ceiling-mounted motion detector with integrated acoustic sensor ■ One channel for light switching ■ Zero crossing switching	■ Remote control-capable ceiling-mounted motion detector ■ One potential-free (dry) switching contact ■ Zero crossing switching	■ Remote control-capable ceiling-mounted motion detector ■ One channel for light switching ■ Zero crossing switching
110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
approx. 0.5 W	approx. 0.4 W	approx. 0.5 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 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
78 m² / 2.5 m mounting height	78 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
IK04	IK04	IK04
-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Channel 1 (lighting control)	**Channel 1 (lighting control, potential-free (dry))**	**Channel 1 (lighting control)**
2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, dry NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact
30 sec – 30 min, Pulse	15 sec – 30 min, Pulse	30 sec – 30 min, Pulse
10 – 2000 Lux	10 – 2000 Lux	10 – 2000 Lux
Channel 2	**Channel 2**	**Channel 2 (HVAC control potential-free (dry))**
–	–	3 A (230 V), cos φ = 1
–	–	1x NO contact (dry)
–	–	5 min – 120 min
FC = IP23 / SM = IP44 / SM = IP44	FC = IP23	FC = IP23 / FM = IP20
Class II	Class II	Class II
FC = 92184 white mat, similar to RAL9010 SM = 92219 white mat, similar to RAL9010 SM = 93093 black mat, similar to RAL9005	FC = 92576 white mat, similar to RAL9010	FC = 92198 white mat, similar to RAL9010 FM = 92188 white mat, similar to RAL9010

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

Ceiling-mounted motion detectors





Technical Data	PD4N-1C	PD4N-1C-C
Product information	■ Remote-control capable ceiling-mounted motion detector with large detection range ■ One channel for light switching ■ Zero crossing switching	■ Remote control-capable ceiling-mounted motion detector designed for corridors ■ One channel for light switching ■ Zero crossing switching
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.5 W	approx. 0.4 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 40 m across max. Ø 20 m towards
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 / 5 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
Connections and wires	–	–
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux
Degree of protection	FC = IP23 / SM = IP44 / FM = IP20	FC = IP23 / SM = IP44
Protection class	Class II	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	FC = 92274 white mat, similar to RAL9010 SM = 92270 white mat, similar to RAL9010
Comprehensive product information		

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

Ceiling-mounted motion detectors







Technical Data	BL2	BL4	BL4-C
Product information	■ Ceiling-mounted motion detector for indoor use with a 360° detection area ■ For mounting in suspended ceilings ■ One channel for light switching	■ Ceiling-mounted motion detector for indoor use with a 360° detection area ■ For mounting in suspended ceilings ■ One channel for light switching	■ Remote control-capable ceiling-mounted motion detector designed for corridors ■ For mounting in suspended ceilings ■ One channel for light switching
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	0.3 W	approx. 0.3 W	approx. 0.3 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 8 m across max. Ø 4.8 m towards max. Ø 3.2 m seated	max. Ø 19 m across max. Ø 6.4 m towards max. Ø 5 m seated	max. Ø 32 m across max. Ø 16 m towards
Monitored area (tangential movement)	50 m² / 2.5 m mounting height	280 m² / 2.5 m mounting height	200 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	2.4 m / 2.6 m / 2.5 m
Impact strength	IK05	IK04	IK04
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Connections and wires	0.5 – 1.5 mm² for solid conductors	0.5 – 2.5 mm² for solid conductors	0.5 – 2.5 mm² for solid conductors
	Channel 1 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
Switching power	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
Type of contact	1x µ-contact, NO contact	1x µ-contact, NO contact	1x µ-contact, NO contact
Follow-up time	15 sec – 60 min	15 sec – 60 min	15 sec – 60 min
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux	10 – 2000 Lux
Degree of protection	FC = IP23	FC = IP20	FC = IP20
Protection class	Class II	Class II	Class II
Item number	FC = 93317 white	FC = 93288 white mat, similar to RAL9010	FC = 93284 white mat, similar to RAL9010
Comprehensive product information			

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

Ceiling-mounted motion detectors





Ceiling-mounted motion detectors





Technical Data	PD9-1C	PD9-1C-12-48V	HF-MD1	HF-MD2
Product information	■ Mini-motion detector for indoor use ■ One channel for light switching ■ Zero crossing switching	■ Mini-motion detector with operating voltage 12-48 V ■ One channel for light switching ■ Easy installation on device	■ Microwave motion detector, designed for surface mount and installation in lights ■ Temperature-independent detection ■ Detection can be made through various materials	■ Microwave motion detector, designed for surface mount ■ Temperature-independent detection ■ Detection can be made through various materials
Voltage	110 – 240 V AC 50 / 60 Hz	12 – 48 V AC / DC	230 V AC +/- 10% 50 / 60 Hz	230 V AC +/- 10% 50 / 60 Hz
Power consumption	approx. 0.5 W	< 0.25 W	approx. 1.2 W	approx. 1.2 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m	horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m
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 16 m towards	–
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	200 m² / 2.5 m mounting height	200 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	1 m / 4 m / 2.5 m	1 m / 4 m / 2.5 m
Impact strength	IK03	IK03	–	–
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C	-15 °C to +50 °C	-15 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	45 cm	45 cm	–	–
	Channel 1 (lighting control)	**Channel 1 (lighting control, potential-free (dry))**	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
Switching power	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED	1000 W, cos φ = 1 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	1200 W, cos φ = 1 800 W LED max. inrush current Ip (20 ms) = 120 A	1200 W, cos φ = 1 800 W LED max. inrush current Ip (20 ms) = 120 A
Type of contact	1x µ-contact, NO contact	1x µ-contact, dry NO contact with tungsten pre-make contact	1x µ-contact, NO contact	1x µ-contact, NO contact
Follow-up time	30 sec – 30 min, Pulse	30 sec – 30 min, Pulse	5 sec – 15 min	5 sec – 15 min
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux	2 – 2000 Lux	2 – 2000 Lux
Radar / HF technology	–	–	5.8 GHz, < 10 mW	5.8 GHz, < 10 mW
Degree of protection	FC = IP20	FC = IP20	IP20	SM = IP20
Protection class	Class II	Class II	Class II	Class II
Item number	FC = 92902 white mat, similar to RAL9010	FC = 92985 white mat, similar to RAL9010	94401 white mat, similar to RAL9010	SM = 94402 white mat, similar to RAL9010
Comprehensive product information				

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

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

Ceiling-mounted presence detectors





Technical Data	PD2-M-1C	PD2-M-2C
Product information	■ Presence detector with one potential-free dry contact ■ Version as master device ■ One channel for light switching	■ Presence detector with circular detection area ■ One channel for light switching ■ One additional potential-free (dry) contact for HVAC
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Luminous flux / intensity	–	–
Power consumption	approx. 0.4 W	approx. 0.5 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
	Channel 1 (lighting control, potential-free (dry))	**Channel 1 (lighting control)**
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	1x µ-contact, dry NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse	15 sec – 30 min, Pulse
Orientation light	–	–
Night light	–	–
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux
Brightness set value	–	–
	Channel 2	**Channel 2 (HVAC control potential-free (dry))**
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
	Mixed light measuring	Mixed light measuring
Degree of protection	FC = IP20 / SM = IP20 / FM = IP20	FC = IP20 / SM = IP20 / FM = IP20
Protection class	Class II	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	FC = 92165 white mat, similar to RAL9010 SM = 92150 white mat, similar to RAL9010 FM = 92155 white mat, similar to RAL9010
Comprehensive product information		

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

Ceiling-mounted presence detectors







PD2-M-2C-12-48V-3A	PD2-M-2C-12-48V-RR	PD2N-M-1C-LED
■ Presence detector with operating voltage of 12-48 V ■ Two potential-free (dry) channels ■ Can be used as either Master device or Slave device	■ Presence detector with operating voltage of 12-48 V ■ Two potential-free (dry) channels ■ Can be used as either Master device or Slave device	■ Remote control-capable presence detector for inside use with circular detection area ■ Integrated LED light as separately adjustable orientation- and night light ■ One channel for light switching
12 – 48 V AC / DC	12 – 48 V AC / DC	110 – 240 V AC 50 / 60 Hz
–	–	LED circuit board securely mounted Luminous flux of light 90 lm
< 1 W	< 1 W	approx. 0.3 W / approx. 2 W with LED
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 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
78 m² / 2.5 m mounting height	78 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
IK05	IK05	IK03
-25 °C to +50 °C	-25 °C to +50 °C	-20 °C to +40 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	Polycarbonate
Channel 1 (lighting control, potential-free (dry))	**Channel 1 (lighting control, potential-free (dry))**	**Channel 1 (lighting control, potential-free (dry))**
3 A; cos φ = 1	0.1 A; cos φ = 1 with Reed relay	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
1x µ-contact, dry NO contact	1x µ-contact, dry NO contact	1x µ-contact, dry NO contact with tungsten pre-make contact
15 sec – 30 min, Pulse	15 sec – 30 min, Pulse	10 sec – 18 h
–	–	20 – 100 % / OFF / 10 s – 18 h
–	–	20 – 100 % / 10 sec – 18 h / ∞
–	–	10 – 2000 Lux
10 – 2000 Lux	10 – 2000 Lux	–
Channel 2 (HVAC control potential-free (dry))	**Channel 2 (HVAC control potential-free (dry))**	**Channel 2**
3 A; cos φ = 1	0.1 A; cos φ = 1 with Reed relay	–
1x µ-contact, dry NO contact	1x µ-contact, dry NO contact	–
5 min – 120 min, Alarm pulse, Pulse	5 min – 120 min, Alarm pulse, Pulse	–
Mixed light measuring	Mixed light measuring	–
FC = IP20 / SM = IP20	FC = IP20 / SM = IP20	FC = IP20
Class II	Class II	Class II
FC = 92164 white mat, similar to RAL9010 SM = 92154 white mat, similar to RAL9010	FC = 92306 white mat, similar to RAL9010 SM = 92305 white mat, similar to RAL9010	FC = 94055 white mat, similar to RAL9010

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

Ceiling-mounted presence detectors





Technical Data	PD4-M-1C	PD4-M-2C
Product information	■ Presence detector with extended detection area ■ One potential-free (dry) contact ■ Version as master device	■ Presence detector with extended detection area ■ One channel for light switching ■ One additional potential-free (dry) contact for HVAC
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.4 W	approx. 0.5 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
Connections and wires	–	–
	Channel 1 (lighting control, potential-free (dry))	**Channel 1 (lighting control)**
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	1x µ-contact, dry NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min, Pulse	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux
	Channel 2	**Channel 2 (HVAC control potential-free (dry))**
Switching power	–	3 A (230 V), cos φ = 1
Switch-on threshold	–	–
Type of contact	–	1x dry NO contact
Follow-up time	–	5 min – 120 min, Alarm pulse, Pulse
	Channel 3	**Channel 3**
Switching power	–	–
Type of contact	–	–
	–	–
Follow-up time	–	–
	Mixed light measuring	Mixed light measuring
Degree of protection	FC = IP20 / SM = IP20 / FM = IP20	FC = IP20 / SM = IP54 / FM = IP20
Protection class	Class II	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	FC = 92148 white mat, similar to RAL9010 SM = 92140 white mat, similar to RAL9010 FM = 92255 white mat, similar to RAL9010
Comprehensive product information		

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

Ceiling-mounted presence detectors







PD4-M-2C-DS	PD4-M-3C-TRIO	PD4-M-1C-C
■ 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	■ 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	■ Presence detector designed for corridors ■ One potential-free (dry) switching contact ■ Version as master device
110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
< 1.5 W	approx. 0.5 W	approx. 0.5 W
horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
max. Ø 24 m across max. Ø 9 m towards max. Ø 8 m seated	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 m seated	max. Ø 40 m across max. Ø 20 m towards
450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	250 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m	2.4 m / 2.6 m / 2.5 m
IK04	IK04	IK04
-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
0.5 … 1.5 mm² rigid	–	–
Channel 1 and Channel 2 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control, potential-free (dry))**
2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
2x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, dry NO contact with tungsten pre-make contact
15 sec – 60 min, Pulse	–	15 sec – 30 min, Pulse
10 – 2000 Lux	10 – 2000 Lux	10 – 2000 Lux
Channel 2	**Channel 2 (lighting control potential-free (dry))**	**Channel 2**
–	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A, Ip (200 µs) = 800 A	–
–	10 – 2000 Lux	–
–	1x µ-contact, dry NO contact with tungsten pre-make contact	–
–	–	–
Channel 3	**Channel 3 (HVAC control or lighting control, potential-free (dry))**	**Channel 3**
–	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20ms) = 120 A	–
–	1x µ-contact, dry NO contact	–
–	**Channel 1 to channel 3**	–
–	1 min – 90 min	–
Mixed light measuring	Mixed light measuring	Mixed light measuring
FC = IP20 / SM = IP20	FC = IP20 / SM = IP20	FC = IP20 / SM = IP54
Class II	Class II	Class II
FC = 92760 white mat, similar to RAL9010 SM = 92761 white mat, similar to RAL9010	FC = 92745 white mat, similar to RAL9010 SM = 92740 white mat, similar to RAL9010	FC = 92586 white mat, similar to RAL9010 SM = 92587 white mat, similar to RAL9010

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

Ceiling-mounted presence detectors





Technical Data	PD4-M-2C-C	PD4-M-1C-C-PS
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	110 – 240 V AC 50 / 60 Hz
Power consumption	< 0.5 W	approx. 0.7 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 40 m across max. Ø 20 m towards	max. Ø 40 m across max. Ø 20 m towards
Monitored area (tangential movement)	250 m² / 2.5 m mounting height	250 m² / 2.5 m mounting height
Mounting height min./max./recommended	2.4 m / 2.6 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
Connections and wires	–	–
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 120 A
Type of contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact with tungsten pre-make contact, additional NC-safety contact
Follow-up time	15 sec – 30 min, Pulse	15 sec – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux	10 – 2000 Lux
	Channel 2 (HVAC control potential-free (dry))	**Channel 2**
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	–
	Mixed light measuring	Mixed light measuring
Degree of protection	FC = IP20 / SM = IP54	FC = IP20 / SM = IP54
Protection class	Class II	Class II
Item number	FC = 92143 white mat, similar to RAL9010 SM = 92440 white mat, similar to RAL9010	FC = 92480 white mat, similar to RAL9010 SM = 92485 white mat, similar to RAL9010
Comprehensive product information		

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

Ceiling-mounted presence detectors







PD4-M-TRIO-C-3P	PD4-M-1C-GH	BL2-PLUS
■ 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.	■ Presence detector designed for high-bay warehouses ■ One potential-free (dry) switching contact ■ Version as master device	■ Remote control-capable presence detector for inside use with circular detection area ■ For mounting in suspended ceilings ■ One channel for light switching
110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V 50 / 60 Hz
approx. 0.5 W	approx. 0.5 W	0.3 W
horizontal 360° (Ceiling mounting)	horizontal 360° oval (Ceiling mounting)	horizontal 360° (Ceiling mounting)
max. Ø 40 m across max. Ø 20 m towards	30 m x 19 m	max. Ø 8 m across max. Ø 4.8 m towards max. Ø 3.2 m seated
250 m² / 2.5 m mounting height	440 m² / 14 m mounting height	50 m² / 2.5 m mounting height
2.4 m / 2.6 m / 2.5 m	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m
IK04	IK04	–
-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
–	–	0.5 – 1.5 mm² for solid conductors
Channel 1 (lighting control, potential-free (dry))	**Channel 1 (lighting control, potential-free (dry))**	**Channel 1 (lighting control)**
2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED
2x µ-contact, dry Contact NC with tungsten pre-make contact	1x µ-contact, dry NO contact with tungsten pre-make contact	1x µ-contact, NO contact
15 sec – 30 min, Pulse	15 sec – 30 min, Pulse	15 sec – 30 min
10 – 2000 Lux	20 – 2000 Lux	10 – 2000 Lux
Channel 2	**Channel 2**	**Channel 2**
–	–	–
–	–	–
–	–	–
Mixed light measuring	Mixed light measuring	–
FC = IP20 / SM = IP20	SM = IP20	FC = IP23
Class II	Class II	Class II
FC = 92746 white mat, similar to RAL9010 SM = 92747 white mat, similar to RAL9010	SM = 92245 white mat, similar to RAL9010	FC = 93405 white

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

Ceiling-mounted presence detectors





Technical Data	BL4-PLUS	PD9-M-1C
Product information	■ Remote control-capable presence detector for inside use with circular detection area ■ For mounting in suspended ceilings ■ One channel for light switching	■ Mini-presence detector ■ One channel for light switching ■ Version as master device
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	approx. 0.3 W	approx. 0.5 W
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
Range	max. Ø 19 m across max. Ø 6.4 m towards max. Ø 5 m seated	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement)	280 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	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, screened
Connections and wires	0.5 – 2.5 mm² for solid conductors	–
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	1000 W, cos φ = 1 500 VA, cos φ = 0.5 400 W LED	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	1x µ-contact, NO contact	1x µ-contact, NO contact with tungsten pre-make contact
Follow-up time	15 sec – 30 min	5 min – 30 min, Pulse
Switch-on threshold	10 – 2000 Lux	20 – 1000 Lux
	–	Mixed light measuring
Degree of protection	FC = IP20	FC = IP20
Protection class	Class II	Class II
Item number	FC = 93404 white mat, similar to RAL9010	FC = 92900 white mat, similar to RAL9010
Comprehensive product information		

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

Ceiling-mounted presence detectors



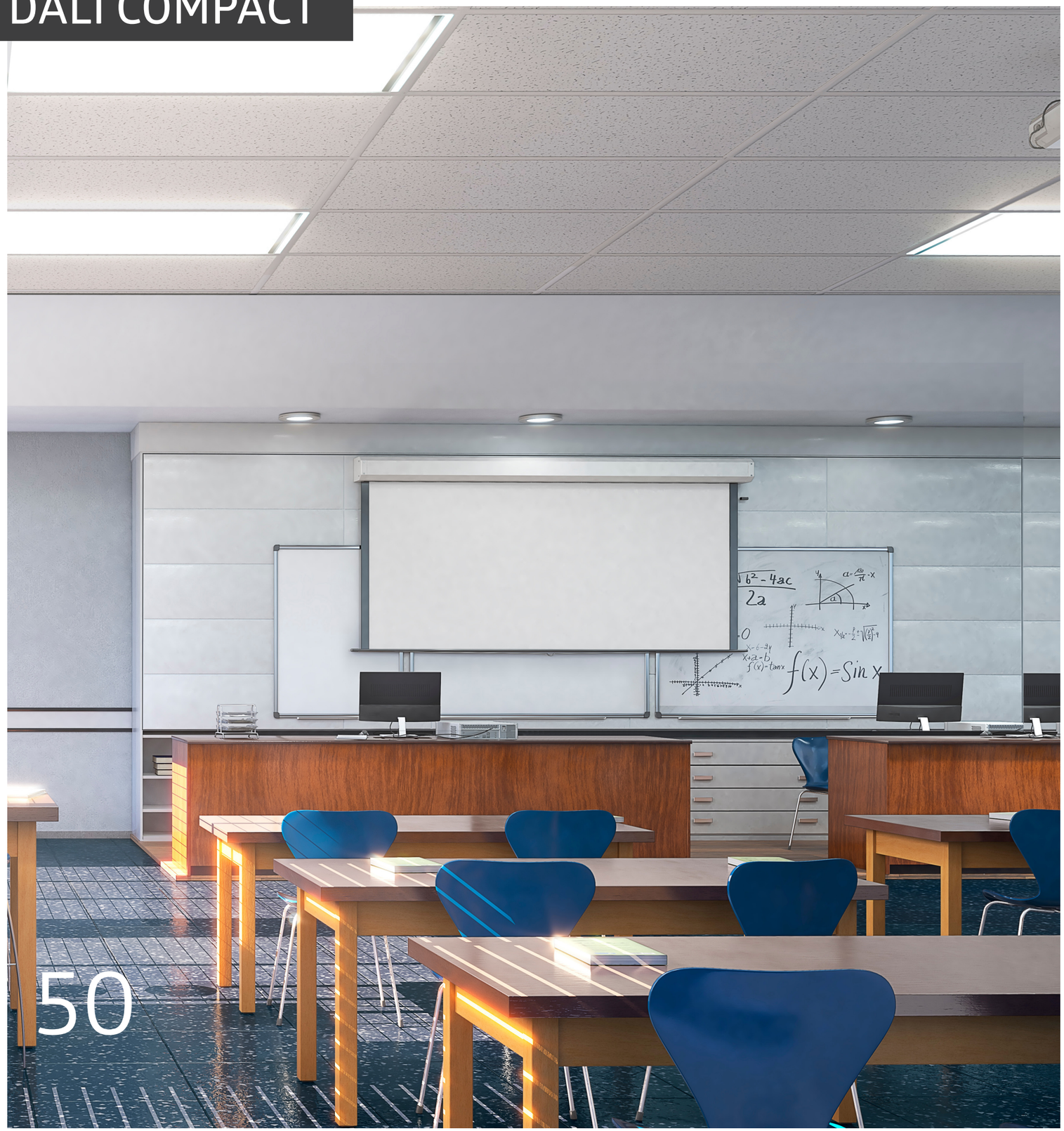




PD9-M-1C-SDB-IP65	PD11-M-1C-FLAT	PICO-N-M-1C
■ Mini-presence detector designed for high-humidity locations ■ One potential-free (dry) switching contact ■ Version as master device	■ Particularly flat presence detector without additional power supply ■ Visible portion when built into ceiling: height 0.85 mm ■ One channel for light switching	■ Mini-presence detector, no additional power unit, suitable for high-humidity locations ■ One channel for light switching ■ Manual switching via push-button possible
230 V AC ±10% 50 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
2.2 W	approx. 0.3 W	approx. 0.35 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	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
350 cm	–	140 cm
–	–	–
Channel 1 (lighting control, potential-free (dry))	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
2300 W, cos φ = 1 1150 VA, cos φ = 0.5 400 W LED max. inrush current Ip (20 ms) = 80 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 400 W LED
1x µ-contact, dry NO contact	1x µ-contact, NO contact with tungsten pre-make contact	1x µ-contact, NO contact
15 sec – 30 min, Pulse	5 min – 30 min, Pulse	15 sec – 30 min, Pulse
20 – 1500 Lux	20 – 2000 Lux	10 – 2000 Lux
Mixed light measuring	Mixed light measuring	Mixed light measuring
FC = IP65	FC = IP20	FC = IP65
Class III	Class II	Class II
FC = 92912 white mat, similar to RAL9010	FC = 92583 white mat, similar to RAL9010	FC = 93159 white mat, similar to RAL9010

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

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





Technical Data	PD2N-M-DACO DALI-2	PD2N-M-DACO-1C DALI-2
Product information	■ Presence detector with integrated DALI application controller for energy-efficient lighting control ■ DALI-2 certified product ■ Integrated DALI power supply	■ Presence detector with integrated DALI application controller for energy-efficient lighting control ■ DALI-2 certified product ■ Integrated DALI power supply
Voltage	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
Power consumption	approx. 2 W	approx. 2 W
slave devices	up to 8	up to 8
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
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
DALI output	80 mA (guaranteed), 125 mA (max.), shut down mechanism	80 mA (guaranteed), 125 mA (max.), shut down mechanism
supported control gear	DT0, DT5, DT6, DT7	DT0, DT5, DT6, DT7
supported control devices	- (single master)	- (single master)
Follow-up time	1 min – 150 min	1 min – 150 min
Orientation light	10 – 30 % / OFF / 5 min – 60 min / ∞	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	10 – 2500 Lux	10 – 2500 Lux
	Channel 2	**Channel 2 (HVAC or lighting control)**
Switching power	–	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A
Type of contact	–	1x µ-contact, dry, bistable
Follow-up time	–	5 min – 120 min, Alarm pulse, Pulse
	Mixed light measuring	Mixed light measuring
Degree of protection	FC = IP20	FC = IP20
Protection class	Class II	Class II
Item number	FC = 93452 white mat, similar to RAL9010	FC = 93455 white mat, similar to RAL9010
Comprehensive product information		

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

Presence detectors DALI Compact







PD2N-M-DACO-DUO DALI-2	PD4N-M-DACO DALI-2	PD4N-M-DACO-1C DALI-2
■ Presence detector with integrated DALI application controller for energy-efficient lighting control ■ 2 channels ■ DALI-2 certified product	■ Presence detector with integrated DALI application controller for energy-efficient lighting control ■ DALI-2 certified product ■ Integrated DALI power supply	■ Presence detector with integrated DALI application controller for energy-efficient lighting control ■ DALI-2 certified product ■ Integrated DALI power supply
230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
approx. 3 W	approx. 2 W	approx. 2 W
up to 4	up to 8	up to 8
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 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
78 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m	2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m
IK05	IK04	IK04
-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Channel 1 and Channel 2 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
40 mA (guaranteed), 60 mA (max.), shut down mechanism	80 mA (guaranteed), 125 mA (max.), shut down mechanism	80 mA (guaranteed), 125 mA (max.), shut down mechanism
DT0, DT5, DT6, DT7	DT0, DT5, DT6, DT7	DT0, DT5, DT6, DT7
- (single master)	- (single master)	- (single master)
1 min – 150 min	1 min – 150 min	1 min – 150 min
10 – 30 % / OFF / 5 min – 60 min / ∞	10 – 30 % / OFF / 5 min – 60 min / ∞	10 – 30 % / OFF / 5 min – 60 min / ∞
10 – 2500 Lux	10 – 2500 Lux	10 – 2500 Lux
Channel 2	**Channel 2**	**Channel 2 (HVAC or lighting control)**
–	–	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A
–	–	1x µ-contact, dry, bistable
–	–	5 min – 120 min, Alarm pulse, Pulse
Mixed light measuring	Mixed light measuring	Mixed light measuring
FC = IP20	FC = IP20	FC = IP20
Class II	Class II	Class II
FC = 93453 white mat, similar to RAL9010	FC = 93460 white mat, similar to RAL9010	FC = 93463 white mat, similar to RAL9010

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

Presence detectors DALI Compact





Technical Data	PD4N-M-DACO-DUO DALI-2	PD4-M-HCL2-SM DALI-2
Product information	■ Presence detector with integrated DALI application controller for energy-efficient lighting control ■ 2 channels ■ DALI-2 certified product	■ Bidirectional presence detector with integrated DALI application controller for an energy-efficient and biologically effective light control (Human Centric Lifghting) ■ Integrated DALI power supply and 3 push-button inputs ■ Preset and freely adjustable HCL curves (12 anchor points per 24h)
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
	Channel 1 and Channel 2 (lighting control)	**DALI Control**
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
–	–	**Relay (dry NO)**
Switching power	–	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20 ms) = 165 A, Ip (200 µs) = 800 A
Type of contact	–	1x µ-contact, NO contact
Follow-up time	–	5 sec – 120 min (HVAC)
	Channel 3	**Channel 3**
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		

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

Presence detectors DALI Compact





Technical Data	PD4-M-DAA4G	PD4-S-DAA4G
Product information	■ Flexible DALI Compact solution designed for conference rooms, training rooms and classrooms ■ High-sensitivity presence detector with the capability to address up to 64 DALI electronic ballasts (EB) automatically, with segmented control via 4 groups ■ Quick commissioning and maintenance processes via Smartphone/Tablet App (Android, iOS) - No PC-Tool required	■ DALI bus operated slave device ■ For extension of the detection area of a master device PD4-M-DAA4G / PD4-M-HCL ■ Trigger pulse to master device upon detected movement independent of the ambient light level
Voltage	110 – 240 V AC 50 / 60 Hz	22 V DC via DALI Bus
Power consumption	approx. 0.4 W	–
slave devices	–	–
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
	DALI Control	up to 4 slave devices in combination with one PD4-M-DAA4G
DALI output	up to 64 DALI ballasts , can be grouped into 3 DALI groups plus blackboard lighting or HVAC control	–
supported control gear	–	–
supported control devices	–	–
Follow-up time	1 min – 150 min (Lighting zones)	–
Orientation light	10 – 30 % / OFF / 5 min – 60 min / ∞	–
Brightness set value	10 – 2000 Lux	–
–	**Relay (dry NO)**	–
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED	–
Type of contact	–	–
Follow-up time	5 sec – 120 min (HVAC)	–
	Channel 3	**Channel 3**
Switching power	–	–
	–	–
Follow-up time	–	–
Brightness set value	–	–
	Mixed light measuring	–
Pulse interval	–	30 sec (in test mode 2 sec during 3 min)
Degree of protection	FC = IP20 / SM = IP20	FC = IP20 / SM = IP54
Protection class	Class II	Class II
Item number	FC = 92591 white mat, similar to RAL9010 SM = 92743 white mat, similar to RAL9010	FC = 92721 white mat, similar to RAL9010 SM = 92759 white mat, similar to RAL9010
Comprehensive product information		

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

Presence detectors DALI Compact









Technical Data	PD4-M-TRIO-2DALI/DSI-1C	PD4-M-DACO-GH-SM DALI-2	PD9-M-DACO-FC DALI-2	PD11-M-DACO-FLAT DALI-2
Product information	■ Presence detector for two separate lighting groups, for daylight-dependent lighting control ■ One potential-free switching channel for control of equipment (HVAC) or lighting ■ Two independent, movable light sensors	■ Presence detector for large heights with integrated DALI application controller for energy-efficient lighting control ■ External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application. ■ DALI-2 certified product	■ Mini presence detector with integrated DALI application controller for energy-efficient lighting control ■ DALI-2 certified product ■ Integrated DALI power supply	■ Presence detector with integrated DALI application controller for energy-efficient lighting control ■ DALI-2 certified product ■ Integrated DALI power supply
Voltage	110 – 240 V AC 50 / 60 Hz	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
Power consumption	approx. 2 W	approx. 2 W	approx. 2 W	approx. 2 W
slave devices	–	up to 8	up to 8	up to 8
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° oval (Ceiling mounting)	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	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)	450 m² / 2.5 m mounting height	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	2 m / 10 m / 2.5 m	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK04	IK04	IK03	IK02
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	–	–	50 cm	50 cm
	Channel 1 and Channel 2 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
DALI output	up to 25 DALI / DSI-EB per channel	80 mA (guaranteed), 125 mA (max.), shut down mechanism	80 mA (guaranteed), 125 mA (max.), shut down mechanism	80 mA (guaranteed), 125 mA (max.), shut down mechanism
supported control gear	–	DT0, DT5, DT6, DT7	DT0, DT5, DT6, DT7	DT0, DT5, DT6, DT7
supported control devices	–	- (single master)	- (single master)	- (single master)
Follow-up time	–	1 min – 150 min	1 min – 150 min	1 min – 150 min
Orientation light	10 – 30 % / OFF / 1 min – 60 min / ∞	10 – 30 % / OFF / 5 min – 60 min / ∞	10 – 30 % / OFF / 5 min – 60 min / ∞	10 – 30 % / OFF / 5 min – 60 min / ∞
Brightness set value	–	10 – 2500 Lux	10 – 2500 Lux	10 – 2500 Lux
	Channel 3 (HVAC control or lighting control, potential-free (dry))	**Channel 3**	**Channel 3**	**Channel 3**
Switching power	3000 W, cos φ = 1 1500 VA, cos φ = 0.5 800 W LED max. inrush current Ip (20ms) = 165 A, (200 µs) = 800 A	–	–	–
Type of contact	1x µ-contact, dry NO contact with tungsten pre-make contact	–	–	–
	Channel 1 to channel 3	–	–	–
Follow-up time	1 min – 60 min	–	–	–
Brightness set value	10 – 2000 Lux	–	–	–
	Mixed light measuring	Mixed light measuring	Mixed light measuring	Mixed light measuring
Degree of protection	SM = IP20	SM = IP54	FC = IP20	FC = IP20
Protection class	Class II	Class II	Class II	Class II
Item number	SM = 92751 white mat, similar to RAL9010	SM = 93469 white mat, similar to RAL9010	FC = 93470 white mat, similar to RAL9010	FC = 93459 white mat, similar to RAL9010
Comprehensive product information				

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

Presence detectors DALI Compact

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





Technical Data	PD2-S	PD2N-S
Product information	■ Slave device with circular detection area ■ For extending the detection area of a Master device ■ Trigger pulse to master device upon detected movement independent of the ambient light level	■ Slave device with circular detection area ■ For extending the detection area of a Master device ■ Trigger pulse to master device upon detected movement independent of the ambient light level
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		

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







PD4-S	PD4N-S	PD4-S-C
■ Slave device with extended detection area ■ For extending the detection area of a Master device ■ Trigger pulse to master device upon detected movement independent of the ambient light level	■ Slave device with extended detection area ■ For extending the detection area of a Master device ■ Trigger pulse to master device upon detected movement independent of the ambient light level	■ Slave device designed for corridors ■ For extending the detection area of a Master device ■ Trigger pulse to master device upon detected movement independent of the ambient light level
110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
approx. 0.2 W	approx. 0.2 W	approx. 0.2 W
horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
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 40 m across max. Ø 20 m towards
450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	250 m² / 2.5 m mounting height
2 m / 10 m / 2.5 m	2 m / 10 m / 2.5 m	2.4 m / 2.6 m / 2.5 m
IK04	IK04	IK04
-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
2 or 9 sec	2 or 9 sec	2 or 9 sec
FC = IP20 / SM = IP54 / FM = IP20	FC = IP20	FC = IP20 / SM = IP54
Class II	Class II	Class II
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	FC = 92444 white mat, similar to RAL9010 SM = 92442 white mat, similar to RAL9010

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

Slave





Technical Data	PD4-S-GH	PD9-S
Product information	■ Slave device for high-bay applications ■ For extending the detection area of a Master device ■ Trigger pulse to master device upon detected movement independent of the ambient light level	■ Mini slave device for extending the detection area of a master device ■ Power supply passes through the hole in the ceiling for the detector (34 mm Ø) ■ Trigger pulse to master device upon detected movement independent of the ambient light level
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		

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







PD9-S-SDB	PD11-S-FLAT	PICO-S
■ Slave device especially for moisture-proof applications, suitable to miniature presence detector PD9-M-1C-SDB-IP65-FC ■ For extending the detection area of a Master device	■ Super flat slave device for connection to a master device ■ For extending the detection area of a Master device ■ Trigger pulse to master device upon detected movement independent of the ambient light level	■ Mini Slave device without additional power unit for connection to master device ■ Suitable for high-humidity locations ■ Trigger pulse to master device upon detected movement independent of the ambient light level
–	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

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











Technical Data	PD2N-LTMS	PD2N-LTMS-RR	PD4N-LTMS-RR	PD11-LTMS-RR	PD9-SH-24V
Product information	■ Multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness. ■ For integration into proprietary bus system ■ Output of current light and temperature values as analogue voltage	■ Multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness. ■ For integration into proprietary bus system ■ Output of motion detection via switch contact	■ Multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness. ■ For integration into proprietary bus system ■ Output of current light and temperature values as analogue voltage	■ Super flat multi-sensor for acquisition of data concerning presence (presence), temperature, and brightness ■ For integration into proprietary bus system ■ Output of motion detection via switch contact	■ Mini-motion detector ■ For integration into building automation systems ■ Output 24V DC / 0.5mA
Voltage	16 – 48 V DC	16 – 48 V DC	16 – 48 V DC	16 – 48 V DC	24 V DC
Power consumption	< 1 W	< 1 W	< 1 W	approx. 0.4 W	–
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	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	max. Ø 24 m across max. Ø 8 m towards max. Ø 6.4 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
Monitored area (tangential movement)	78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	63 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	2 m / 10 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK05	IK05	IK04	IK02	IK03
Measured light output	0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux	0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux	0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux	0 – 1000 Lux, 0-10 V, approx. 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	0 °C – +50 °C, 0-10 V, ca. 200 mV/°C	0 °C – +50 °C, 0-10 V, approx. 200 mV/°C	–
Ambient temperature	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	–	–	–	–	350 mm
	Channel 1	**Channel 1**	**Channel 1**	**Channel 1 (lighting control, potential-free (dry))**	**Channel 1**
Switching power	48 V DC / 3 A , cos φ = 1	48 V DC / 0.1 A , cos φ = 1	48 V DC / 0.1 A , cos φ = 1	48 V DC / 0.1 A , cos φ = 1	24V DC / 0.5mA
Type of contact	µ-contact, dry NO contact	µ-contact, dry NO contact	µ-contact, dry NO contact	µ-contact, dry NO contact	–
Follow-up time	15 sec – 30 min, Pulse	1 sec – 60 min, Pulse	1 sec – 60 min, Pulse	5 sec – 60 min	–
	Mixed light measuring	Mixed light measuring	Mixed light measuring	Mixed light measuring	–
Degree of protection	FC = IP20	FC = IP20	FC = IP20	FC = IP20	FC = IP20 / FC = IP20
Protection class	Class II	Class II	Class II	Class II	Class II
Item number	FC = 92113 white mat, similar to RAL9010	FC = 92119 white mat, similar to RAL9010	FC = 92709 white mat, similar to RAL9010	FC = 92594 white mat, similar to RAL9010	FC = 93210 white, similar to RAL9010 FC = 93211 white, similar to RAL9010
Comprehensive product information					

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

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

Sensors





Technical Data	PD9-SH-24V-2W	OCCULOG-1C
Product information	■ motion detector ■ For integration into building automation systems ■ Output 24V DC / 0.5mA	■ VOC indicator for good air quality ■ Thanks to the coloured LED display, the current air quality can be quickly recognised even from a distance by means of the LED colours. ■ Traffic light function: red - ventilation mandatory, yellow - ventilation recommended, green - good air quality.
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		

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

Photoelectric switches







Technical Data	CdS-T	CdS	CdS
Product information	■ 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	■ 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)	■ Remote control-capable photoelectric switch ■ Extra flat form – only 6 mm high ■ Adjustable deactivation delay with self-learning deactivation and twilight value
Voltage	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz	110 – 240 V AC 50 / 60 Hz
Power consumption	< 0.5 W	< 0.5 W	< 1 W
Detection area	–	–	–
Range	–	–	–
Monitored area (tangential movement)	–	–	–
Mounting height min./max./recommended	–	–	–
Impact strength	–	IK01	IK05
Ambient temperature	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Cable length	–	–	–
Connections and wires	–	–	–
	Channel 1 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
Switching power	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED	2000 W, cos φ = 1 1000 VA, cos φ = 0.5 max. inrush current Ip (20 ms) = 165 A max. inrush current Ip (200 µs) = 800 A
Type of contact	1x NO contact with tungsten pre-make contact	1x µ-contact, NO contact	1x µ-contact, NO contact with tungsten pre-make contact
Switch-on delay	–	–	determined automatically
Switch-off delay	–	–	5 s - 30 min
Switch-on and -off delay	–	1 s - 120 s	–
Switch-on threshold	2 – 300 Lux	2 – 1000 Lux	10 – 2000 Lux
	–	–	Mixed light measuring
Degree of protection	SM = IP54	SM = IP54	FC = IP20
Protection class	Class II	Class II	Class II
Item number	SM = 92367 white mat, similar to RAL9010	SM = 92369 white, similar to RAL9010	FC = 92249 white mat, similar to RAL9010
Comprehensive product information			

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

Photoelectric switches





Technical Data	CdS-R	TS-DD
Product information	■ Photoelectric switch with switch relay ■ For retrofitting in outdoor lights and for use in branch boxes ■ Continuously variable twilight value	■ Photoelectric switch set for DIN rail ■ LED adjustment aid (without delay) for adjustment of the switch-on threshold ■ Electronic component for installation onto DIN rail for convenient adjustment in the control cabinet
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	polycarbonate, UV-resistant
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
Switching power	1000 W, cos φ = 1 350 VA, cos φ = 0.4	**Resistive loads** 1000 W, cos φ = 1 **Fluorescent lamps parallel compensated** 600 W **LV halogen lamps** 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		

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

50 YEARS est. 1975 B.E.G. Feel comfortable in your building

Aleum Glow

HIGHLIGHT YOUR HOME THROUGH MOTION

beg-luxomat.com

- 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

BUILDING AUTOMATION





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.

KNX function matrix

	PD2N			PD4N			PD4-GH	PD9(-GH)	PD11		PICO		PD5N	Indoor 180		RC-plus next N
DESCRIPTION	**BA[1]**	**ST[2]**	**DX[3]**	**BA[1]**	**ST[2]**	**DX[3]**	**DX[3]**	**DX[3]**	**ST[2]**	**DX[3]**	**ST[2]**	**DX[3]**	**DX[3]**	**ST[2]**	**DX[3]**	**DX[3]**
Requirements																
Number of light sensors	2	2	2	2	2	2	1	1	1	1	1	1	2	1	1	1
Number of motion sensors	1	1	1	4	4	4	3	1	1	1	1	1	2	1	1	3
Number of HVAC outputs	●	3	3	●	3	3	3	3	3	3	3	3	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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

[1] **Basic** – as a cost-effective solution for simple requirements

[2] **Standard** – a comprehensive solution for common requirements

[3] **Deluxe** – the premium solution for demanding requirements

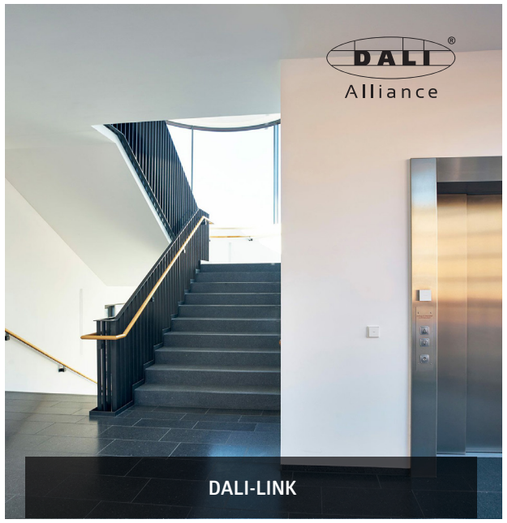
Function matrix DALI

DESCRIPTION	DALI COMPACT			DALI-LINK				
	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



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.





Technical Data	PD2N-KNXs-BA	PD2N-KNXs-ST
Product information	■ KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ Individual adaption of the PIR sensor sensitivity	■ KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ Parameterisation from ETS 5 for integration into KNX systems
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		

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







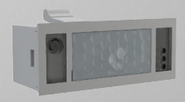
PD2N-KNXs-DX	PD2N-KNXs-OCCULOG-DX	PD4N-KNXs-BA
■ KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ HCL/RGB control	■ KNX presence detector with integrated KNX bus connector ■ Low installation depth ■ 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs	■ KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ Individual adaption of detection sensitivity for each PIR sensor
via KNX BUS	via KNX BUS	via KNX BUS
12 mA	25 mA	12 mA
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 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
78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 10 m / 2.5 m
IK05	IK05	IK04
-5 °C to +45 °C	-5 °C to +45 °C	–
-25 °C to +55 °C	-25 °C to +55 °C	-25 °C to +55 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
2	2	2
1	1	4
Yes	Yes	Yes
5 – 100 % / OFF / 1 min – 255 min	5 – 100 % / OFF / 1 min – 255 min	–
5 – 100 %	5 – 100 %	–
5 – 2000 Lux	5 – 2000 Lux	5 – 2000 Lux
FC = IP20 / FM = IP20	FC = IP20 / FM = IP20	FC = IP20 / FM = IP20
Class III	Class III	Class III
FC = 93512 white mat, similar to RAL9010 FM = 93513 white mat, similar to RAL9010	FC = 93530 white mat, similar to RAL9010 FM = 93531 white mat, similar to RAL9010	FC = 93535 white mat, similar to RAL9010 FM = 93536 white mat, similar to RAL9010

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











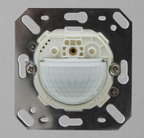
Technical Data	PD4N-KNXs-ST	PD4N-KNXs-DX	PD4-KNXs-GH-DX	PD5N-LAMELLA-KNXs-DX	PICO-KNXs-ST
Product information	■ KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ Parameterisation from ETS 5 for integration into KNX systems	■ KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ HCL/RGB control	■ KNX presence detector designed for high-bay warehouses, with integrated KNX bus connector ■ KNX Secure ready ■ HCL/RGB control	■ KNX sensor for installation in slatted ceilings or luminaires ■ KNX Secure ready ■ HCL/RGB control	■ KNX mini presence detector with integrated bus connector ■ KNX Secure ready ■ Parameterisation from ETS 5 for integration into KNX systems
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° oval (Ceiling mounting)	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	30 m x 19 m	max. Ø 12 m across max. Ø 5 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)	450 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	440 m² / 14 m mounting height	110 m² / 2.5 m mounting height	78 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	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK04	IK04	IK04	IK05	IK04
Temperature measurement range	–	-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	2	2	1	2	1
Number of PIR sensors	4	4	3	2	1
KNX TP 256	Yes	Yes	Yes	Yes	Yes
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 / FM = IP20	FC = IP20 / FM = IP20	SM = IP54	IP20	FC = IP20
Protection class	Class III	Class III	Class III	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	SM = 93518 white mat, similar to RAL9010	93508 white mat, similar to RAL9010 93509 black mat, similar to RAL9005	FC = 93539 white mat, similar to RAL9010
Comprehensive product information					











Technical Data	PICO-KNXs-DX	PD9-KNXs-DX	PD11-KNXs-FLAT-ST	PD11-KNXs-FLAT-DX	Indoor 180-KNXs-ST
Product information	■ KNX mini presence detector with integrated bus connector ■ KNX Secure ready ■ HCL/RGB control	■ KNX mini presence detector with integrated bus connector ■ KNX Secure ready ■ HCL/RGB control	■ Low profile KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ Parameterisation from ETS 5 for integration into KNX systems	■ Low profile KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ HCL/RGB control	■ KNX presence detector with integrated KNX bus coupler, especially for installation in walls ■ KNX Secure ready ■ Parameterisation from ETS 5 for integration into KNX systems
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					

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

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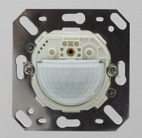









Technical Data	Indoor 180-KNXs-DX	RC-plus next N 230 KNXs-DX 230	PSN-230 / 640 / 30 / KNX REG	PSN-230 / 1280 / 30 / KNX REG	UAD1-230/KNXs REG
Product information	■ KNX presence detector with integrated KNX bus coupler, especially for installation in walls ■ KNX Secure ready ■ HCL/RGB control	■ KNX presence detector with integrated KNX bus connector ■ KNX Secure ready ■ Integrated downlight with orientation or a night light (RGB) function	■ Compact KNX bus power supply SELV with integrated choke ■ Auxiliary voltage unchoked 30V DC ■ Various status indicators via LED	■ Compact KNX bus power supply SELV with integrated choke ■ Auxiliary voltage unchoked 30V DC ■ Various status indicators via LED	■ Universal dimming actuator and switching actuator (1-channel) ■ Valve actuator with pulse width modulation (PWM) for thermal actuators ■ KNX Secure ready
Voltage	via KNX BUS	via KNX BUS	200 – 240 V AC 50 / 60 Hz	200 – 240 V AC 50 / 60 Hz	via KNX BUS
Typ. power input	12 mA	12 mA	–	–	3 mA
Output voltage	–	–	KNX BUS / 30 V DC	KNX BUS / 30 V DC	–
Power consumption	–	–	–	–	0.2 W
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	-5 °C to +50 °C	-5 °C to +45 °C	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant (PC)	polycarbonate, UV-resistant (PC)	Polycarbonate
Number of light sensors	1	1	–	–	–
Number of PIR sensors	1	3	–	–	–
Display elements	–	–	Green LED: in operation Red LED: overload	Status LED Bus voltage Status LED Output current Status LED Reset	–
KNX TP 256	Yes	Yes	Yes	Yes	Yes
Connections and wires	–	–	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
Switching power	–	–	–	–	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
Outputs	–	–	–	–	1 x Semiconductor output
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	–	–	640 mA	1280 mA	–
Nominal current (max.)	–	–	1300 mA	2620 mA	–
Degree of protection	FM = IP20	IP54	IP20	IP20	IP20
Protection class	Class III	Class III	Class I	Class I	Class II
Item number	FM = 93525 –	93527 white mat, similar to RAL9010 93528 black mat, similar to RAL9005	90214 –	90215 –	90225 –
Comprehensive product information					











Technical Data	LK-IP/KNXs REG	LAN-IF/KNXs REG	USB-C-IF/KNX	LK-TP/KNXs	BIA4-KNXs REG
Product information	■ Enables the secure forwarding (routing) of telegrams between different lines via a LAN (IP, Ethernet) as a fast backbone. ■ As a secure router, the device enables the coupling of unsecured communication on a KNX TP line with a secure IP backbone ■ Has an extended filter table for main group 0 to 31 and can buffer up to 150 telegrams	■ The LAN-IF/KNXs REG serves as a secure interface between a LAN (IP, Ethernet) and KNX ■ Can be used as programming interface for the ETS ■ As KNX Secure Interface (tunneling) the device prevents unauthorized access to the system	■ USB-C data interface and programming interface between PC/laptop and the KNX bus ■ Compact DIN rail mounting device with a width of just 18 mm (1 HP) ■ Supports KNX long frames from ETS 5 onwards	■ KNX TP Line coupler in a compact design. It connects two KNX bus segments via twisted pair ■ KNX Secure ready ■ extended filter table for main group 0 to 31	■ Compact binary input with 4 channels for controlling luminaires, blinds, etc ■ KNX Secure ready ■ Galvanically isolated inputs for external voltage from 12 to 230 V
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					

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

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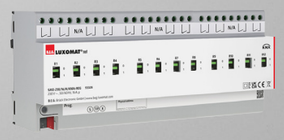



Technical Data	BIP4-KNXs REG	SA4 - 230 / 16 / H / KNXs REG	SA8 - 230 / 16 / H / KNXs REG	SA12 - 230 / 16 / H / KNXs REG	ViSTATION
Product information	■ Compact binary input with 4 channels for controlling luminaires, blinds, etc ■ KNX Secure ready ■ Galvanically isolated inputs for potential-free contacts	■ 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	via KNX BUS	via KNX BUS	via KNX BUS	5 V DC
Typ. power input	5 mA	5 mA typical 20 mA max.	5 mA typical 20 mA max.	5 mA typical 20 mA max.	–
Power consumption	–	0.15 W	0.15 W	0.15 W	max. 5 W
Ambient temperature	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C	0 °C to +45 °C
Housing	polycarbonate, UV-resistant	–	–	–	Polyamide, UV-resistant
KNX TP 256	Yes	Yes	Yes	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	KNX bus terminal black/red 0.2 ... 4.0 mm² rigid 0.25 ... 2.5 mm² fine-wired (with or without ferrule)	KNX bus terminal black/red 0.2 ... 4.0 mm² rigid 0.25 ... 2.5 mm² fine-wired (with or without ferrule)	KNX bus terminal black/red 0.2 ... 4.0 mm² rigid 0.25 ... 2.5 mm² fine-wired (with or without ferrule)	Ethernet/LAN
	–	**per channel**	**per channel**	**per channel**	–
Switching power	–	3680 W, cos φ = 1 max. inrush current Ip (150 µs) = 600 A	3680 W, cos φ = 1 max. inrush current Ip (150 µs) = 600 A	3680 W, cos φ = 1 max. inrush current Ip (150 µs) = 600 A	–
Type of contact	–	µ-contacts, dry NO contact	µ-contacts, dry NO contact	µ-contacts, dry NO contact	–
Outputs	–	4 switching outputs	8 switching outputs	12 switching outputs	–
Degree of protection	IP20	IP20	IP20	IP20	IP20
Protection class	Class III	Class II	Class II	Class II	Class II
Item number	90412 –	93224 –	93228 –	93328 –	93335 –
Comprehensive product information					

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

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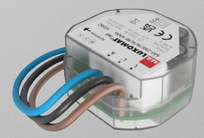



Technical Data	DA64-230/KNX REG DALI-2	LK-RF/KNXs	PD2N-RF-KNXs-DX	SA1-230 / 16 / H / RF-KNXs	USB-Stick-IF/KNX
Product information	■ KNX DALI gateway for controlling DALI lights ■ DALI-2 certified product ■ Each gateway is for controlling and dimming up to 64 electronic ballasts in 16 groups	■ KNX RF-TP media coupler (wireless) ■ KNX Secure ready ■ Compact flush-mounted housing	■ KNX RF presence detector ■ Communication via KNX RF radio ■ KNX Secure ready	■ KNX RF switching actuator 230V ■ Communication via KNX RF radio ■ Internal high-performance antenna, no kinking during installation	■ 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
Voltage	230 V AC -15/+10% 50 / 60 Hz	via KNX BUS	230 V AC ±10% 50 / 60 Hz	230 V AC ±10% 50 / 60 Hz	via KNX BUS
Typ. power input	6 mA (KNX, typical)	10 mA	–	–	3 mA typical
Output voltage	16 V DC (DALI, typical)	–	–	–	–
Power consumption	0.9 – 6 W	–	1 W	1.5 W	0.1 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	–	–
Temperature measurement range	–	–	-5 °C to +45 °C	–	–
Ambient temperature	-5 °C to +45 °C	-5 °C to +45 °C	-25 °C to +55 °C	-5 °C to +45 °C	-5 °C to +45 °C
Housing	PA66	ABS	polycarbonate, UV-resistant	–	ABS
Number of light sensors	–	–	2	–	–
Number of PIR sensors	–	–	1	–	–
KNX TP 256	Yes	Yes	–	–	Yes
KNX RF 256	–	Yes	Yes	Yes	–
Cable length	–	–	–	150 mm	–
Connections and wires	KNX bus terminal black/red	KNX bus terminal black/red	–	3 x 1.5 mm² Cu	1 x KNX bus terminal black/red USB type A
Switching power	–	–	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED	–
Type of contact	–	–	µ-contact, dry NO contact	µ-contacts, NO contact	–
Outputs	–	–	–	1	–
Orientation light	–	–	5 – 100 % / OFF / 1 min – 255 min	–	–
Night light	–	–	5 – 100 %	–	–
Brightness set value	–	–	5 – 2000 Lux	–	–
Frequency	–	868.3 MHz (EU), 6 dBm	868.3 MHz (EU), 10 dBm	868.3 MHz (EU), 10 dBm	–
Transmit range	–	max. 150 m	max. 150 m	max. 150 m	–
Nominal current	160 mA	–	–	–	–
Nominal current (max.)	250 mA	–	–	–	–
Degree of protection	IP20	FM = IP20	FC = IP20	FM = IP20	IP20
Protection class	Class II	Class III	Class II	Class II	Class III
Item number	93338 –	FM = 90407 blue	FC = 93580 white mat, similar to RAL9010	FM = 93582 –	90409 –
Comprehensive product information					

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

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

KNX







Technical Data	WS-VOC-HVAC-KNX	PB-KNX-ST	PBM-KNXs-DX-4W
Product information	■ Temperature controller and VOC (volatile organic compounds) sensor for KNX bus ■ Temperature control: PI controller (continuous), 2-step controller % , 2-step switching, PWM ■ Preset temperature curves for different heating/cooling systems	■ Binary input device (multi-point push-button) for use in 60 mm flush-mounted boxes ■ Suitable for switch ranges 55x55 ■ Adapter for switch ranges 64x64 included	■ Binary input or output device (push-button interface) for pattress boxes (60 mm) ■ KNX Secure ready ■ 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.
Voltage	via KNX BUS	via KNX BUS	via KNX BUS
Typ. power input	12 mA	9.5 mA (typ.) (Imax parameterisable 12.5 mA or 20 mA)	9.5 mA (typ.) (Imax parameterisable 12.5 mA or 20 mA)
Power consumption	–	–	0.3 W
Ambient temperature	-5 °C to +45 °C	-5 °C to +45 °C	-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	(2-8) x LED (status; red, green, flashing)	Programming LED
Manual operation	Programming button, push-button for comfort function, Potentiometer for setpoint adjustment	93172: 2 x Push-button function 93174: 4 x Push-button function 93176: 6 x Push-button function 93178: 8 x Push-button function	–
KNX TP 256	Yes	Yes	Yes
Cable length	–	–	270 mm
Connections and wires	KNX bus terminal black/red	2 x 1 mm pins for bus terminal plug board: 8 pin	plug board: 8 pin Prefabricated connecting wires (extendable to a total of max. 5 m)
LED connector	–	–	Imax 3.6 mA const. (PWM) LED 3.5 V / 4 mA
Degree of protection	FM = IP20	FM = IP20 / FM = IP20 / FM = IP20 / FM = IP20	FM = IP20 / FM = IP20
Protection class	Class III	Class III	Class III
Item number	FM = 93806 white	FM = 93172 white FM = 93174 white FM = 93176 white FM = 93178 white	FM = 93412
Comprehensive product information			











Technical Data	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 ■ Seemless 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 ■ Seemless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option	■ 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.	■ Mini DALI multisensor with only 11mm installation depth for installation in luminiares ■ Powered via DALI bus ■ Seemless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option	■ 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
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	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)	–	PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)	Smartphone with DALI-LINK App (iOS / Android)
Typ. power input	4 mA	7 mA	7 mA	2 mA	7 mA
Power consumption	0.1 W	–	–	–	–
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° oval (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	30 m x 19 m	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated	–
Monitored area (tangential movement)	63 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	440 m² / 14 m mounting height	78 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	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m	–
Impact strength	IK02	IK04	IK04	IK04	–
Ambient temperature	-25 °C to +50 °C	-25 °C to +55 °C	-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	polycarbonate, UV-resistant	Polycarbonate
Cable length	–	–	–	–	max. 50 cm
Connections and wires	0.5 – 2.5 mm² for solid conductors	–	–	–	–
Follow-up time	1 sec – 120 min	1 sec – 120 min	1 sec – 120 min	–	1 min – 150 min (staircase mode only)
Orientation light	5 – 100 % / 1 min – 120 min / ∞	5 – 100 % / 1 min – 120 min / ∞	5 – 100 % / 1 min – 120 min / ∞	–	–
Brightness set value	10 – 2500 Lux	10 – 2500 Lux	10 – 2500 Lux	10 – 2500 Lux	–
Frequency	–	–	–	–	2.4 GHz ISM band, GFSK 3 dBm
Degree of protection	FC = IP20	IP20	SM = IP54	FC = IP20	IP20
Protection class	Class II	Class II	Class II	Class II	Class II
Item number	FC = 93068 white mat, similar to RAL9010	93377 white mat, similar to RAL9010	SM = 93845 white mat	FC = 93908 white, similar to RAL9010	92732 –
Comprehensive product information					

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











Technical Data	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	■ Binary DALI input device for installation in in-wall sockets ■ 4 inputs for conventional push-buttons, freely configurable ■ Operating modes: Standard, staircase or scene mode	■ DALI power supply for the B.E.G. DALI-LINK multi room solution for installation in suspended ceilings. ■ Parameterisation of the DALI-LINK solution via Bluetooth with a smartphone and the B.E.G. DALI-LINK App. ■ For example, 25 DALI luminaires and 6 DALI-LINK control devices (multi-sensors or push-button interfaces) can be connected to the power supply.	■ DALI power supply with integrated USB interface for DIN-rail mounting ■ For example, 45 DALI luminaires and 10 DALI-LINK control devices (multi-sensors or push-button interfaces) can be connected to the power supply. ■ Integrated USB interface allows expansion to networkable B.E.G. LUXOMAT®net DALI-SYS lighting management solution	■ Smartphone App for commissioning and/or operating the B.E.G. LUXOMATnet DALI-LINK multi room lighting control solution ■ 2 software versions for iOS and Android ■ Available for free in the corresponding app store (search for „B.E.G. DALI-LINK“)	■ DALI-LINK Multi Room Solution - Starter Set ■ DALI push-button module with 4 binary inputs and integrated Bluetooth gateway for hidden mounting behind flush mount switches. ■ Particularly flat, addressable DALI multi sensor with a visible height of only 0.85 mm and with integrated DALI application controller.
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					

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

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

DALI-LINK



Technical Data	RM1-LINK-REG DALI-2
Product information	■ DIN-rail DALI relay module with 1 switching channel ■ High-output and potential-free contact for loads with high inrush current ■ Integrated application controller with different operating modes
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
	Relay
Switching power	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	PD2N-DALI-SYS	PD4N-DALI-SYS
■ Wide range DALI multisensor for outdoor ■ Powered via DALI bus ■ Seemless integration in B.E.G. LUXOMAT®net DALI-SYS	■ DALI multisensor ■ Powered via DALI bus ■ Seemless integration in B.E.G. LUXOMAT®net DALI-SYS	■ Wide range DALI multisensor ■ Powered via DALI bus ■ Seemless integration in B.E.G. LUXOMAT®net DALI-SYS
via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22.5 V DC	via DALI Bus, max. 22.5 V DC
B.E.G. PC Tools, B.E.G. DALI-SYS router	B.E.G. PC Tools, B.E.G. DALI-SYS router	B.E.G. DALI-SYS ROUTER / B.E.G. DALI-SYS PC-Tools
7 mA	3 mA	7 mA
horizontal 280° (Wall mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)
max. 16 m across max. 9 m towards	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
620 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height
2 m / 3 m / 2.5 m	2 m / 5 m / 2.5 m	2 m / 10 m / 2.5 m
IK02	IK05	IK04
-25 °C to +50 °C	-25 °C to +55 °C	-25 °C to +55 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
–	–	–
–	–	–
–	–	–
1 sec – 120 min	1 sec – 120 min	1 sec – 120 min
5 – 100 % / 1 s – 120 min	5 – 100 % / 1 min – 120 min / ∞	5 – 100 % / 1 min – 120 min / ∞
10 – 2500 Lux	10 – 2500 Lux	10 – 2500 Lux
–	–	Mixed light measuring
IP54	FM = IP20 / FC = IP20	IP20
Class II	Class II	Class II
93308 white mat, similar to RAL9010	FM = 93368 white FC = 93369 white	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.

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





Technical Data	PD4-DALI-SYS-GH	PICO-DALI-SYS
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.	■ Mini DALI multisensor with only 11mm installation depth for installation in luminiares ■ Powered via DALI bus ■ Seemless integration in B.E.G. LUXOMAT®net DALI-SYS
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		

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.

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

DALI-SYS







Technical Data	PD11-DALI-SYS-FLAT	PBM-DALI-SYS-4W	ROUTER2-DALI-SYS-BACnet-REG
Product information	■ Low profile DALI multisensor (visible height: 0,85 mm) ■ Powered via DALI bus ■ Seemless integration in B.E.G. LUXOMAT®net DALI-SYS	■ Binary DALI input device for installation in in-wall sockets ■ 4 inputs for conventional push-buttons, freely configurable ■ Seemless integration in B.E.G. LUXOMAT®net DALI-SYS	■ Router with integrated web server and application controller for DIN rail mounting according to DIN EN 60715. ■ 4 USB ports for controlling up to 4 separately available B.E.G. application controllers with integrated DALI power supply unit ■ 1 LAN port for networking up to 100 devices, up to 400 interconnected DALI lines possible
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.





Technical Data	ROUTER2-DALI-SYS-REG	PS-DALI-SYS-USB-REG
Product information	■ Router with integrated web server and application controller for DIN rail mounting according to DIN EN 60715. ■ 4 USB ports for controlling up to 4 separately available B.E.G. application controllers with integrated DALI power supply unit ■ 1 LAN port for networking up to 100 devices, up to 400 interconnected DALI lines possible	■ DALI power supply with integrated USB interface for DIN-rail mounting ■ As standalone solution or for seamless integration into B.E.G. LUXOMAT®net DALI-SYS ■ Integrated application controller for addressing up to 64 DALI components
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		

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.





ViSTATION-DALI-SYS-REG	RM1-SYS-REG DALI-2
■ Virtual Interface Station - The visualisation and remote server for the B.E.G. LUXOMAT®net DALI-SYS lighting management system ■ Plastic housing, 4 widths units (DIN-rail, top hat) ■ 1 Ethernet/LAN connection	■ DIN-rail DALI relay module with 1 switching channel ■ High-output and potential-free contact for loads with high inrush current ■ Seemless integration in B.E.G. LUXOMAT®net DALI-SYS
5 V DC	via DALI Bus, max. 22 V DC
–	via B.E.G. BLE App, B.E.G. PC Tools, B.E.G. DALI Router
–	5 mA
–	–
max. 5 W	–
0 °C to +45 °C	-25 °C to +50 °C
Polyamide, UV-resistant	polycarbonate, UV-resistant
–	–
–	**Relay**
–	3000 W, cos φ = 1 1500 VA, cos φ = 0.5
–	µ-contact, NO contact
–	1 min – 150 min (Cut-off and HVAC mode only)
–	–
IP20	IP20
Class II	Class II
93023 grey	93082 white

*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.





Technical Data	PD4N-CAS	PD4N-CAS DALI-2
Product information	■ Casambi-enabled presence detector ■ Bright LED indication for commissioning ■ Mixed light measurement with internal and external light sensor	■ Casambi-enabled presence detector ■ DALI-2 interface for controlling digital dimmable ECGs in broadcast/multicast mode ■ Integrated temperature monitoring and short-circuit detection
Voltage	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
Settings	Casambi App	Casambi App
Power consumption	0.5 W	0.5 W
Detection area	horizontal 360° oval (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
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	-5 °C to +45 °C	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Number of PIR sensors	4	4
	Channel 1 (lighting control)	**Channel 1 (lighting control)**
DALI output	–	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	1 sec – 60 min
Brightness set value	1 – 4000 Lux	1 – 4000 Lux
	Mixed light measuring	Mixed light measuring
Degree of protection	FC = IP20	SM = IP20
Protection class	Class II	Class II
Item number	FC = 93474 white mat, similar to RAL9010	SM = 93473 white mat, similar to RAL9010
Comprehensive product information		

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







PD2N-CAS	PD2N-CAS DALI-2	PD4-CAS2-GH
■ Casambi-enabled presence detector ■ Mixed light measurement with internal and external light sensor ■ Weighting between internal and external light sensor can be adapted to suit the application	■ Casambi-enabled presence detector ■ DALI-2 interface for controlling digital dimmable ECGs in broadcast/multicast mode ■ Integrated temperature monitoring and short-circuit detection	■ Casambi-enabled presence detector for surface mounting in large mounting heights ■ Bright LED indication for commissioning ■ External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz	230 V AC ±10% 50 Hz
Casambi App	Casambi App	Casambi App
0.5 W	0.5 W	0.4 W
horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° oval (Ceiling mounting)
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
78 m² / 2.5 m mounting height	78 m² / 2.5 m mounting height	440 m² / 14 m mounting height
2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m	5 m / 16 m / 14 m
IK04	IK04	IK04
-5 °C to +45 °C	-5 °C to +45 °C	-5 °C to +45 °C
polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
1	1	–
Channel 1 (lighting control)	**Channel 1 (lighting control)**	**Channel 1 (lighting control)**
–	80 mA (guaranteed), 125 mA (max.), shut down mechanism	–
–	DT0, DT5, DT6, DT7, DT8	–
–	- (single master)	–
1 sec – 60 min	1 sec – 60 min	1 sec – 60 min
1 – 4000 Lux	1 – 4000 Lux	1 – 4000 Lux
Mixed light measuring	Mixed light measuring	Mixed light measuring
FC = IP20	IP20	SM = IP54
Class II	Class II	Class II
FC = 93477 white mat, similar to RAL9010	93476 white mat, similar to RAL9010	SM = 93479 white mat, similar to RAL9010

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

Casambi



Technical Data	PD4-CAS2-GH DALI-2
Product information	■ Casambi-enabled presence detector for surface mounting in large mounting heights ■ Integrated DALI power supply ■ DALI-2 interface for controlling digital dimmable ECGs in broadcast mode
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
	Channel 1 (lighting control)
DALI output	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
	Mixed light measuring
Degree of protection	SM = IP54
Protection class	Class II
Item number	SM = 93478 white mat, similar to RAL9010
Comprehensive product information	

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

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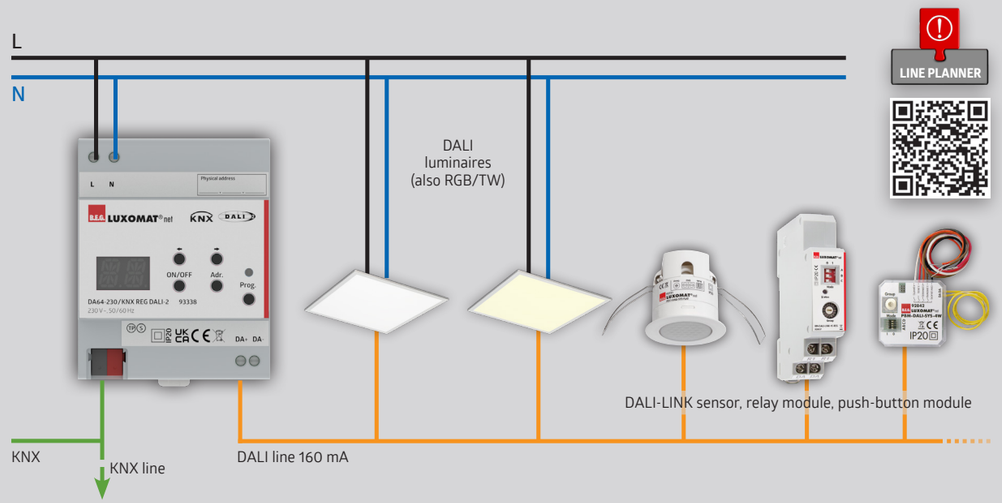
- Combines the advantages of DALI and KNX BUS
- Reduced installation effort
- Includes scene mode and RGB/TW control
- Controls up to 64 ECGs in 16 groups
- Greater flexibility and operational reliability

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













Technical Data	PD2N-BMS DALI-2	PD4N-BMS DALI-2	PD4-BMS-GH-SM DALI-2	PICO-BMS DALI-2	PD11-BMS-FLAT DALI-2
Product information	■ DALI-2 multisensor (input device) ■ DALI-2 certified product ■ Powered via DALI bus	■ Long-range DALI-2 multisensor (input device) ■ DALI-2 certified product ■ Powered via DALI bus	■ DALI-2 multisensor (input device) for surface mounting in large mounting heights ■ DALI-2 certified product ■ Powered via DALI bus	■ Particularly small DALI-2 multisensor (input device) with only 11mm installation depth for installation in luminiares ■ DALI-2 certified product ■ Powered via DALI bus	■ Low profile DALI-2 multisensor (input device) having a visible height of only 0.85 mm ■ DALI-2 certified product ■ Powered via DALI bus
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	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	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	7 mA	7 mA
Settling time	200 ms	200 ms	200 ms	200 ms	200 ms
Detection area	horizontal 360° (Ceiling mounting)	horizontal 360° (Ceiling mounting)	horizontal 360° oval (Ceiling mounting)	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	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)	78 m² / 2.5 m mounting height	450 m² / 2.5 m mounting height	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	2 m / 5 m / 2.5 m	2 m / 10 m / 2.5 m	5 m / 16 m / 14 m	2 m / 5 m / 2.5 m	2 m / 5 m / 2.5 m
Impact strength	IK05	IK04	IK04	IK04	IK02
Measured light output	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring	0 - 4095 Lux, Mixed light measuring
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C	-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	polycarbonate, UV-resistant	polycarbonate, UV-resistant
Degree of protection	FM = IP20 / FC = IP20	IP20	SM = IP54	FC = IP20	FC = IP20
Protection class	Class II	Class II	Class II	Class II	Class II
Item number	FC = 93543 white, similar to RAL9010 FM = 93544 white, similar to RAL9010	93546 white mat, similar to RAL9010	SM = 93545 white mat, similar to RAL9010	FC = 93547 white, similar to RAL9010	FC = 93542 white mat, similar to RAL9010
Comprehensive product information					

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

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

BMS DALI-2











Technical Data	Indoor 180-BMS DALI-2	LC-Mini 120-BMS DALI-2	PD5N-LAMELLA-BMS2 DALI-2	IM4-BMS DALI-2	PB-BMS DALI-2
Product information	■ DALI-2 multisensor (input device), especially for installation in walls ■ DALI-2 certified product ■ Powered via DALI bus	■ DALI-2 multisensor (input device) with a detection area of 120° ■ DALI-2 certified product ■ Powered via DALI bus	■ DALI-2 multisensor (input device) for installation in lamella ceilings or luminaires ■ DALI-2 certified product ■ Powered via DALI bus	■ Binary DALI input device for installation in in-wall sockets ■ 4 inputs for conventional push-buttons, freely configurable ■ DALI-2 certified product	■ Binary input device (multi-point push-button) for use in 60 mm flush-mounted boxes ■ Suitable for switch ranges 55x55 ■ Adapter for switch ranges 64x64 included
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	via DALI Bus, max. 22 V	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	via DALI bus and any software that supports the configuration of existing instance types in accordance with IEC62386	–
Typ. power input	7 mA	7 mA	4.5 mA	4.6 mA	4.6 mA
Settling time	200 ms	200 ms	200 ms	200 ms	200 ms
Power consumption	approx. 0.5 W	approx. 0.5 W	–	–	
Detection area	horizontal 180° (Wall mounting)	horizontal 120° (Wall mounting)	horizontal 360° (Ceiling mounting)	–	
Range	max. 10 m across max. 3 m towards	max. 10 m across max. 4 m towards	max. Ø 12 m across max. Ø 5 m towards max. Ø 4 m seated	–	
Monitored area (tangential movement)	150 m² / 1.1 m mounting height	100 m² / 2.5 m mounting height	110 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	2 m / 5 m / 2.5 m	–	
Impact strength	IK05	–	–	–	
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 +55 °C	-25 °C to +50 °C	-25 °C to +50 °C	-25 °C to +50 °C	-5 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant	Polycarbonate
Display elements	–	–	–	–	(2-8) x LED (status; red, green, flashing)
Manual operation	–	–	–	–	93835: 2 x Push-button function 93836: 4 x Push-button function 93837: 6 x Push-button function 93838: 8 x Push-button function
Cable length	–	–	300 mm	50 cm	–
Connections and wires	–	–	plug WAGO 890-1112	–	–
Degree of protection	IP20	IP44	IP20	FM = IP20	FM = IP20 / FM = IP20 / FM = IP20 / FM = IP20
Protection class	Class II	Class II	Class II	Class II	Class II
Item number	93540 white mat, similar to RAL9010	93541 white mat, similar to RAL9010	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
Comprehensive product information					

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

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



HCL
HCL

Presence-dependent control

Daylight-dependent control (dimming)

Time-based control

Situations/ scenes

Partitionable rooms

Automatic addressing

QR code installation check

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



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.

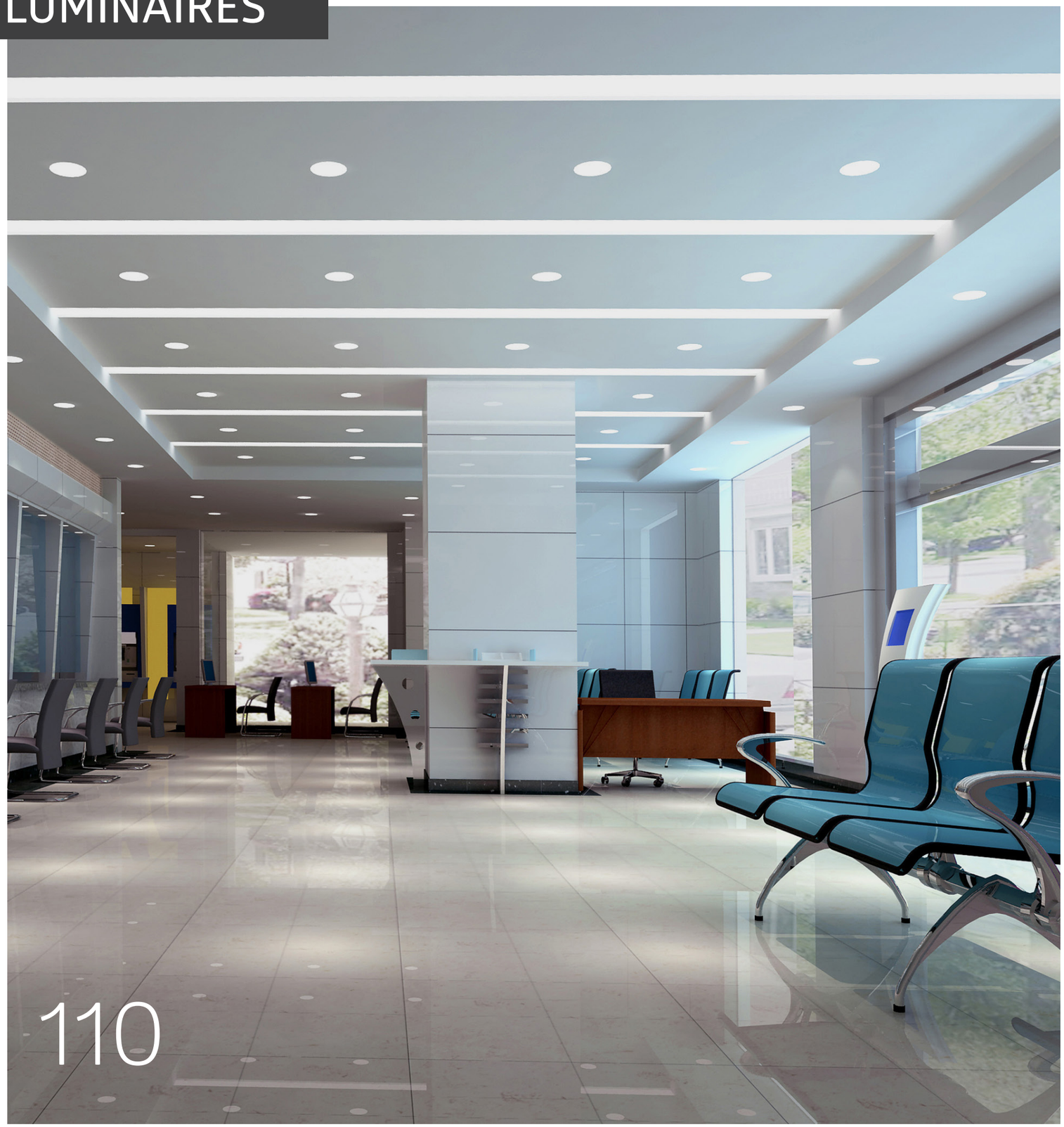
You do not need to establish a physical connection to devices or install any software. A floor plan for planning and commissioning provides a convenient overview and speeds up your work processes.

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. ■

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



LUMINAIRES





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.











Technical Data	ALC-B-360	SG Oslo	SG Wien	SG KR Crystal Spare glass ALC-K	AL1 130
Product information	■ System light lower sections ALC-B/-K with motion detector and twilight switch ■ ALC-B combinable with various system glasses. ALC-K includes system glass Crystal! ■ Vertical detection range 360° and horizontal detection range 120°	■ For freely combining with the system light base ALC-B-360	■ For freely combining with the system light base ALC-B-360	■ For freely combining with the system light base ALC-B-360	■ 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
Voltage	230 V AC +/- 10% 50 / 60 Hz	–	–	–	230 V AC +/- 10% 50 / 60 Hz
Lamp	max. 100 W with bulb socket E 27	–	–	–	max. 60 W with bulb socket E 27
Photobiological safety	RG 0	–	–	–	RG 0
Ambient temperature	-10 °C to +40 °C	–	–	–	-10 °C to +40 °C
Housing	polycarbonate, UV-resistant	bubble glass - Crystal	opal - glossy	–	polycarbonate, UV-resistant
	Motion detector	–	–	–	**Motion detector**
Switching power	1000 W, cos φ = 1 500 VA, cos φ = 0.5	–	–	–	1000 W, cos φ = 1 500 VA, cos φ = 0.5
Detection area	horizontal 350° (Wall mounting)	–	–	–	horizontal 130° (Wall mounting)
Range	max. 10 m across max. 6 m towards max. 4 m anti-creep protection	–	–	–	max. 9 m across max. 3 m towards
Follow-up time	4 sec – 10 min	–	–	–	4 sec – 10 min
Switch-on threshold	2 – 1000 Lux	–	–	–	2 – 1000 Lux
Degree of protection	IP44				IP44
Protection class	Class II				Class II
Item number	91301 white 91321 black	94101 transparent	94113 white	94115 transparent	91400 white
Comprehensive product information					

*Discontinued product

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

*Discontinued product

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





Technical Data	L8-LEDN-HF	L9-LEDN-HF
Product information	■ Round LED light for wall or ceiling mounting with integrated microwave detector ■ Energy efficient light with long service life > 50,000 hours ■ Broad light distribution using diffused light covers	■ Round LED light for wall or ceiling mounting with integrated microwave detector ■ Microwave detector not visible externally ■ HF technology: 5.8 GHz - reacts to the smallest motion, independently of temperature
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
	Microwave detector	**Microwave detector**
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		

*Discontinued product

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







Technical Data	AL8-25-300-LEDN-HF	AL8-25-300-LED-3C-HF	AL12-25-300-LED-3C-HF
Product information	■ Flat round LED luminaires for wall or ceiling mounting ■ Energy efficient light with long service life > 50,000 hours ■ Broad light distribution using diffused light covers	■ Flat round LED luminaires for wall or ceiling mounting ■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination ■ Energy efficient light with long service life > 50,000 hours	■ Flat LED light for wall or ceiling mounting ■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination ■ Energy efficient light with long service life > 50,000 hours
Voltage	200 – 240 V AC 50 Hz	200 – 240 V AC 50 Hz	200 – 240 V AC 50 Hz
Colour temperature	4000 K	3000 / 4000 / 5700 K	3000 / 4000 / 5700 K
Luminous flux / intensity	2500 lm	2000 / 2500 / 2400 lm	2500 / 2700 / 2600 lm
Anti-glare	UGR < 25	UGR < 25	UGR < 25
Efficiency	100 lm/W	80 / 100 / 96 lm/W	100 / 108 / 104 lm/W
Photobiological safety	RG 0	RG 0	RG 0
Colour reproduction	CRI > 80 / TM30: 82	CRI > 80 / TM30: 82	CRI > 80 / TM30: 82
Rated life time	50000 h (L80/B10)	50000 h (L80/B10)	50000 h (L80/B10)
Power consumption	25 W / PF 0.9	25 W / PF 0.9	25 W / PF 0.9
Flammability rating	UL-94 V2, 750°C	UL-94 V2, 750 °C	UL-94 V2, 750 °C
Impact strength	IK10	IK10	IK10
Ambient temperature	-20 °C to +45 °C	-20 °C to +45 °C	-20 °C to +45 °C
Housing	polycarbonate, UV-resistant	polycarbonate, UV-resistant	polycarbonate, UV-resistant
	Microwave detector	**Microwave detector**	**Microwave detector**
Radar / HF technology	5.8 GHz, < 0.5 mW	5.8 GHz, < 0.5 mW	5.8 GHz, < 0.5 mW
Switching power	–	–	–
Detection area	horizontal 360° (Ceiling mounting) Ø null – 12 m	horizontal 360° (Ceiling mounting) Ø 2 – 12 m	horizontal 360° (Ceiling mounting) Ø 2 – 12 m
Range	max. Ø 14 m towards	max. Ø 14 m towards	max. Ø 14 m towards
Follow-up time	20 sec – 10 min	20 sec – 10 min	20 sec – 10 min
Switch-on threshold	inactive / 5 – 50 Lux	inactive / 5 – 50 Lux	inactive / 5 – 50 Lux
Degree of protection	IP20	IP20	IP20
Protection class	Class II	Class II	Class II
Item number	93631 white, similar to RAL9016	93141 white, similar to RAL9016	93145 white, similar to RAL9016
Comprehensive product information			

*Discontinued product

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





Technical Data	AL93-20-300-LED-3C-HF	HF-L1
Product information	■ Flat round LED luminaires for ceiling mounting ■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination ■ Energy efficient light with long service life > 50,000 hours	■ Wall and ceiling light with integrated microwave detector ■ Range, switch-on threshold and follow-up time set via potentiometers ■ HF technology: 5.8 GHz - reacts to the smallest motion, independently of tem-perature
Voltage	220 – 240 V AC 50 / 60 Hz	230 V AC ±10% 50 / 60 Hz
Colour temperature	3000 / 4000 / 5700 K	–
Luminous flux / intensity	1600 / 1850 / 1700 lm	–
Lamp	–	max. 23 W with bulb socket E 27
Anti-glare	UGR < 19	–
Efficiency	80 / 92 / 85 lm/W	–
Photobiological safety	RG 0	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	-15 °C to +30 °C
Housing	Polycarbonate / ADC12	silk-mat glass
	Microwave detector	**Microwave detector**
Type of contact	–	–
Radar / HF technology	5.8 GHz, < 0.5 mW	5.8 GHz, < 10 mW
Switching power	–	1200 W, cos φ = 1 600 VA, cos φ = 0.5
Detection area	horizontal 360° (Ceiling mounting) Ø 2 – 8 m	horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m
Range	max. Ø 14 m towards	–
Follow-up time	5 sec – 30 min	5 sec – 15 min
Switch-on threshold	inactive / 5 – 50 Lux	2 – 2000 Lux
Degree of protection	IP54	IP40
Protection class	Class II	Class II
Item number	93632 white, similar to RAL9016	94440 white
Comprehensive product information		

*Discontinued product

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







HF-L8	HF-L11	AL8-25-300-LED-3C
■ Wall and ceiling light with integrated microwave detector ■ HF technology: 5.8 GHz - reacts to the smallest motion, independently of tem-perature ■ Extremely short response time	■ Wall and ceiling light with integrated microwave detector ■ HF technology: 5.8 GHz - reacts to the smallest motion, independently of tem-perature ■ Extremely short response time	■ Flat round LED luminaires for wall or ceiling mounting ■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination ■ Every colour temperature is externally dimmable
230 V AC ±10% 50 / 60 Hz	230 V AC ±10% 50 / 60 Hz	200 – 240 V AC 50 Hz
–	–	3000 / 4000 / 5700 K
–	–	2000 / 2500 / 2400 lm
max. 23 W with bulb socket E 27	max. 2 x 23 W with bulb socket E 27	–
–	–	UGR < 25
–	–	80 / 100 / 96 lm/W
RG 0	RG 0	RG 0
–	–	CRI > 80 / TM30: 82
–	–	50000 h (L80/B10)
–	–	25 W / PF 0.9
–	–	UL-94 V2, 750 °C
94445=IK02, 94450=IK06	IK02	IK10
-15 °C to +30 °C	-15 °C to +30 °C	-20 °C to +45 °C
HF-L8: acrylic glass **HF-L7:** Polycarbonate	acrylic glass	polycarbonate, UV-resistant
Microwave detector	**Microwave detector**	–
–	µ-contact, NO contact	–
5.8 GHz, < 10 mW	5.8 GHz, < 10 mW	–
1200 W, cos φ = 1 600 VA, cos φ = 0.5	1200 W, cos φ = 1 600 VA, cos φ = 0.5	–
horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m	horizontal 360° (Ceiling mounting) Ø 0.4 – 16 m	–
–	–	–
15 sec – 15 min	15 sec – 15 min	–
2 – 2000 Lux	2 – 2000 Lux	–
IP40	IP40	IP54
Class I	Class I	Class II
94445* white 94450* white	94447* white	93621 white, similar to RAL9016

*Discontinued product

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





Technical Data	AL12-25-300-LED-3C	AL93-20-300-LED-3C
Product information	■ Flat LED light for wall or ceiling mounting ■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination ■ Every colour temperature is externally dimmable	■ Flat round LED luminaires for ceiling mounting ■ Three colours in one light, switchable selection between warm, neutral or day-light white illumination ■ Energy efficient light with long service life > 50,000 hours
Voltage	200 – 240 V AC 50 Hz	220 – 240 V AC 50 / 60 Hz
Colour temperature	3000 / 4000 / 5700 K	3000 / 4000 / 5700 K
Luminous flux / intensity	2500 / 2700 / 2600 lm	1600 / 1850 / 1700 lm
Lamp	–	–
Anti-glare	UGR < 25	UGR < 19
Efficiency	100 / 108 / 104 lm/W	80 / 92 / 85 lm/W
Photobiological safety	RG 0	RG 0
Colour reproduction	CRI > 80 / TM30: 82	CRI > 80
Rated life time	50000 h (L80/B10)	50000 h (L80/B10)
Power consumption	25 W / PF 0.9	20 W / PF 0.8
Flammability rating	UL-94 V2, 750 °C	UL-94 V2, 750 °C
Impact strength	IK10	IK08
Ambient temperature	-20 °C to +45 °C	-20 °C to +45 °C
Housing	polycarbonate, UV-resistant	Polycarbonate / ADC12
Degree of protection	IP54	IP54
Protection class	Class II	Class II
Item number	93615 white, similar to RAL9016	93633 white, similar to RAL9016
Comprehensive product information		

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







L1	L11	L7/L8
■ Round wall and ceiling light ■ Ideally supplements the HF-L1 ■ Supply without lamp	■ Round wall and ceiling light ■ Ideally supplements the HF-L11 ■ Supply without lamp	■ Round wall and ceiling light ■ Acrylic glass is suitable for all standard applications ■ Polycarbonatee is appropriate for areas where greater impact resistance is required (e.g. schools, public buildings)
230 V AC ±10% 50 / 60 Hz	230 V AC ±10% 50 / 60 Hz	230 V AC ±10% 50 / 60 Hz
–	–	–
–	–	–
max. 23 W with bulb socket E 27	max. 2 x 23 W with bulb socket E 27	max. 23 W with bulb socket E 27
–	–	–
–	–	–
RG 0	RG 0	RG 0
–	–	–
–	–	–
–	–	–
–	–	–
–	IK02	94446=IK02, 94451=IK06
-15 °C to +30 °C	-15 °C to +30 °C	-15 °C to +30 °C
silk-mat glass	acrylic glass	**L8:** acrylic glass **L7:** Polycarbonate
IP40	IP40	IP40
Class II	Class I	Class I
94453 white	94448* white	94446* white 94451* white

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



Technical Data	PL2-30120D-LED-AG-DALI-TW
Product information	■ Suspended LED panel luminaire ■ direct and indirect illumation with separate control ■ Adjustable light colour from 2700 K to 6500 K
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	

*Discontinued product

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



SAFETYLUX portable LED
■ Extremely powerful portable LED emergency light with three operating modes: main beam, blinking warning light, and orientation light ■ Central LED beam with reflector ■ Broad illumination of the surroundings thanks to peripherally arranged LEDs
–
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

*Discontinued product

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

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.





Technical Data	TS-DW1	TS-DW-2-NFC
Product information	■ Digital time switch with week program for installation in switch cabinets ■ 1 channel ■ Switching capacity 16 A	■ Digital time switch with week program for installation in switch cabinets ■ 1 channel ■ Switching capacity 16 A per channel
Voltage	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz
Power consumption	approx. 0.7 W	0.2 – 1 W
Power back-up (at 20 °C)	approx. 6 years	approx. 10 years
Ambient temperature	-10 °C to +50 °C	-30 °C to +55 °C
Housing	self-extinguishing thermoplastic	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 Ip (20ms) = 30 A	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current Ip (20 ms) = 50 A
Type of contact	contact gap < 3 mm (µ-contact), dry Changeover contact	µ-contact, Changeover contact, contact gap < 3 mm
Outputs	–	1
Degree of protection	IP20	IP20
Protection class	Class II	Class II
Item number	92656	93152
Comprehensive product information		

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







	TS-DW-3-NFC	TS-ASTRO1	TS-ASTRO-2-NFC
	■ Digital time switch with week program for installation in switch cabinets ■ 2 channels ■ Switching capacity 16 A per channel	■ Digital ASTRO time switch for installation in branches ■ 1 channel ■ 60 memory locations	■ Digital ASTRO time switch for installation in branches ■ 1 channel ■ 56 memory locations
	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz
	0.2 – 1 W	–	0.2 – 1 W
	approx. 10 years	approx. 6 years	approx. 10 years
	-30 °C to +55 °C	-10 °C to +50 °C	-30 °C to +55 °C
	self-extinguishing thermoplastic	self-extinguishing thermoplastic	self-extinguishing thermoplastic
	–	High resolution LC display	–
	–	Screw terminals (pull-up type terminals)	–
	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current Ip (20 ms) = 50 A	16 A / 250 V at cos φ = 1 max. inrush current Ip (20ms) = 165 A 2000 W max. Resistive loads	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current Ip (20 ms) = 50 A
	µ-contact, Changeover contact, contact gap < 3 mm	1x contact gap < 3 mm (µ-contact), NO contact	µ-contact, Changeover contact, contact gap < 3 mm
	2	–	1
	IP20		IP20
	Class II	Class II	Class II
	93153	92669	93142 grey

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











Technical Data	TS-ASTRO-3-NFC	TS-ASTRO-4-BLE	TS-ASTRO-5-BLE	TS-DY1	TS-DY2
Product information	■ Digital ASTRO time switch for installation in branches ■ 2 channels ■ 56 memory locations	■ Digital ASTRO time switch for installation in branches ■ 1 channel ■ Daily and weekly program	■ Digital ASTRO time switch for installation in branches ■ 2 channels ■ Daily and weekly program	■ Digital time switch with year program for installation in switch cabinets ■ 1 channel ■ Compact 36 mm wide housing	■ Digital time switch with year program for installation in switch cabinets ■ 4 channels ■ Switching capacity 16 A
Voltage	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz
Power consumption	0.2 – 1 W	0.3 – 1 W	0.3 – 1 W	approx. 1.5 W	approx. 2 W
Power back-up (at 20 °C)	approx. 10 years	approx. 10 years	approx. 10 years	approx. 6 years	approx. 6 years
Ambient temperature	-30 °C to +55 °C	-30 °C to +55 °C	-30 °C to +55 °C	-10 °C to +55 °C	-10 °C to +55 °C
Housing	self-extinguishing thermoplastic	self-extinguishing thermoplastic	self-extinguishing thermoplastic	self-extinguishing thermoplastic	self-extinguishing thermoplastic
Display elements	–	–	–	High resolution LC display	High resolution LC display
Connections and wires	–	–	–	Screw terminals (pull-up type terminals)	Screw terminals (pull-up type terminals)
Switching power	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current Ip (20 ms) = 50 A	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current Ip (20 ms) = 50 A	3680 W / 16 A, cos φ = 1 2300 VA, cos φ = 0.6 200 W LED max. inrush current Ip (20 ms) = 50 A	16 A / 250 V at cos φ = 1 max. inrush current Ip (20ms) = 50 A 2000 W max. Resistive loads	10 A / 250 V at cos φ = 1 max. inrush current Ip (20ms) = 50 A
Type of contact	µ-contact, Changeover contact, contact gap < 3 mm	µ-contact, Changeover contact, contact gap < 3 mm	µ-contact, Changeover contact, contact gap < 3 mm	contact gap < 3 mm (µ-contact), Changeover contact	contact gap < 3 mm (µ-contact), Changeover contact
Outputs	2	1	2	–	–
Degree of protection	IP20	IP20	IP20	IP20	IP20
Protection class	Class II	Class II	Class II	Class II	Class II
Item number	93143 grey	93161 grey	93162 grey	92674	92675
Comprehensive product information					

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

Digital time switches

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









Technical Data	TS-AD1	TS-AD2	TS-AD3	TS-AD4
Product information	■ Analogue time switch for installation in switch cabinets ■ Slim format 18 mm ■ Daily program	■ Analogue time switch for installation in switch cabinets ■ Slim format 18 mm ■ Daily program	■ Analogue time switch for installation in switch cabinets ■ Slim format 54 mm ■ Daily program	■ Analogue time switch for installation in switch cabinets ■ Slim format 54 mm ■ Daily program
Voltage	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz	230 V AC 50 / 60 Hz
Power consumption	0.4 W	0.4 W	0.4 W	0.4 W
Power back-up (at 20 °C)	-	≥ 70 h	-	≥ 70 h
Ambient temperature	-5 °C to +50 °C	-5 °C to +50 °C	-5 °C to +50 °C	-5 °C to +50 °C
Housing	self-extinguishing thermoplastic	self-extinguishing thermoplastic	self-extinguishing thermoplastic	self-extinguishing thermoplastic
Connections and wires	pull-up type terminals	pull-up type terminals	Screw terminals	Screw 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	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	contact gap < 3 mm (µ-contact), dry Changeover contact	contact gap < 3 mm (µ-contact), dry Changeover contact
Degree of protection	IP20	IP20	IP20	IP20
Protection class	Class II	Class II	Class II	Class II
Item number	92676	92677	92678	92680
Comprehensive product information				

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

Mechanical time switches

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

ACCESSORIES



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.

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									
93324	RC-plus next N 130, brown	X	X	X	X	X			X								
93331	RC-plus next N 230, white	X	X	X	X	X	X				X	X					
93333	RC-plus next N 230, black	X	X	X	X	X		X									
93334	RC-plus next N 230, brown	X	X	X	X	X			X								
93346	RC-plus next N 230, silver	X	X	X	X	X				X							
93341	RC-plus next N 280, white	X	X	X	X	X	X				X	X					
93343	RC-plus next N 280, black	X	X	X	X	X		X									
93344	RC-plus next N 280, brown	X	X	X	X	X			X								
93527	RC-plus next N 230 KNXs-DX, white		X	X	X	X	X				X	X					
93528	RC-plus next N 230 KNXs-DX, black		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

FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted

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	
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	
92650	Indoor 180-TR with frame																										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
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	
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	
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	
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	
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	
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	
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																			

FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted

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	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	X	X	X	X
92985	PD9-1C-12-48V-FC	X																	X	X	X	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

FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted

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

FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted

	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											

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	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	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	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	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	X	X	X	X	X	X	X														
93477	PD2N-CAS		X	X*	X	X**	X**	X**	X	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	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	X	X	X	X	X	X	X														
93533	PD2N-KNXs-BA-FC		X						X					X	X	X																				
93534	PD2N-KNXs-BA-FM		X	X*	X	X**	X**	X**	X										X	X	X	X	X**	X**	X**											
93510	PD2N-KNXs-ST-FC		X						X					X	X	X																				
93511	PD2N-KNXs-ST-FM		X	X*	X	X**	X**	X**	X										X	X	X	X	X**	X**	X**											
93512	PD2N-KNXs-DX-FC		X						X					X	X	X																				
93513	PD2N-KNXs-DX-FM		X	X*	X	X**	X**	X**	X										X	X	X	X	X**	X**	X**											
93530	PD2N-KNXs-OCCULOG-DX-FC		X						X					X	X	X																				
93531	PD2N-KNXs-OCCULOG-DX-FM		X	X*	X	X**	X**	X**	X										X	X	X	X	X**	X**	X**											
93543	PD2N-BMS-FC DALI-2		X						X					X	X	X																				
93544	PD2N-BMS-FM DALI-2		X	X*	X	X**	X**	X**	X										X	X	X	X	X**	X**	X**											
93369	PD2N-DALI-SYS-FC		X						X					X	X	X																				
93368	PD2N-DALI-SYS-FM		X	X*	X	X**	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**	X**	X	X	X	X	X	X	X	X	X	X
93460	PD4N-M-DACO DALI-2		X	X*	X	X**	X**	X**															X	X**	X**	X**	X	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**	X**	X	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**	X**	X	X	X	X	X	X	X	X	X	X
93474	PD4N-CAS		X	X*	X	X**	X**	X**															X	X**	X**	X**	X	X	X	X	X	X	X	X	X	X
93473	PD4N-CAS DALI-2		X	X*	X	X**	X**	X**															X	X**	X**	X**	X	X	X	X	X	X	X	X	X	X
93535	PD4N-KNXs-BA-FC		X																												X	X	X	X	X	X	X
93536	PD4N-KNXs-BA-FM		X	X*	X	X**	X**	X**															X	X**	X**	X**				X	X	X	X	X	X	X
93514	PD4N-KNXs-ST-FC		X																													X	X	X	X	X	X
93515	PD4N-KNXs-ST-FM		X	X*	X	X**	X**	X**															X	X**	X**	X**				X	X	X	X	X	X	X
93516	PD4N-KNXs-DX-FC		X																													X	X	X	X	X	X
93517	PD4N-KNXs-DX-FM		X	X*	X	X**	X**	X**															X	X**	X**	X**				X	X	X	X	X	X	X
93546	PD4N-BMS DALI-2		X	X*	X	X**	X**	X**															X	X**	X**	X**				X	X	X	X	X	X	X
93340	PD4N-DALI-SYS		X	X*	X	X**	X**	X**															X	X**	X**	X**				X	X	X	X	X	X	X
93377	PD4N DALI LINK		X	X*	X	X**	X**	X**															X	X**	X**	X**				X	X	X	X	X	X	X

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

FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted

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
PD5N																					
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

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-ASTR01-1C-NO			
93142	TS-ASTRO2-NFC-1C/1W			
93143	TS-ASTR03-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

S | DACO® | CASAMBI | KNX RF

| | | |

S | DACO® | CASAMBI

Category 1			Category 3
		PD4N-S/DACO/DACO-1C/DACO-DUO/CAS/CAS DALI-2 Product	93465 SM socle mounting set IP54 PD4N H, white mat
	93241 PD4N-S		93786 SM socle mounting set IP54 PD4N H, anthracite mat
	93460 PD4N-M-DACO DALI-2		93787 SM socle mounting set IP54 PD4N H, traffic white mat
	93463 PD4N-M-DACO-1C DALI-2		93788 SM socle mounting set IP54 PD4N H, black mat
	93461 PD4N-M-DACO-DUO DALI-2		93731 Lens PD4N, cover ring, anthracite mat
	93474 PD4N-CAS		93732 Lens PD4N, cover ring, traffic white mat
	93473 PD4N-CAS DALI-2		93733 Lens PD4N, cover ring, black mat
			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
			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
			93314 SM socle mounting set IP65 PD4N, white
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, black 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	
	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	
	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
	Pendulum SM IP54 Corridor, white mat	X	X

FC = False ceiling | FM = Flush-mounted | SM = Surface-mounted

KNX | BMS | DALI-SYS | DALI-LINK

Category 1					Category 3
		PD4N-KNXs-FC Product	PD4N-KNXs-FM Product	PD4N-BMS DALI-2/DALI-SYS/DALI-LINK Product	93307 SM socle mounting set IP54 PD2N-/PD4N-FM, white mat
	93535 PD4N-KNXs-BA-FC				93751 SM socle mounting set IP54 PD2N-/PD4N-FM, anthracite mat
	93536 PD4N-KNXs-BA-FM				93752 SM socle mounting set IP54 PD2N-/PD4N-FM, traffic white mat
	93514 PD4N-KNXs-ST-FC				93753 SM socle mounting set IP54 PD2N-/PD4N-FM, black mat
	93515 PD4N-KNXs-ST-FM				93731 Lens PD4N, cover ring, anthracite mat
	93516 PD4N-KNXs-DX-FC				93732 Lens PD4N, cover ring, traffic white mat
	93517 PD4N-KNXs-DX-FM				93733 Lens PD4N, cover ring, black mat
	93546 PD4N-BMS DALI-2				93073 Corridor lens PD4N type A, cover ring, white mat
	93340 PD4N-DALI-SYS				93741 Corridor lens PD4N type A, cover ring, anthracite mat
	93377 PD4N-DALI-LINK				93742 Corridor lens PD4N type A, cover ring, traffic white mat
					93743 Corridor lens PD4N type A, cover ring, 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
					93314 SM socle mounting set IP65 PD4N, white
Category 2	FC, white mat	X		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, anthracite 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	
	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	X	
	Wall holder SM IP54, anthracite mat		X	X	
	Wall holder SM IP54, traffic white mat		X	X	
	Wall holder SM IP54, black mat		X	X	
	Wall holder SM IP54 Corridor, white mat		X	X	
	Wall holder SM IP54 Corridor, anthracite mat		X	X	
	Wall holder SM IP54 Corridor, traffic white mat		X	X	
	Wall holder SM IP54 Corridor, black mat		X	X	
	Pendulum SM IP54, white mat		X	X	
	Pendulum SM IP54 Corridor, white mat		X	X	

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PD4N housing

1C

					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	93738 Lens PD4N-1C, cover ring, black mat	93179 Pendulum mounting set PD2/3/4 AP, white mat
Category 1		92149 PD4N-1C-FC 92151 PD4N-1C-FM 92144 PD4N-1C-SM 92274 PD4N-1C-C-FC 92270 PD4N-1C-C-SM						
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				
		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

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50 YEARS est. 1975 B.E.G. Feel comfortable in your building

THE HOUSING CONCEPT OF THE FUTURE

The PD2N and PD4N housings for DALI, KNX and Casambi



- 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

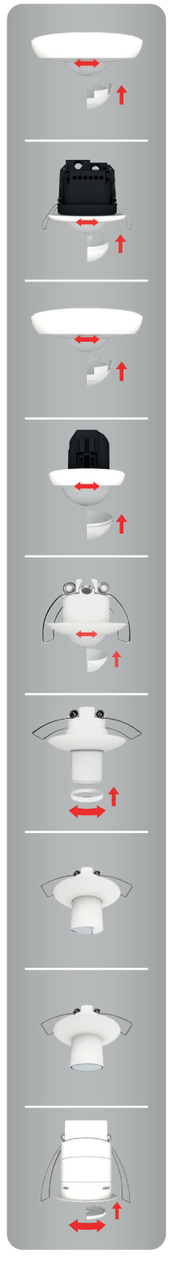
KNX DALI Alliance CASAMBI

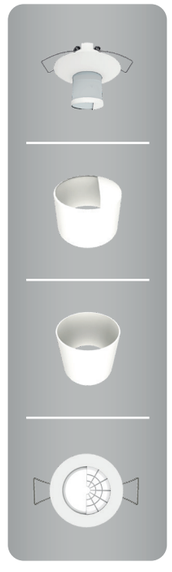
Blinds presence & motion detectors

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

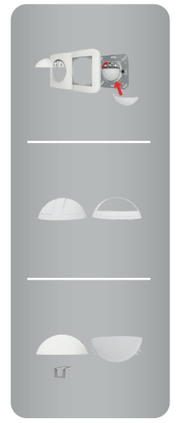






Indoor

- 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-1C-E	92115 IR-PD3N-2C	92159 IR-PD-Mini	92077 IR-PD-1C-E	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-DALI-E	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																						
RC-plus next N 230 KNXs-DX	X	X																						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-OCCULOG-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	
CdS	X	X																									X

50 YEARS est. 1975 B.E.G. Feel comfortable in your building



B.E.G. One – for all!

B.E.G.

YOUR SPECIALIST FOR BUILDING AUTOMATION

BLE-IR adapter
Part no. 93067

ENVIRONMENT

beg-luxomat.com

PLANNING EXAMPLES



Plan comfortably and securely with B.E.G.

With such a wide variety of detectors and special functions available, choosing the right motion or presence detector for a particular project is not always easy. As a specialist, B.E.G. offers detectors for almost every requirement. We would be happy to assist you with your selection and planning.

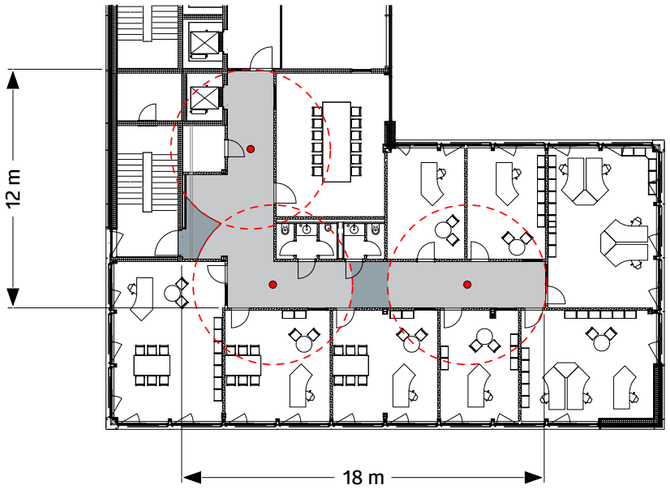
On the following pages, we have compiled tips for the optimal installation location, the correct wiring and settings for our detectors, as well as planning examples for various projects. This will help you quickly identify which detectors are best suited for which situations.

Take advantage of B.E.G.'s experience for successful planning and smooth implementation of LUXOMAT® detectors. Our field staff will advise you directly on site.

On request, our specialists will plan the optimal distribution of our motion and presence detectors based on your CAD plans. Simply send us your plans by email. We will take care of the rest – free of charge, of course.

You can count on us: even after your purchase, we will continue to provide you with advice and support until your project is complete.

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:**

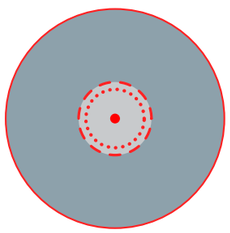
Follow-up time R1: > 5 min
Switch-on threshold R1: 50 - 150 Lux
Follow-up time R2: optional
If required: Orientation light

- **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.

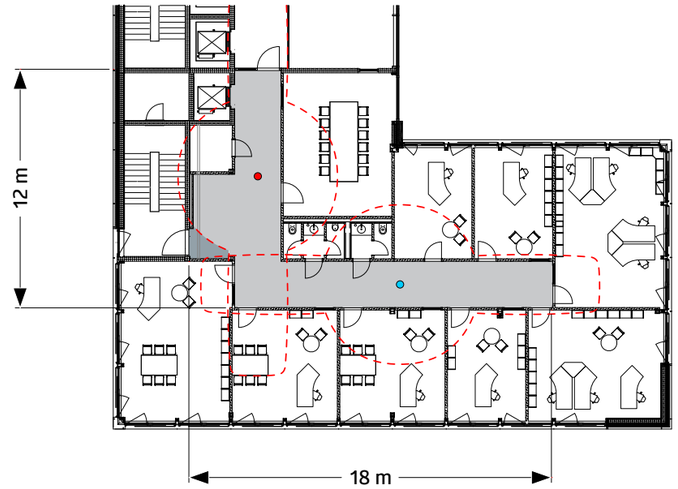
- **Detection range Type “PD4“**



———	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

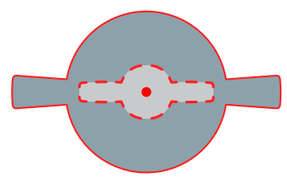
- **Master device setting:**

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)

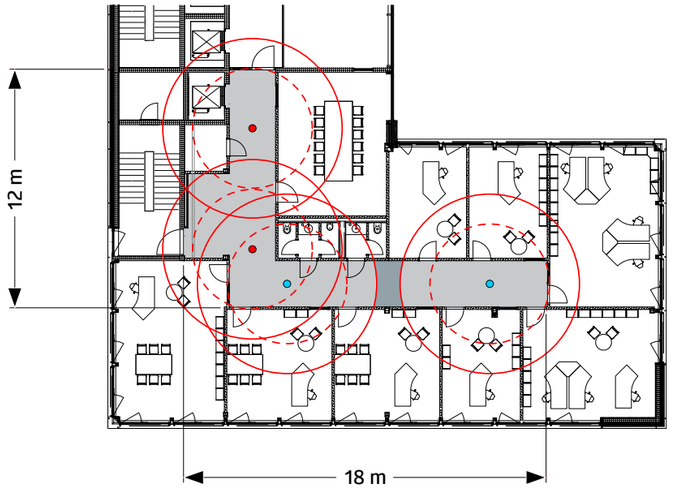
- **Detection range Type “PD4-C”**



———	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 0.85 mm 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:**

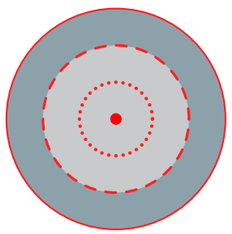
Follow-up time R1: > 5 min
Switch-on threshold R1: 300 Lux or individually with remote control

- **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.

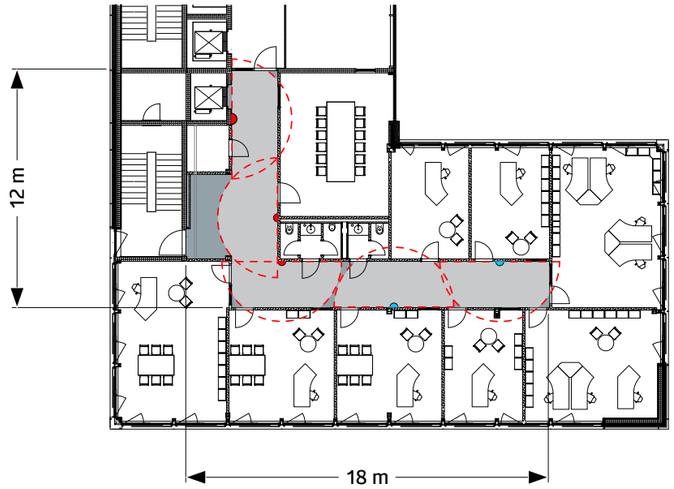
- **Detection range Type "PD11"**



———	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:**

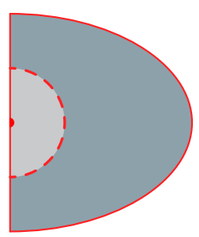
Follow-up time R1: > 5 min
Switch-on threshold R1: 300 Lux or individually with remote control
Follow-up time R2: optional

- **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.

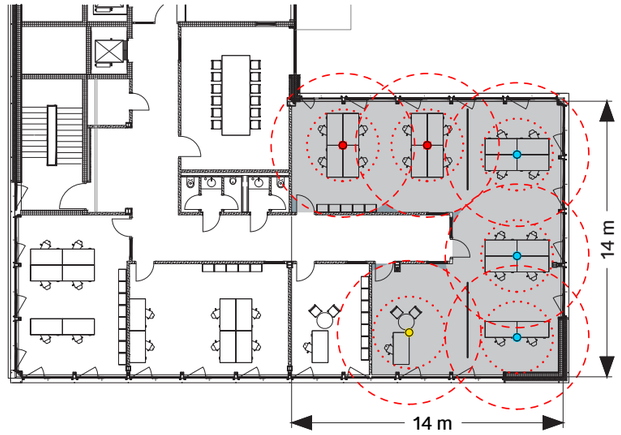
- **Detection range Type "Indoor 180"**



———	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 0.85 mm 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:**

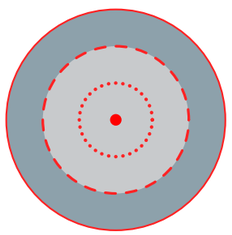
Follow-up time R1: > 5 min
Switch-on threshold R1: 500 Lux or individually with remote control

- **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.

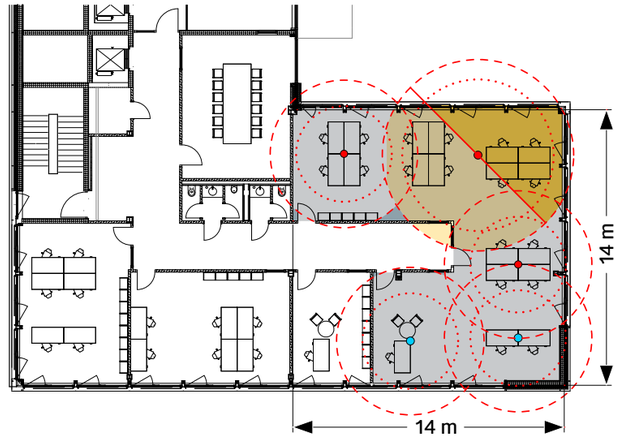
- **Detection range Type "PD11"**



———	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:**

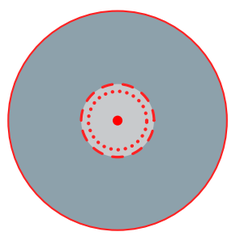
Follow-up time R1: > 5 min
Switch-on threshold R1: 500 Lux or individually with remote control
Follow-up time R2: optional

- **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.

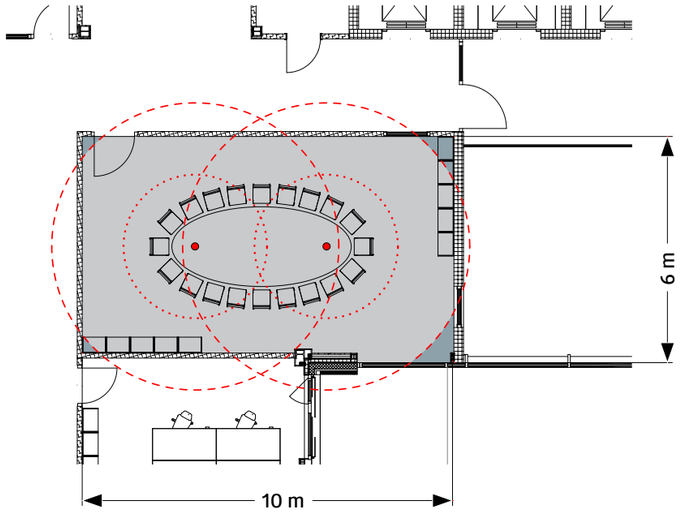
- **Detection range Type "PD4"**



———	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 0.85 mm 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:**

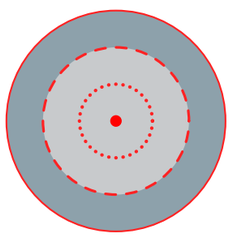
Follow-up time R1: mind. 5 min
Switch-on threshold R1: 500 Lux

- **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.

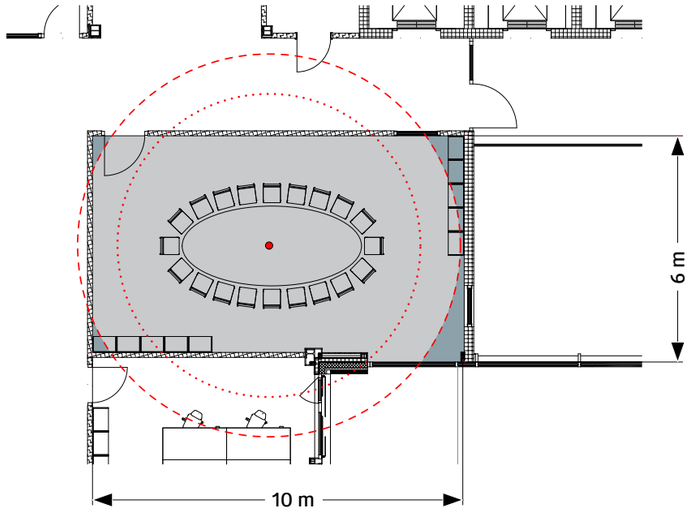
- **Detection range Type “PD11”**



———	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

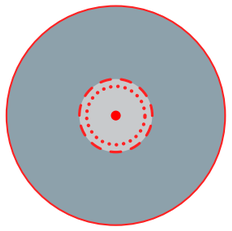
- **Master device setting:**

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)

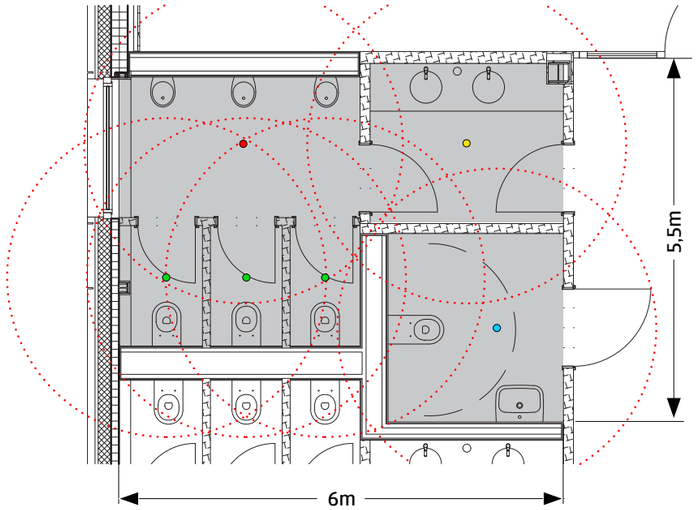
- **Detection range Type “PD4“**



———	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

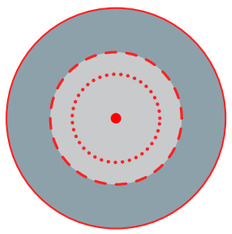
- **Device setting:**

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

- **Operation mode:**

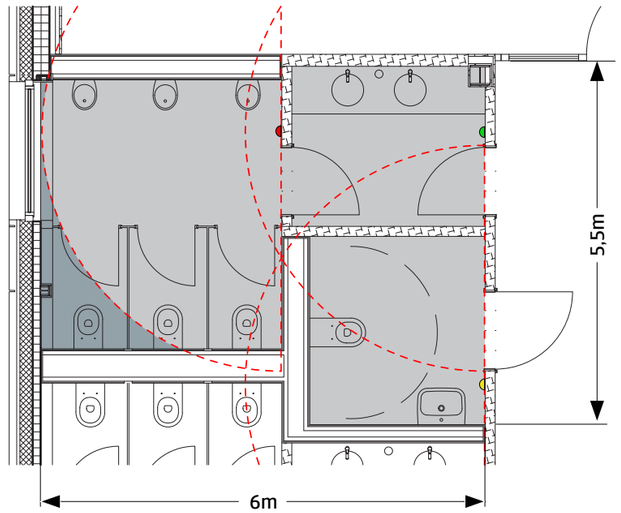
Standard operation (see wiring diagrams PD3N-1C and PD9-1C)

- **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”)

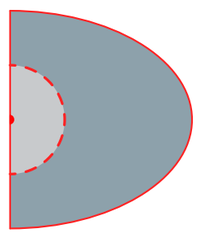
- **Noise sensitivity:**

The optimum sensitivity must be determined in a test.

- **Operation mode:**

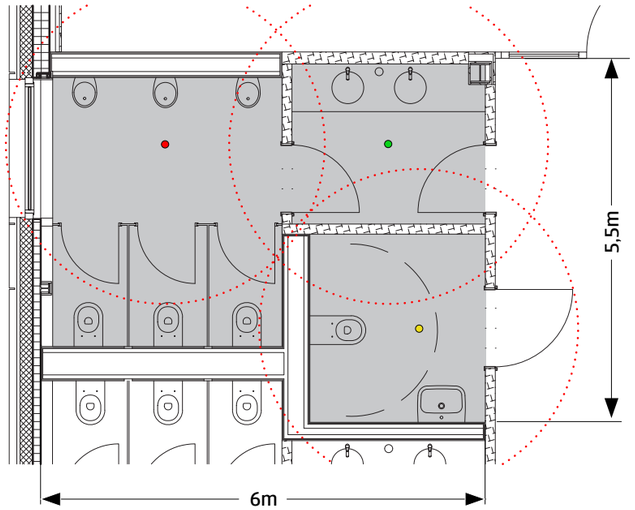
Standard operation (with noise sensitivity); (see wiring diagram Indoor 180-R)

- **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

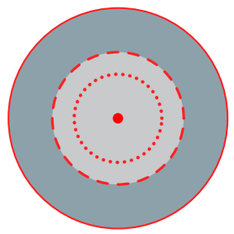
- **Noise sensitivity:**

The optimum sensitivity must be determined in a test.

- **Operation mode:**

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

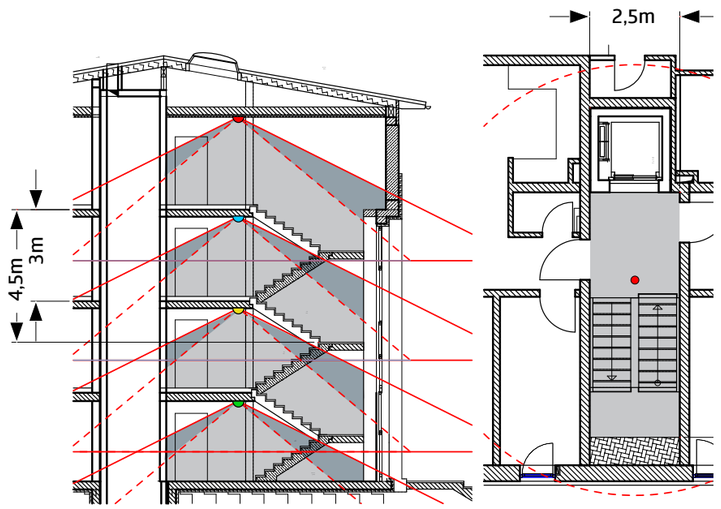
- **Detection range Type „PD3N“**



———	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



cross section

view from above

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

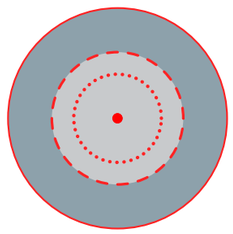
- **Master device setting:**

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)

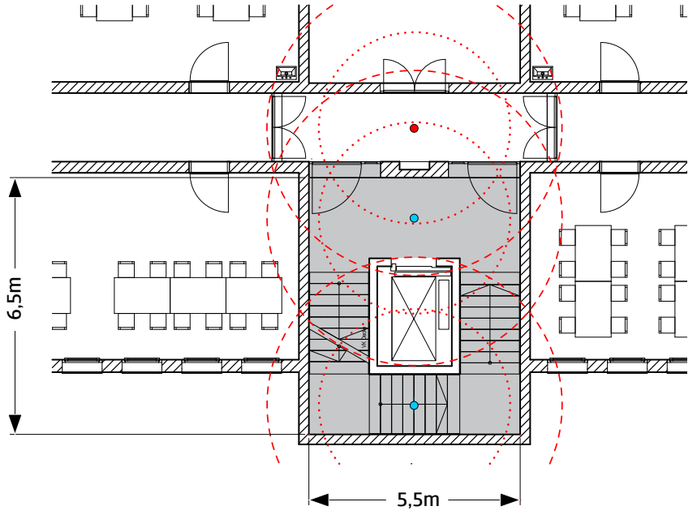
- **Detection range Type „PD2“**



———	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

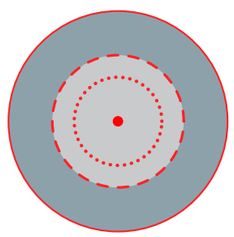
- **Device setting:**

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)

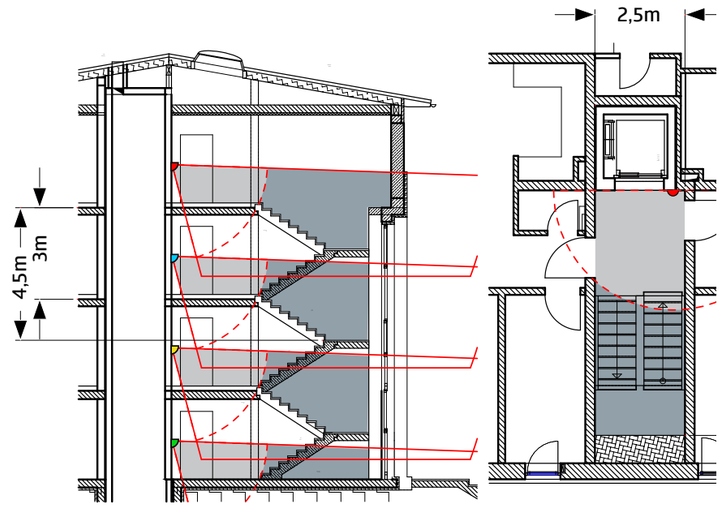
- **Detection range Type „PD3N“**



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



cross section

view from above

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

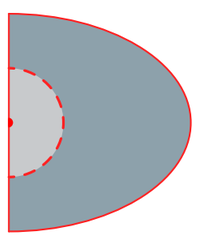
- **Device setting:**

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)

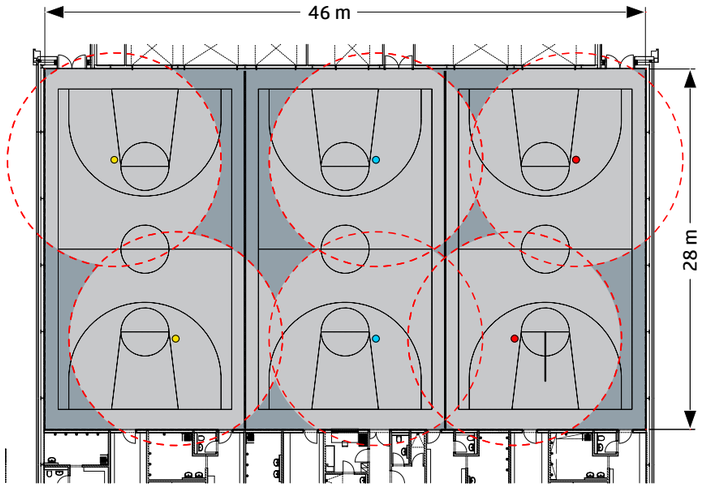
- **Detection range Type "Indoor 180"**



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

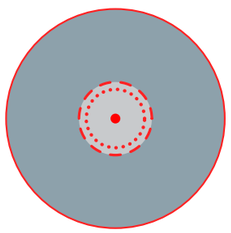
- **Operation mode:**

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.

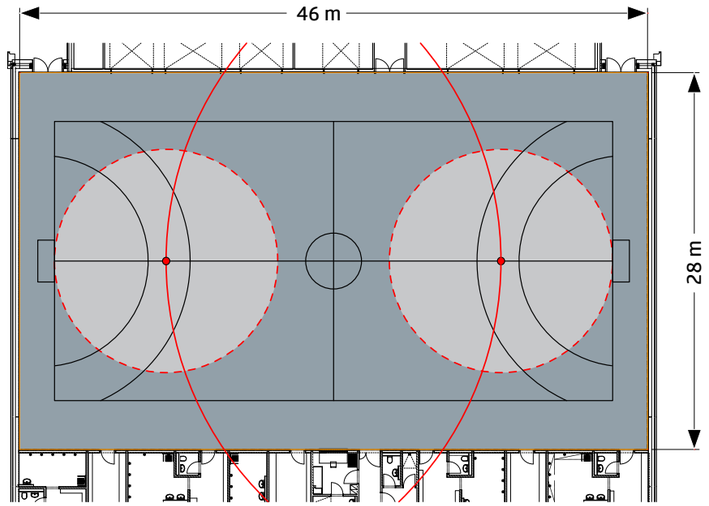
- **Detection range Type “PD4“**



———	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

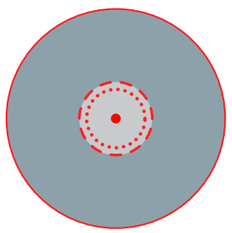
- **Operation mode:**

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.

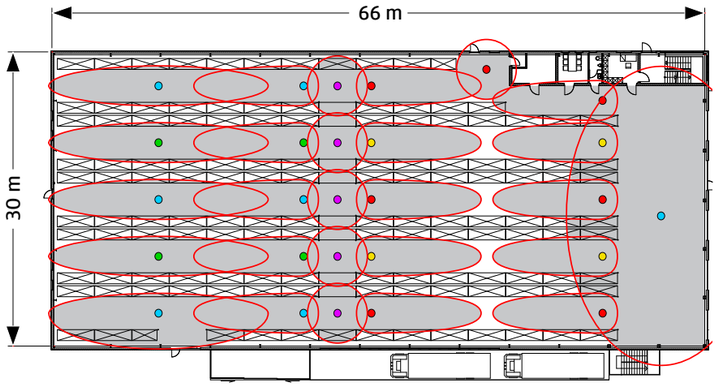
- **Detection range Type “PD4“**



———	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:**

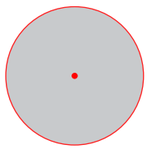
Follow-up time R1: > 5 min
Switch-on threshold R1: 500 Lux or individually with remote control

■ **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)

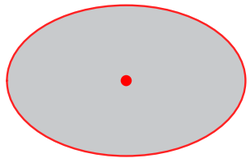
The master device must always be mounted at the darkest spot of the area of its luminaire group.

■ **Detection range Type „PD9-GH“**

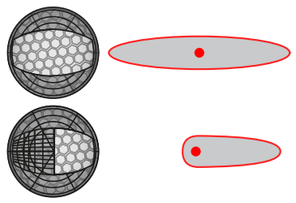


across Ø 3,5 m
for a mounting height of 6.00 m

■ **Detection range Type „PD4-GH“**

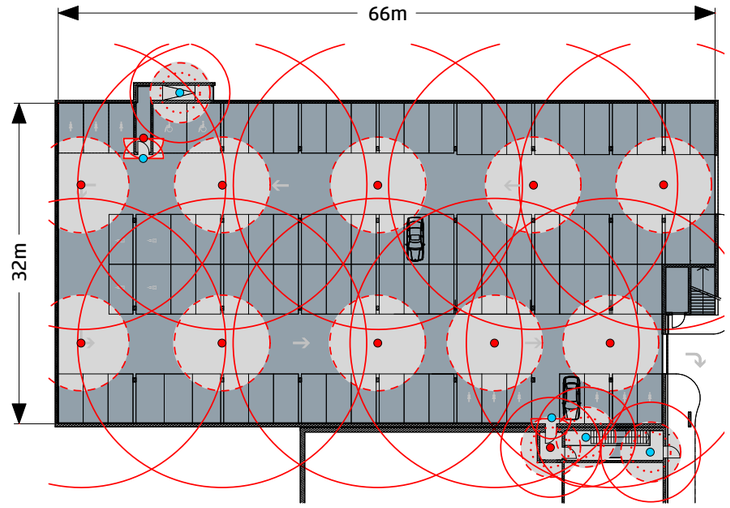


across / frontally Ø 30 m
for a mounting height of 14.00 m - 16.00 m



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

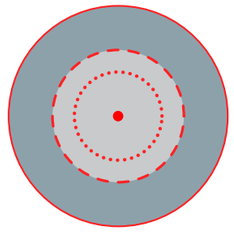
■ **Master device setting:**

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

■ **Operation mode:**

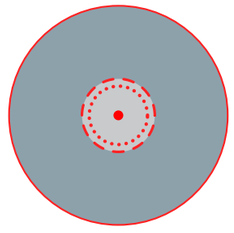
Parallel connection pro Lighting group (see wiring diagrams PD2-M-2C and PD4-M-2C)

■ **Detection range Type „PD2“**



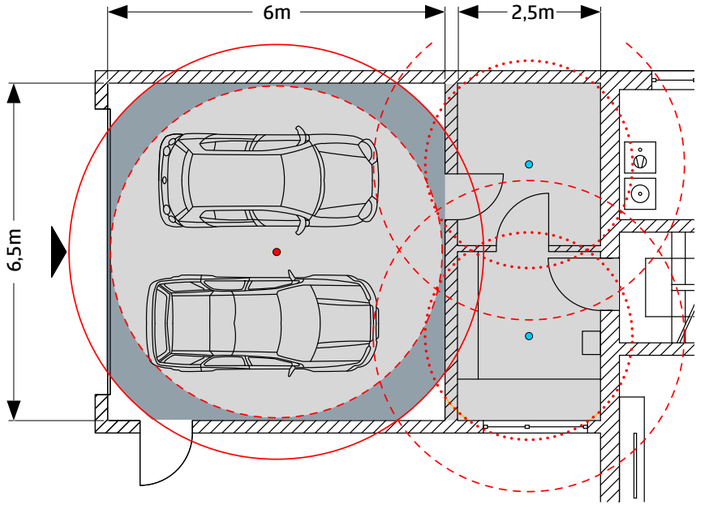
across Ø 10 m
frontally Ø 6 m
seated activity Ø 4 m
for a mounting height of 2.50 m

■ **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 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

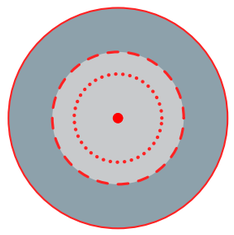
- **Master device setting:**

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

- **Operation mode:**

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

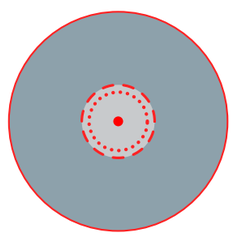
- **Detection range Type „PD3N"**



across	Ø 10 m
frontally	Ø 6 m
seated activity	Ø 4 m

for a mounting height of 2.50 m

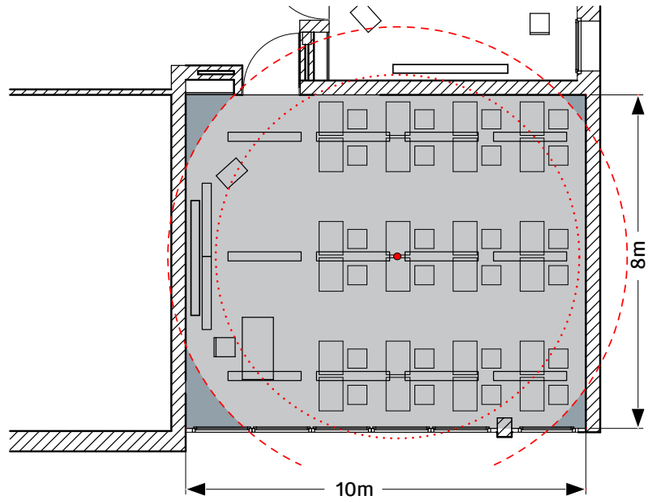
- **Detection range Type „PD4N"**



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

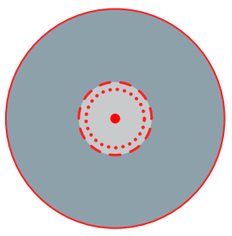
- **Master device setting:**

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)

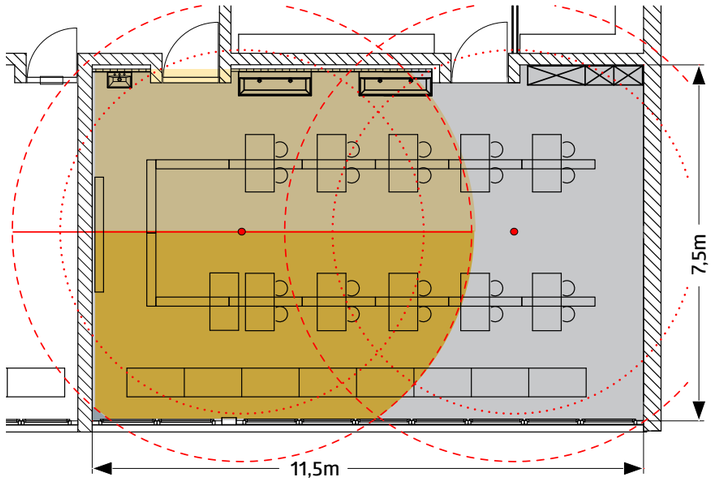
- **Detection range Type "PD4"**



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

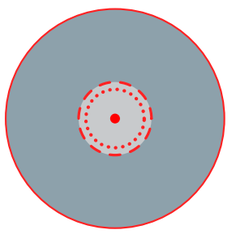
- **Master device setting:**

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)

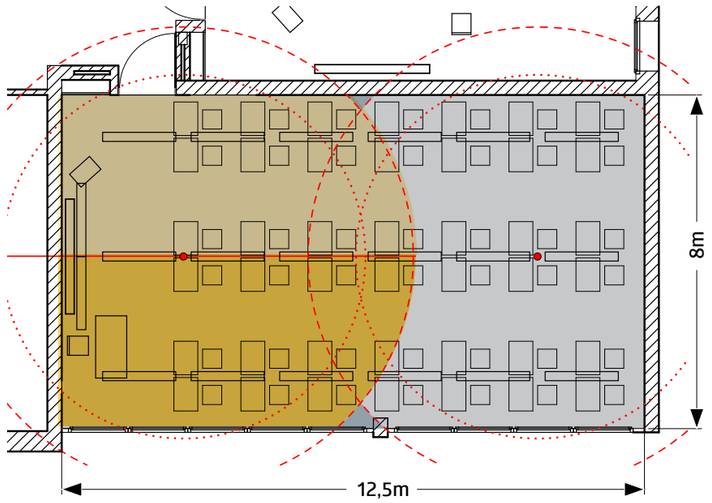
- **Detection range Type „PD4-DUO“**



———	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

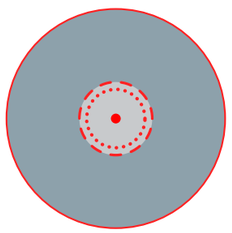
- **Master device setting:**

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)

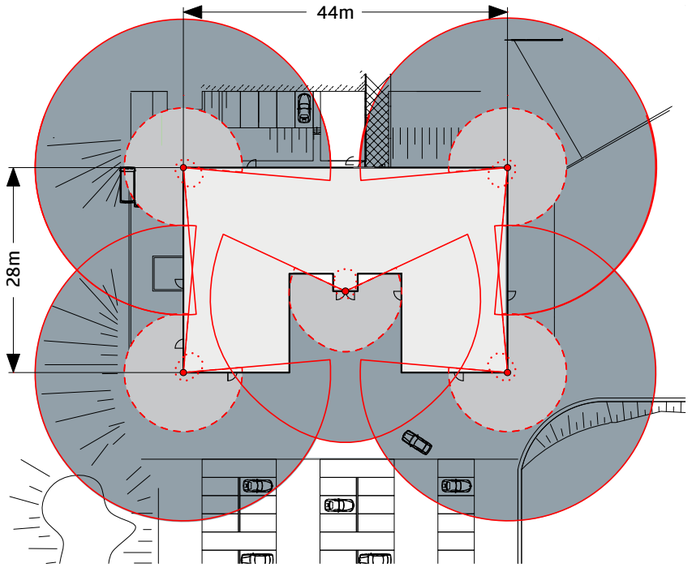
- **Detection range Type „PD4-DAA4G“**



———	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:**

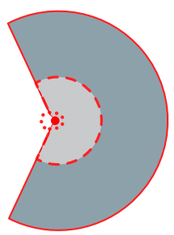
Follow-up time: 4 min

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

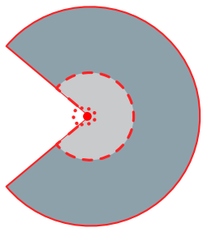
- **Detection range Type “RC-plus next N 230”**



across	max.	20 m
frontally	max.	6 m
Anti-creep zone	max.	4 m

for a mounting height of 2.50 m

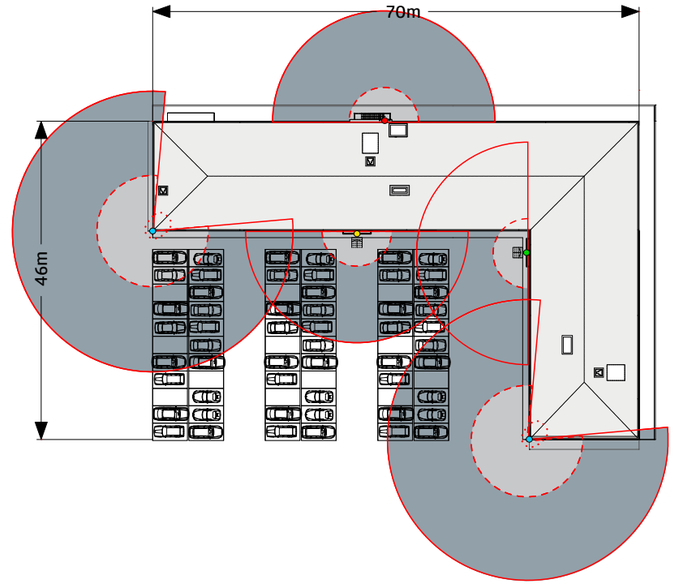
- **Detection range Type “RC-plus next N 280”**



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:**

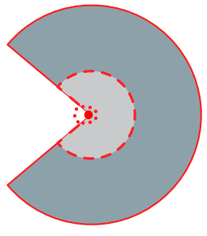
Follow-up time: 4 min

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

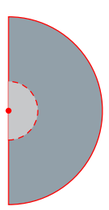
- **Detection range Type “RC-plus next N 280”**



across	max.	20 m
frontally	max.	6 m
Anti-creep zone	max.	4 m

for a mounting height of 2.50 m

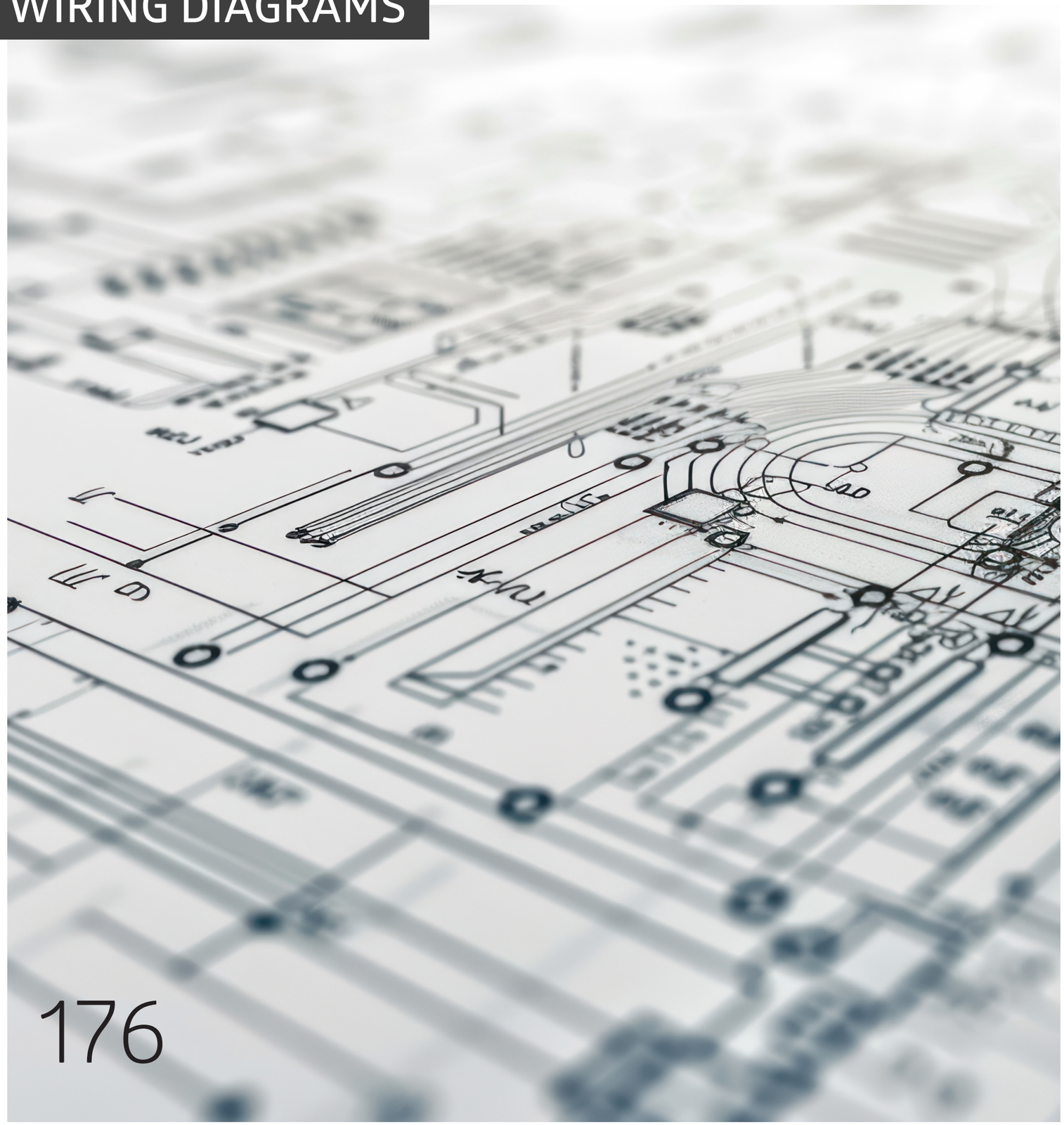
- **Detection range Type „Aleum Glow“**



across	max.	16 m
frontally	max.	5 m

for a mounting height of 2.50 m

WIRING DIAGRAMS



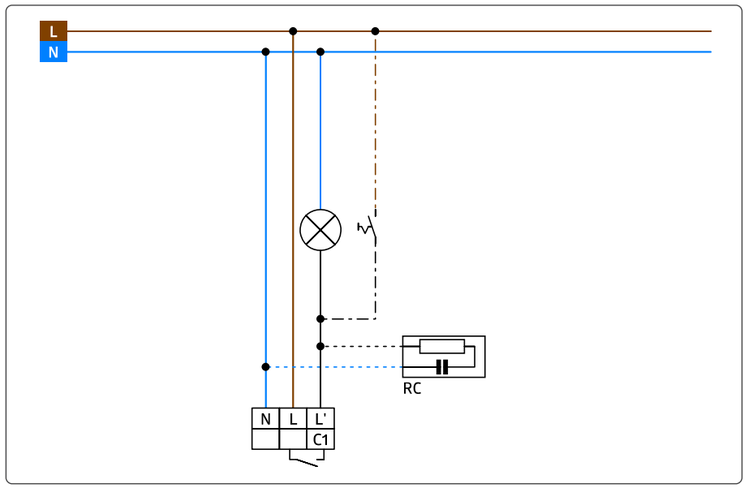
Top-quality products from B.E.G. – quick and easy to install

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.

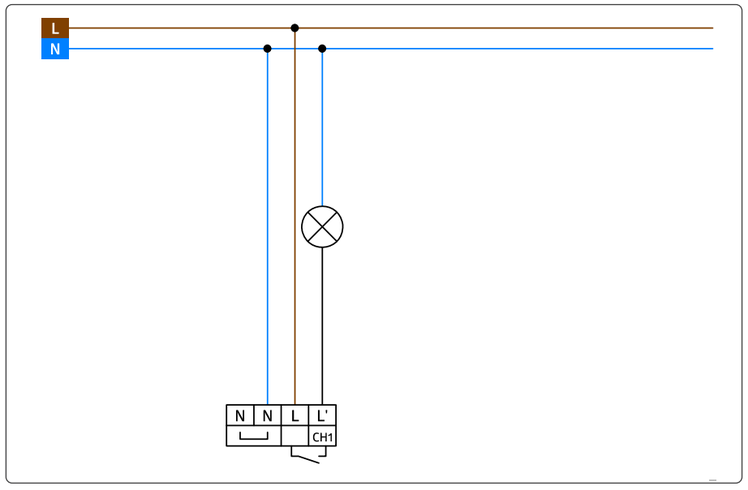
No compromises are made here: B.E.G. developers place great importance on high material quality and innovative technology. They are constantly searching for optimal solutions and new, user-friendly functions.

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.

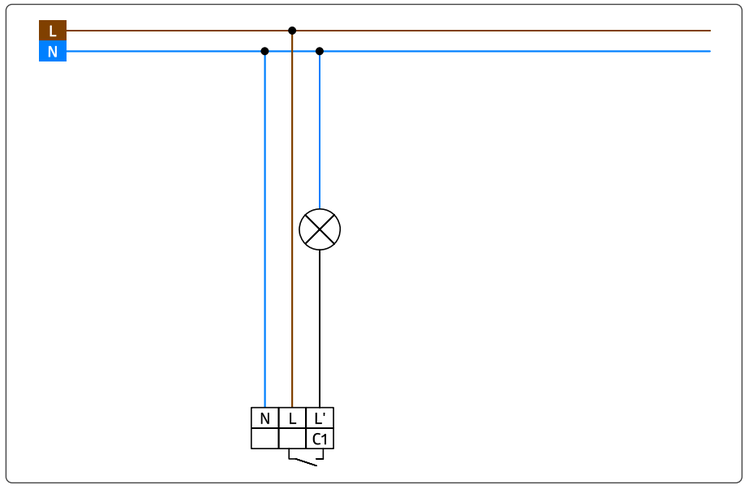
If you would like advice, please contact us. Our field and office staff will be happy to help you select the right products and plan your project.



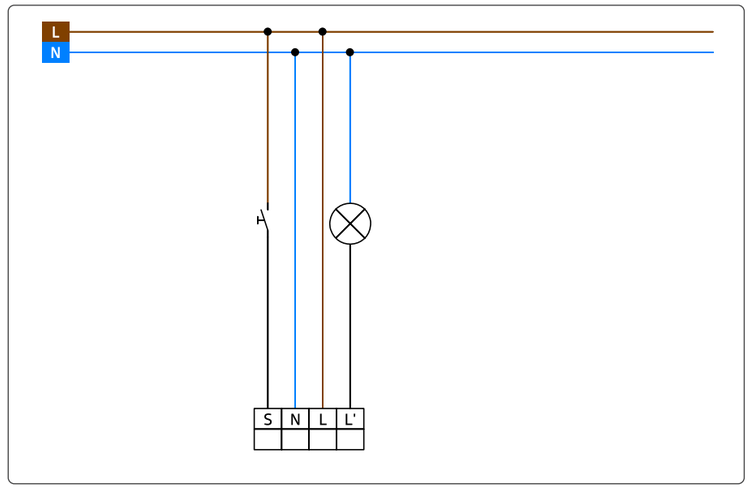
- RC-plus next N 130
- RC-plus next N 230
- RC-plus next N 280
- LC-plus 280
- LC-Click-N 140
- LC-Click-N 200
- HF-MD1
- HF-MD2
- PD3N-1C
- PD4N-1C-K
- PD9-1C
- PD9-1C-GH
- PD3N-1C Micro
- PD4N-1C



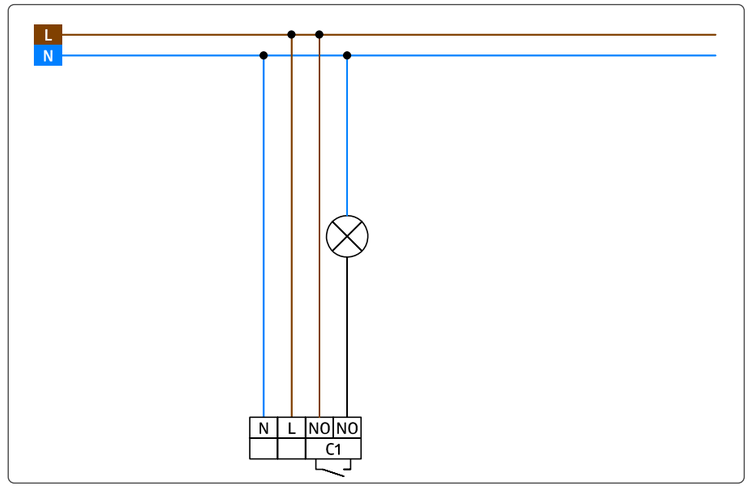
- Aleum Glow



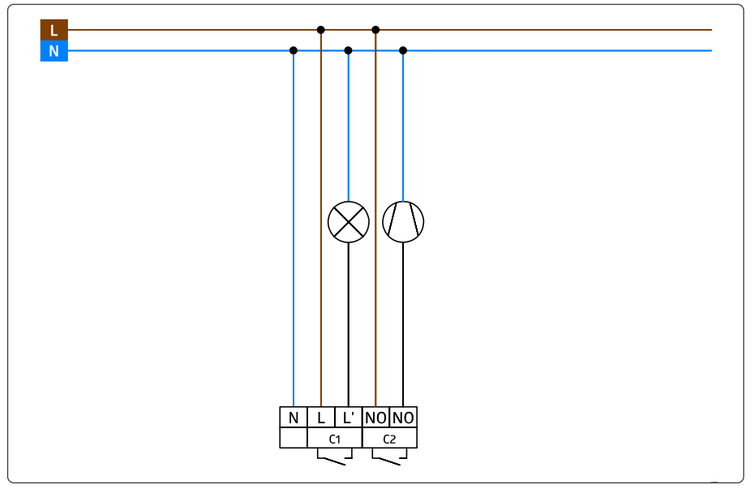
- BL2



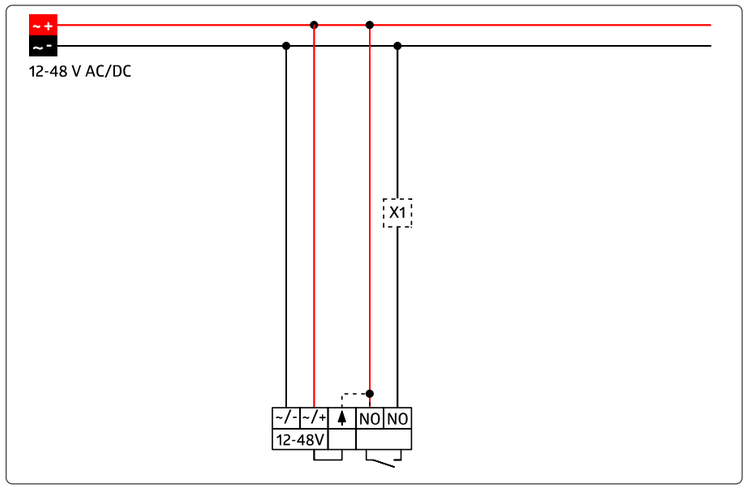
- BL4-C
- BL4
- BL4-PLUS



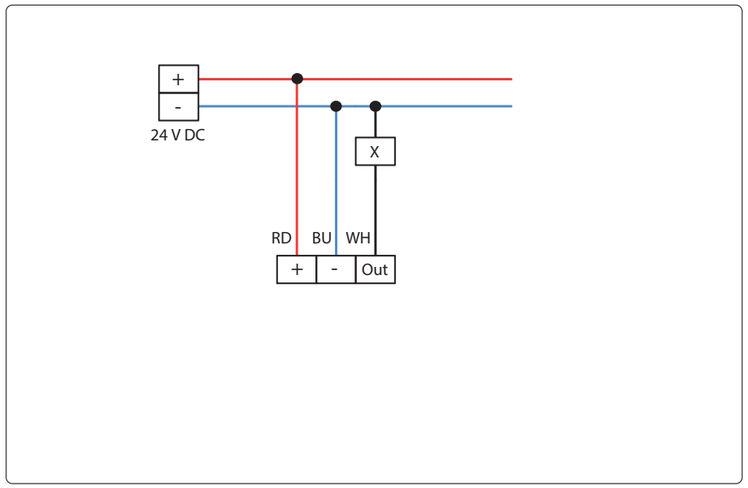
- PD3N-1C-NO-PF
- OCCULOG-1C
- PD9-M-1C-SDB-IP65
- PD9-M-1C-SDB-IP65-GH



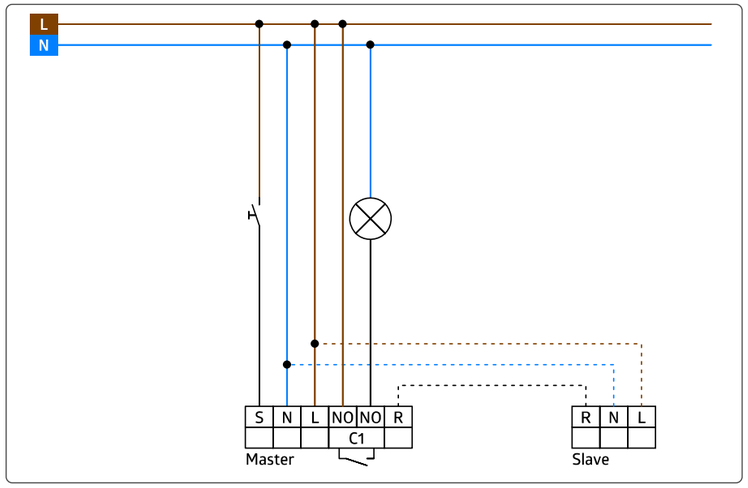
- PD3N-2C



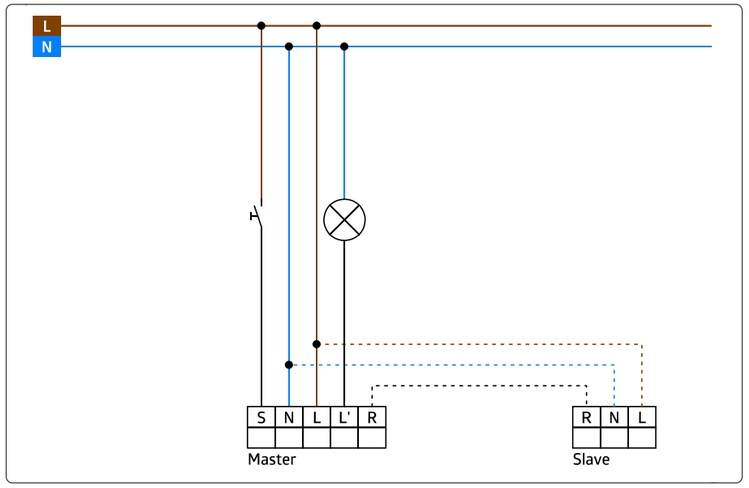
- PD9-1C-12-48V



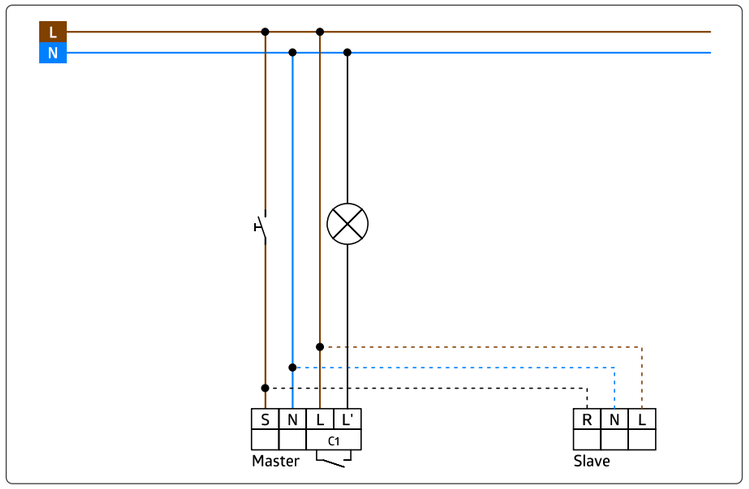
- PD9-SH-24V



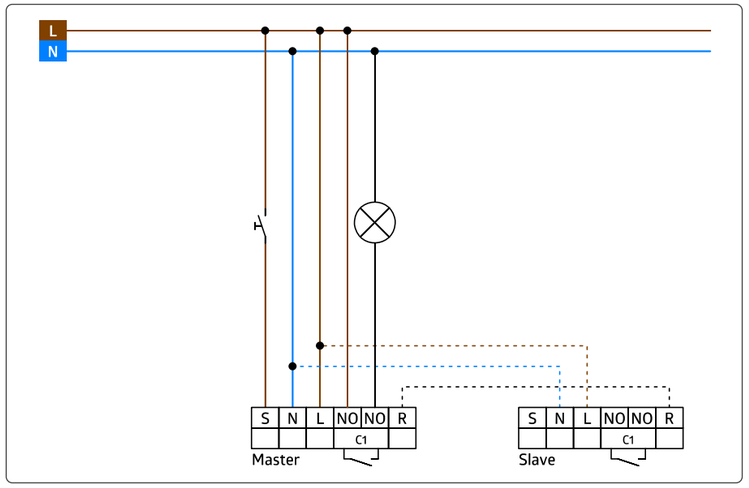
- PD2-M-1C
- PD4-M-1C
- PD4-M-1C-C
- PD4-M-1C-GH
- PD9-M-1C
- PD9-M-1C-GH
- PD2-S
- PD11-S-FLAT
- PD4-S
- PD4-S-C
- PD4-S-GH
- PD9-S
- PD9-S-GH



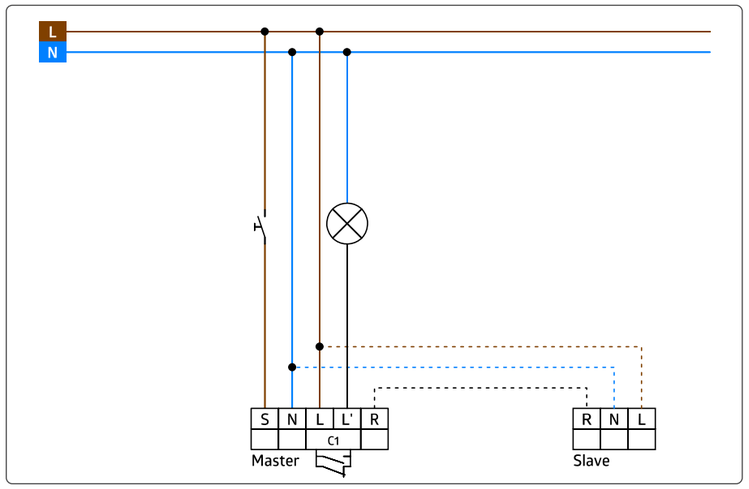
- PD11-M-1C-FLAT



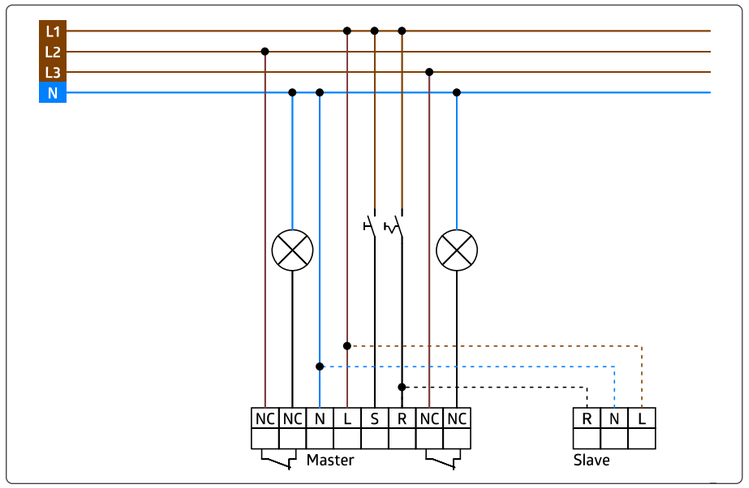
- PICO-N-M-1C
- PICO-S



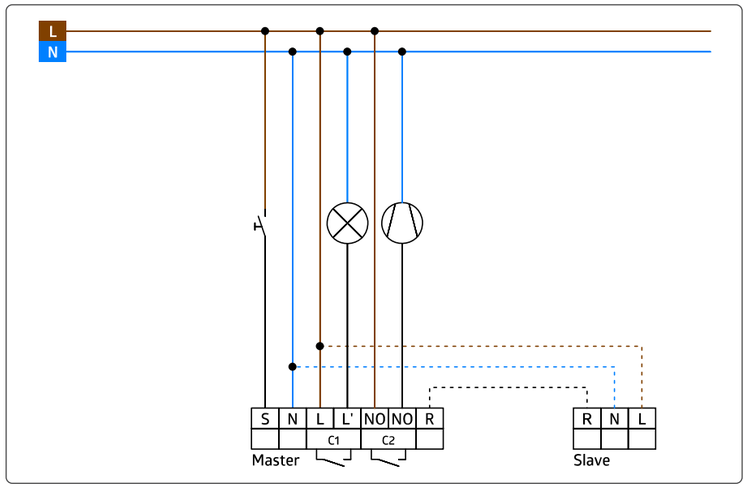
- PD2N-M-1C-LED



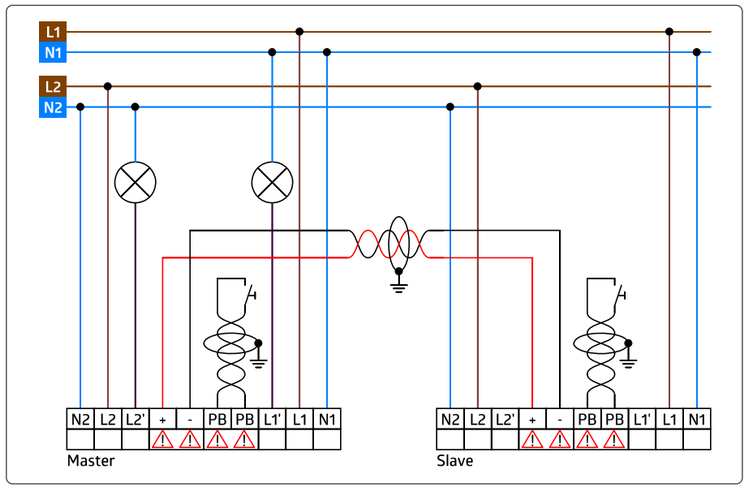
- PD4-M-1C-C-PS



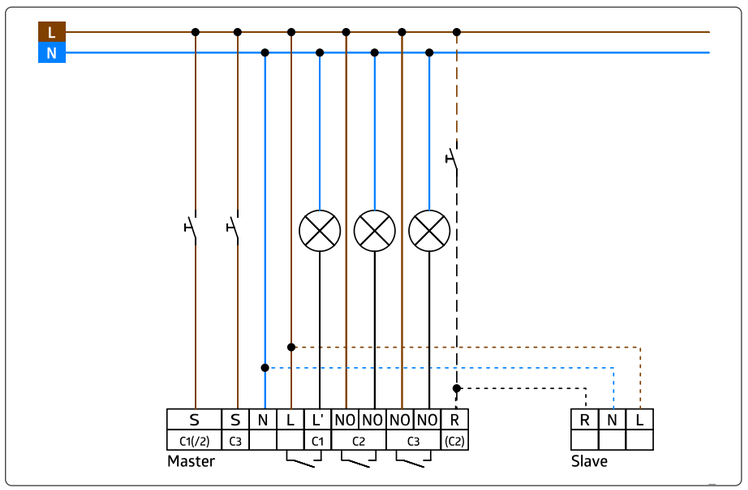
- PD4-M-TRIO-C-3P



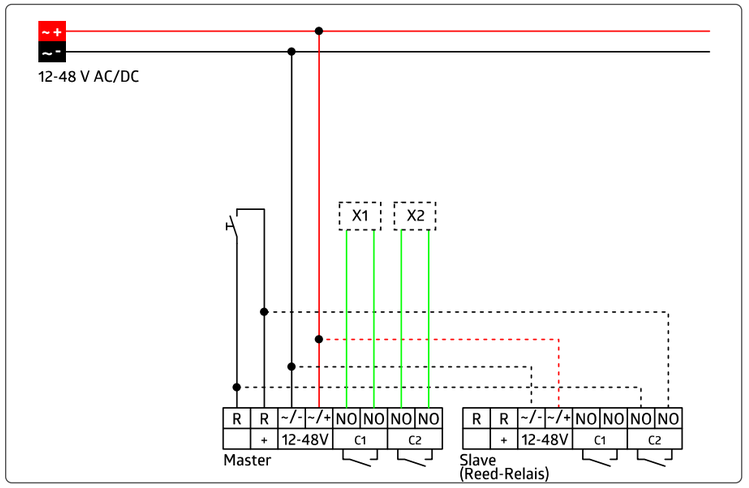
- PD2-M-2C
- PD4-M-2C
- PD4-M-2C-C
- PD9-M-2C
- Indoor 180-M-2C
- Indoor 180-S



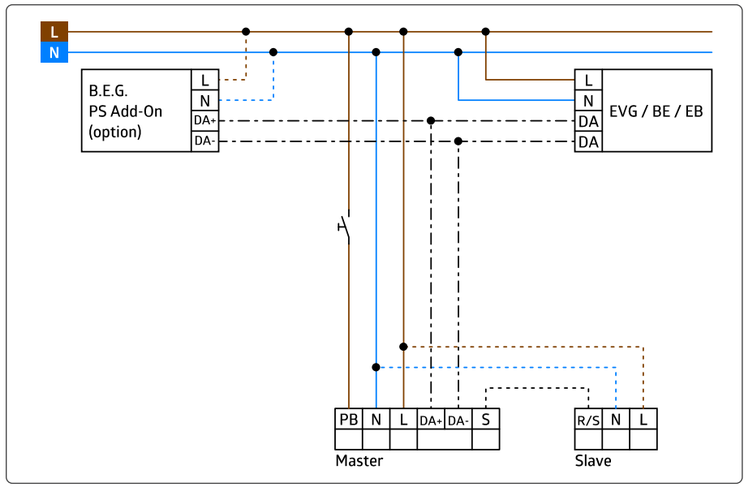
- PD4-M-2C-DS



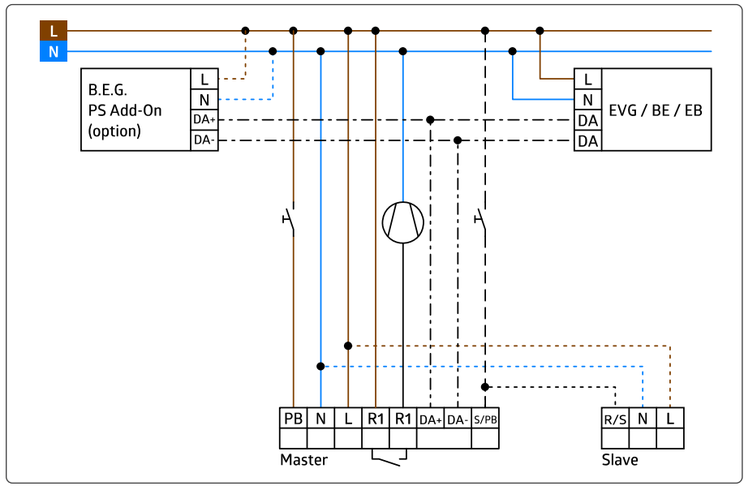
- PD4-M-3C-TRIO



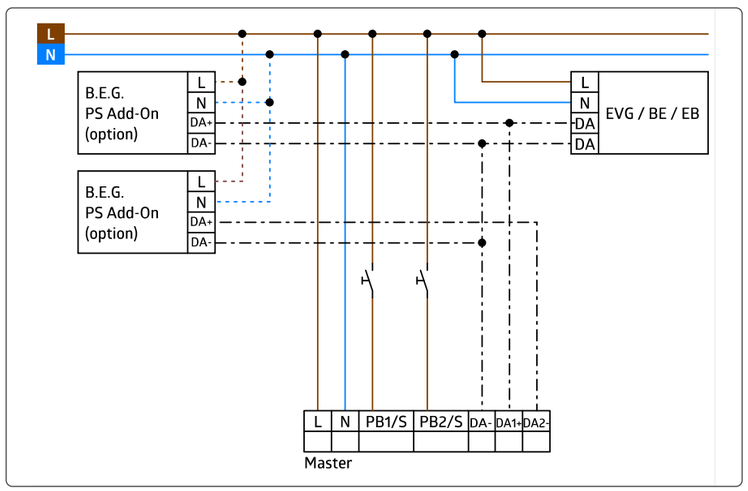
- PD2-M-2C-12-48V-3A
- PD2-M-2C-12-48V-RR



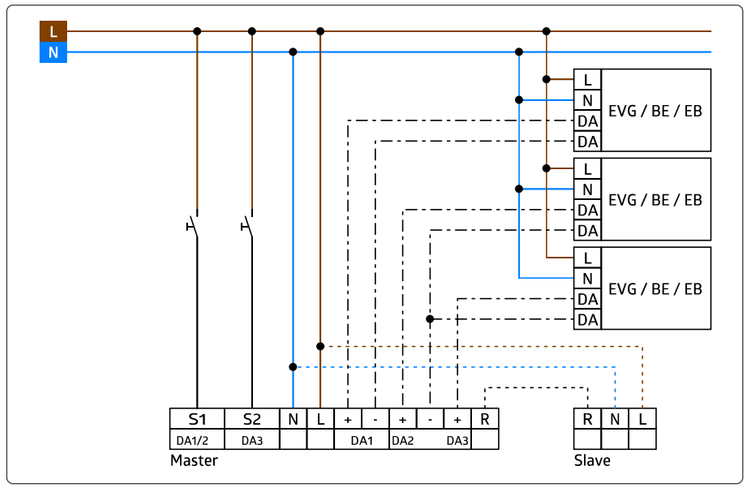
- PD2N-M-DACO DALI-2
- PD4N-M-DACO DALI-2
- PD4-M-DACO-GH DALI-2
- PD9-M-DACO DALI-2
- PD11-M-DACO-FLAT DALI-2



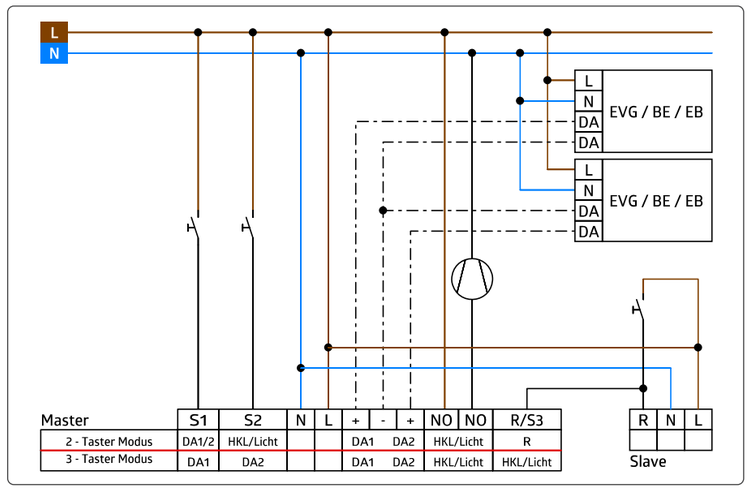
- PD2N-M-DACO-1C DALI-2
- PD4N-M-DACO-1C DALI-2



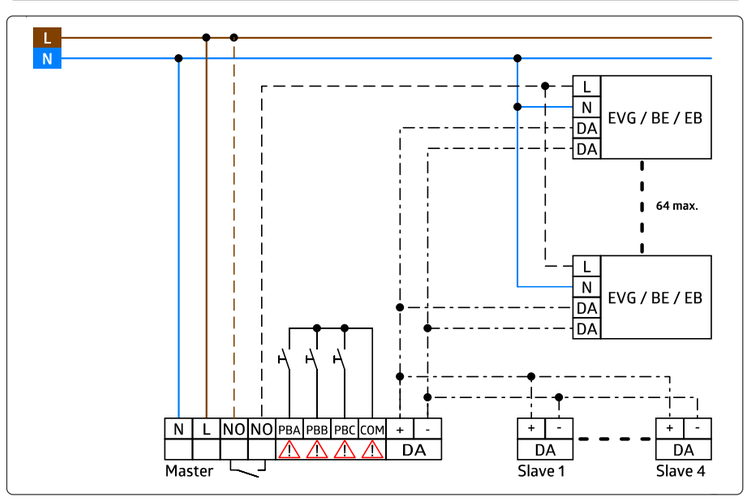
- PD2N-M-DACO-DUO DALI-2
- PD4N-M-DACO-DUO DALI-2



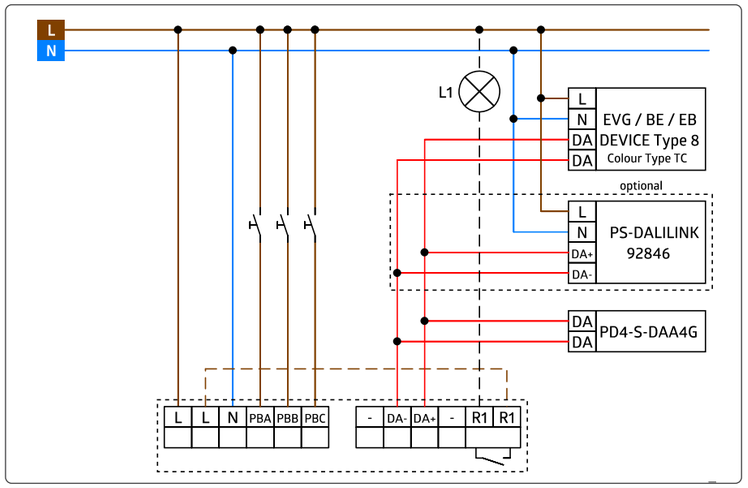
- PD4-M-TRIO-DALI/DSI



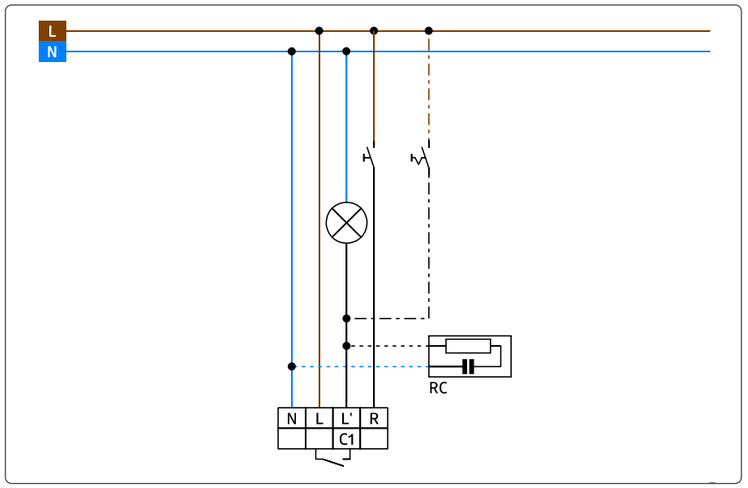
- PD4-M-TRIO-2DALI/DSI-1C



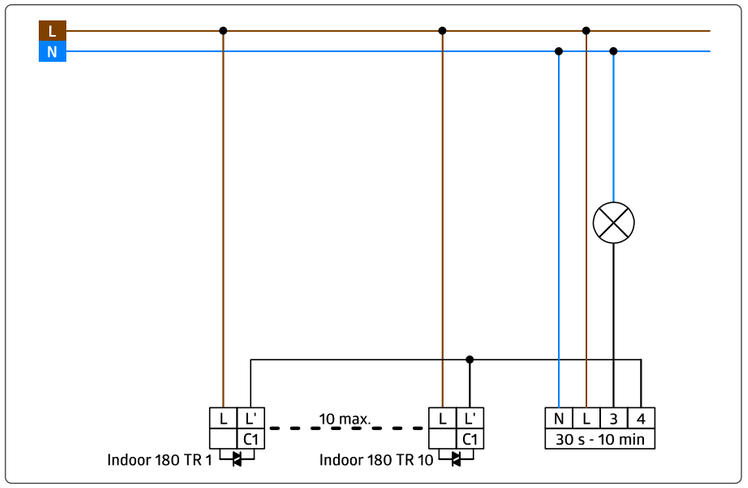
- PD4-M-DAA4G
- PD4-S-DAA4G



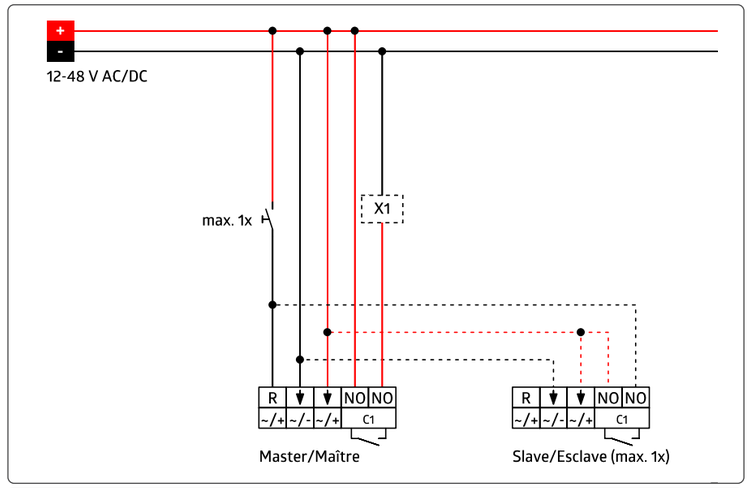
- PD4-M-HCL2



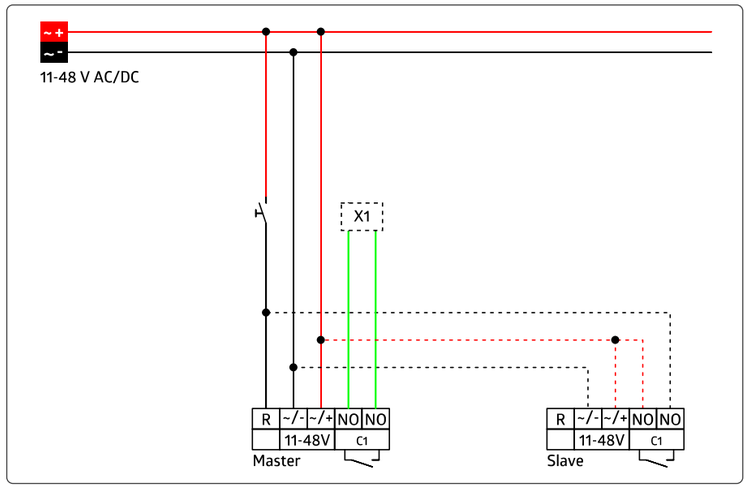
- Indoor 180-R
- Indoor180N-M-1C
- IndoorHF-M-1C



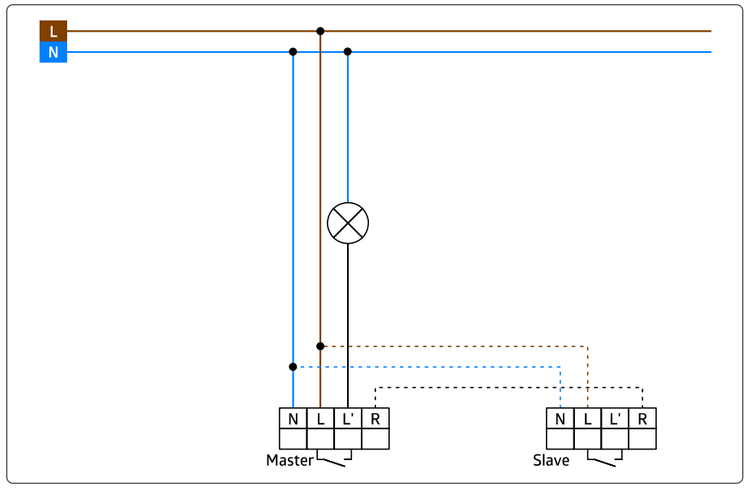
- Indoor 180-TR



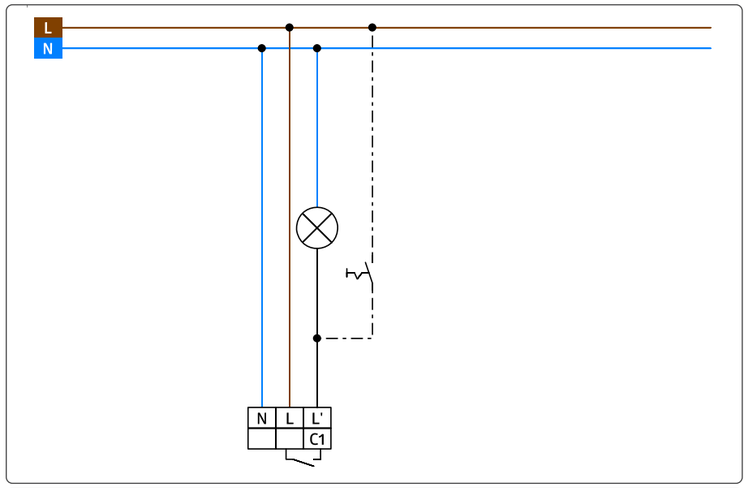
- Indoor 180-R-11-48V-3A



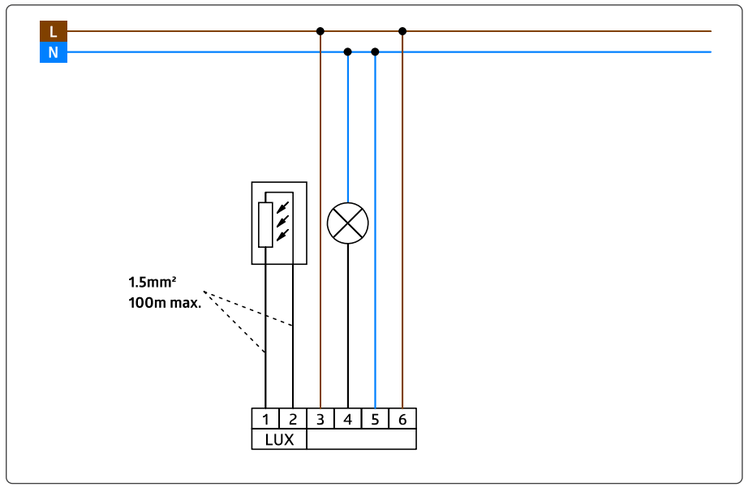
- Indoor 180-R-11-48V-RR



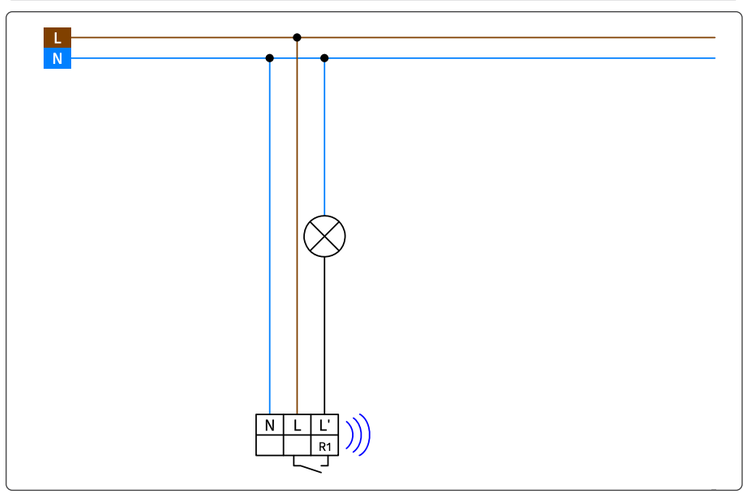
- Indoor 140-L



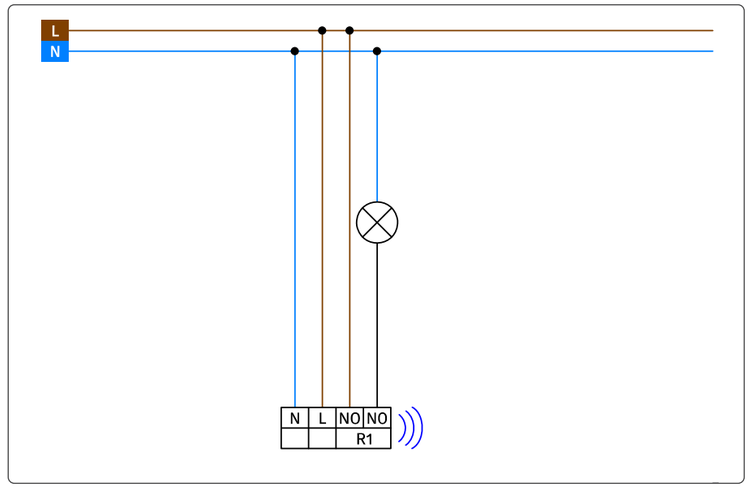
- CdS-T-SM
- CdS-SM
- CdS-FC
- CdS-R



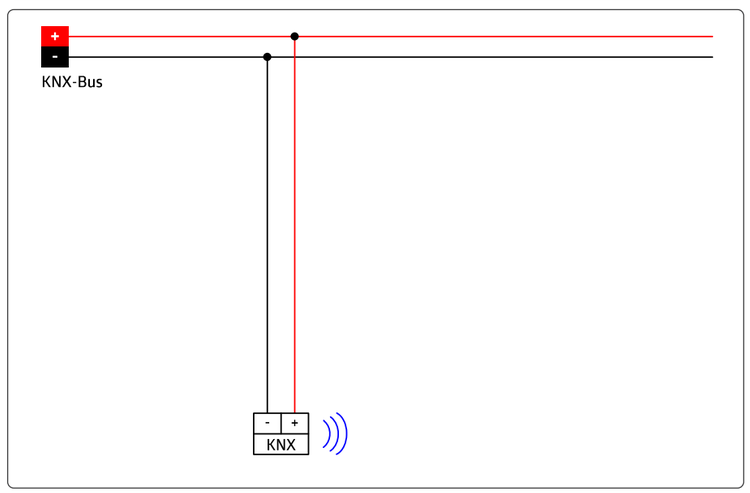
- TS-DD



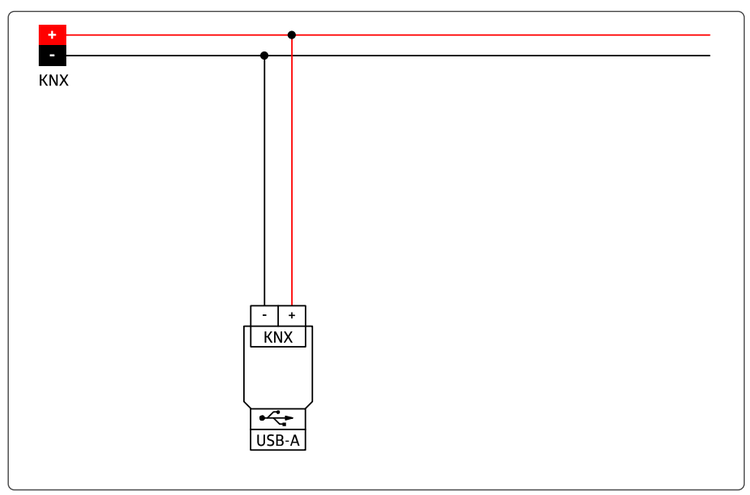
- SA1-230 / 16 / H / RF-KNXs



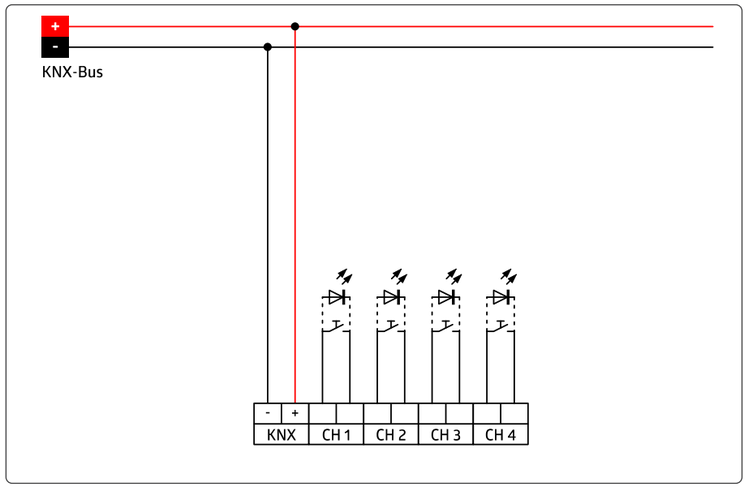
- PD2N-RF-KNXs-DX



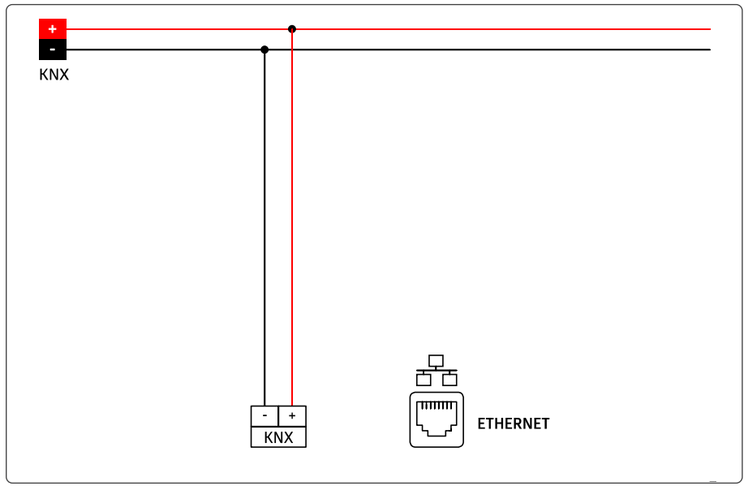
- LK-RF/KNXs



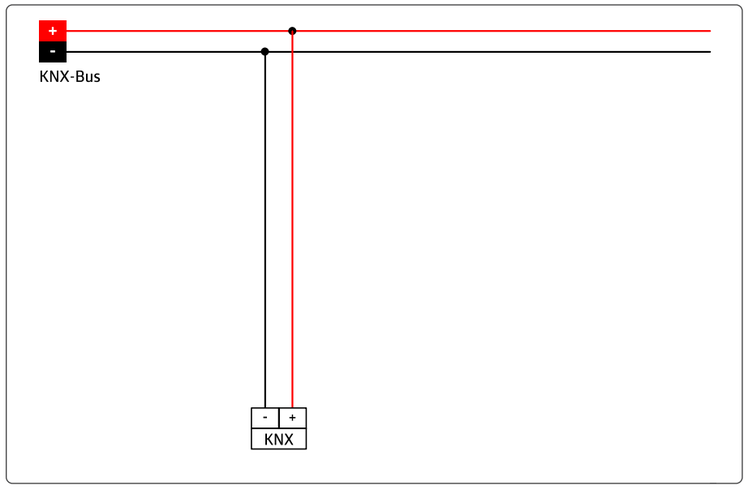
- USB-Stick-IF/KNX



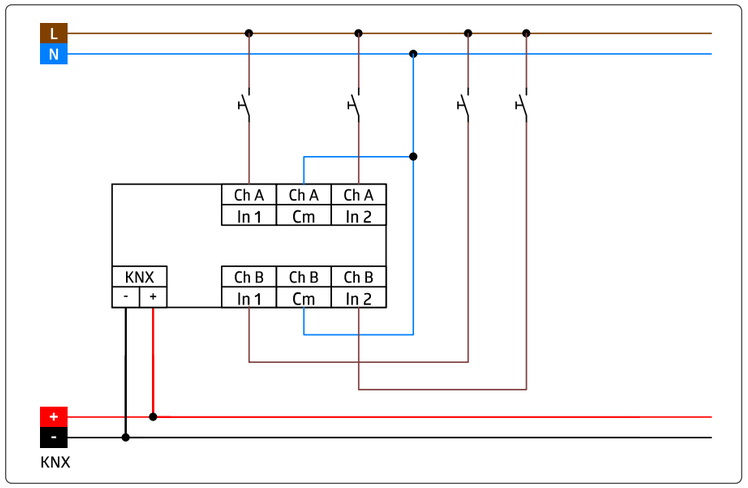
- PBM-KNXs-DX-4W



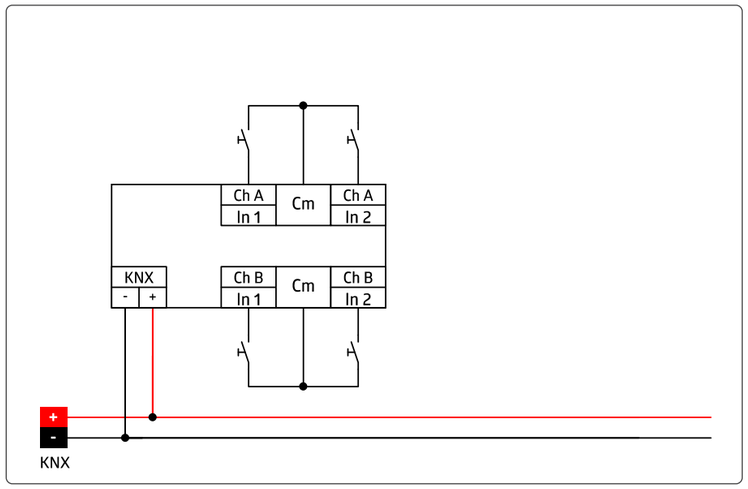
- LK-IP/KNXs REG



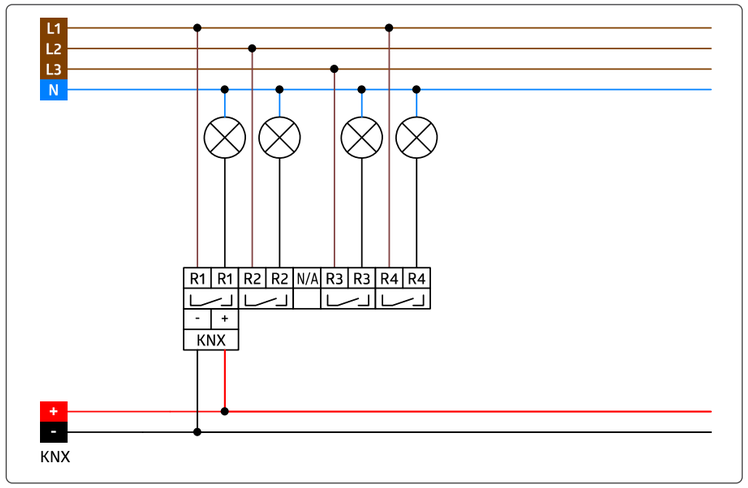
- WS-VOC-HVAC-KNX
- PD2N-KNXs-BA
- PD2N-KNXs-ST
- PD2N-KNXs-DX
- PD2N-KNXs-OCCULOG-DX
- PD4N-KNXs-BA
- PD4N-KNXs-ST
- PD4N-KNXs-DX
- PD4-KNXs-GH-DX
- PD5N-LAMELLA-KNXs-DX
- PICO-KNXs-ST
- PICO-KNXs-DX
- PD9-KNXs-DX
- PD9-KNXs-GH-DX
- PD11-KNXs-FLAT-ST
- PD11-KNXs-FLAT-DX
- Indoor 180-KNXs-ST
- Indoor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



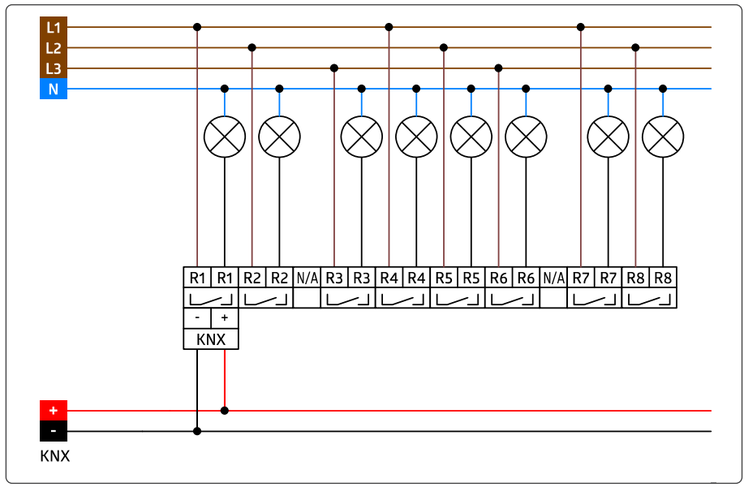
- BIA4-KNXs REG



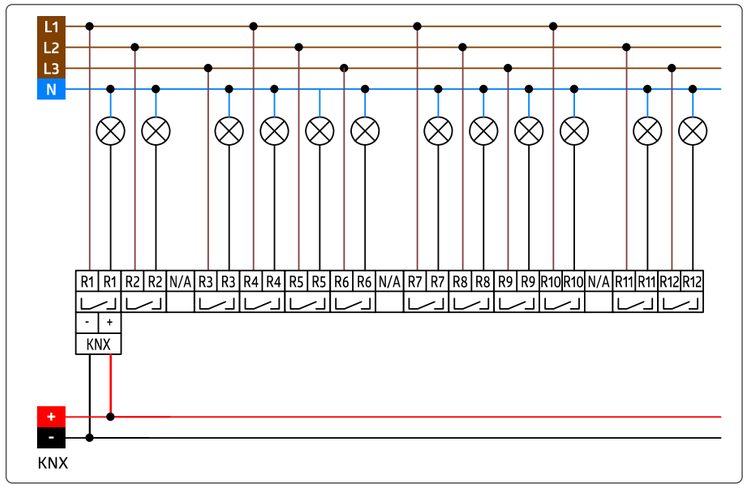
- BIP4-KNXs REG



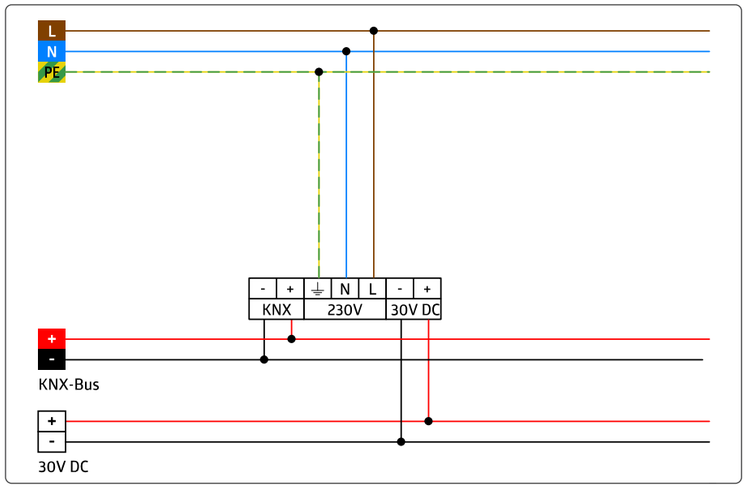
- SA4 - 230 / 16 / H / KNXs REG



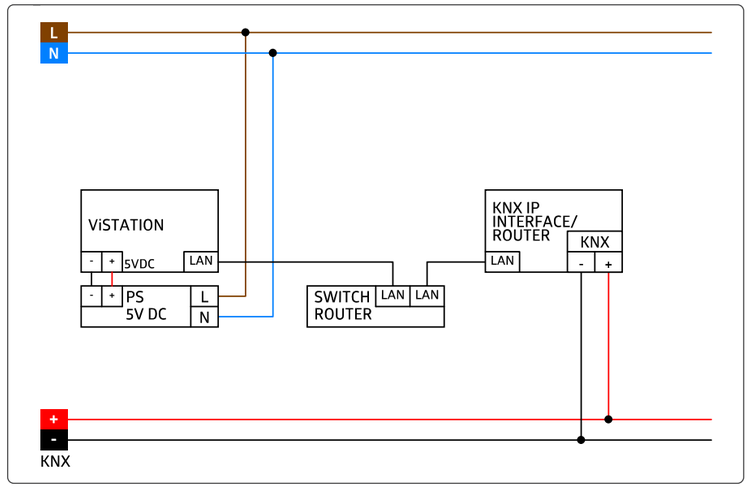
- SA8 - 230 / 16 / H / KNXs REG



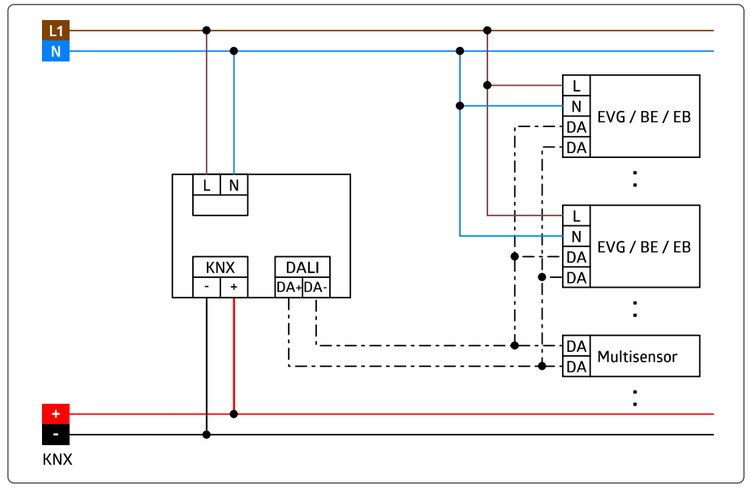
- SA12 - 230 / 16 / H / KNXs REG



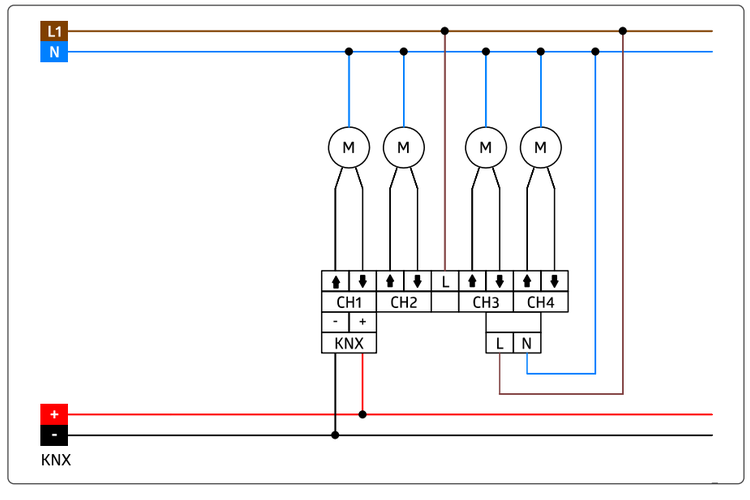
- PSN-230/640/30/KNX REG
- PSN-230/1280/30/KNX REG



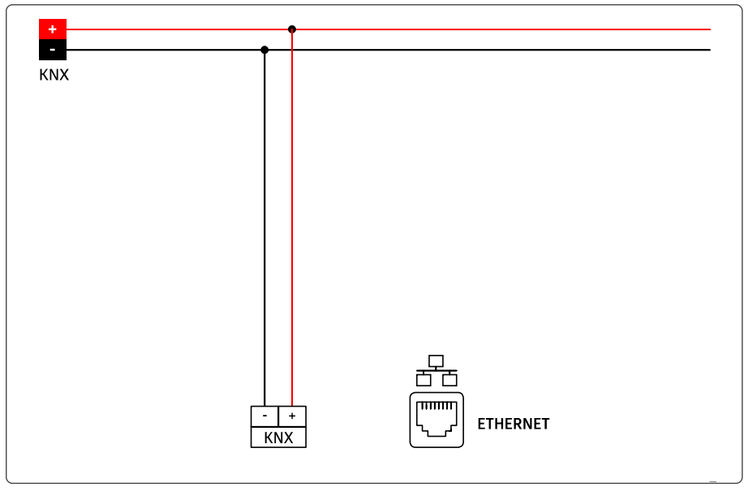
- ViSTATION



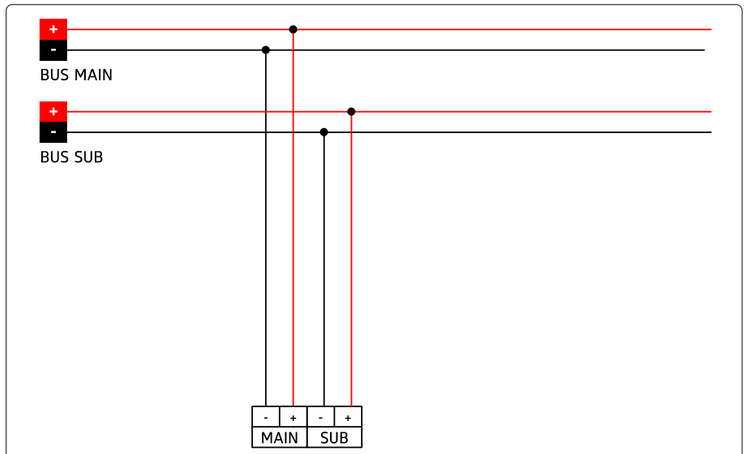
- DA64-230/KNX REG
- DA64-230/KNX REG DALI-2



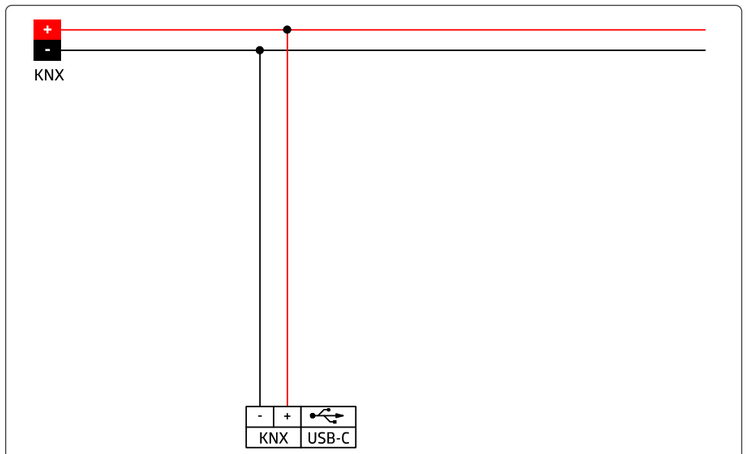
- SBA4-230/10/H/KNX REG



- LAN-IF/KNXs REG

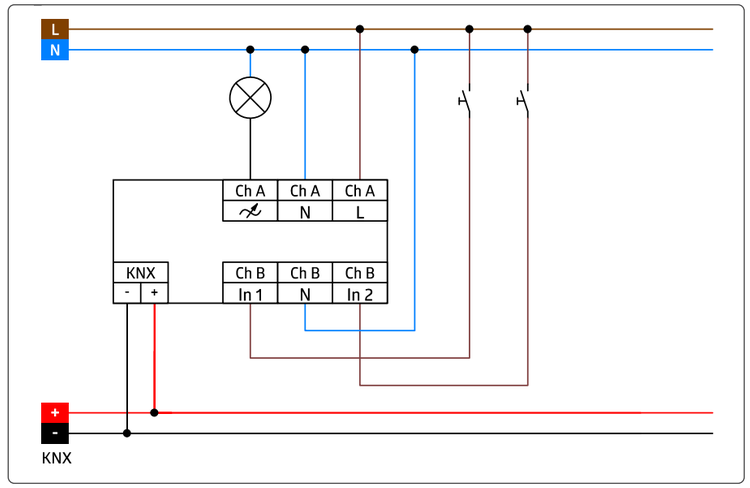


- LK-TP/KNXs REG

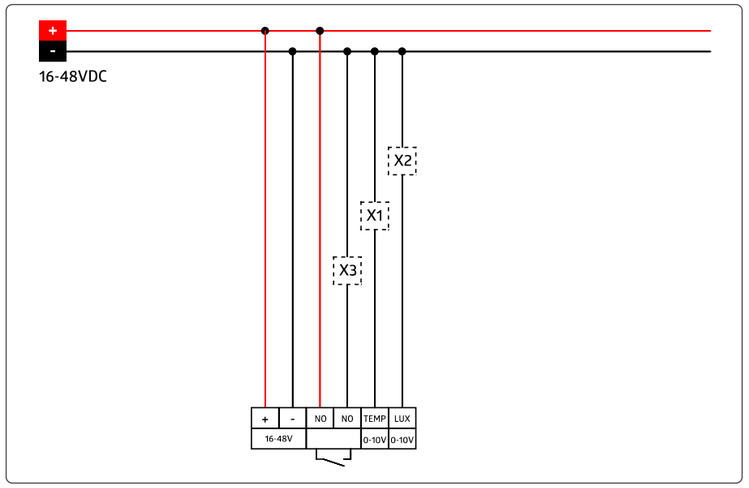


- USB-C-IF/KNX REG

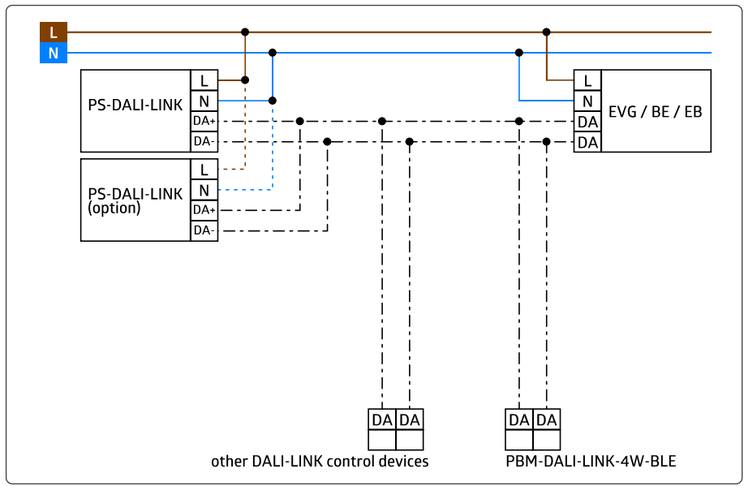
Wiring diagrams



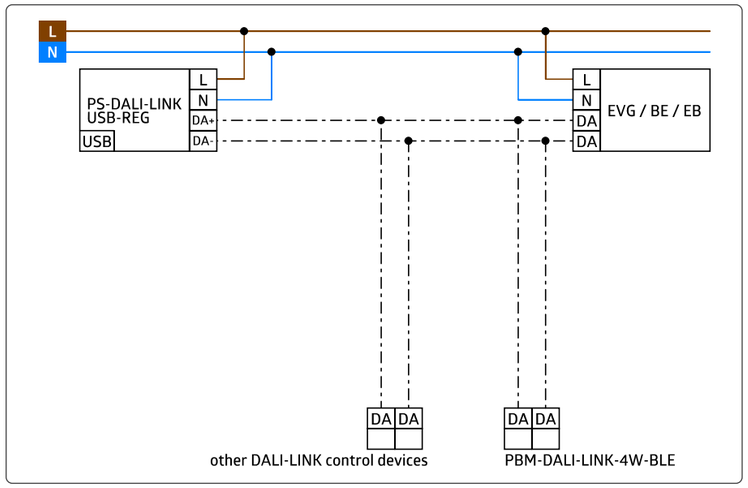
- UAD1-230/KNXs REG



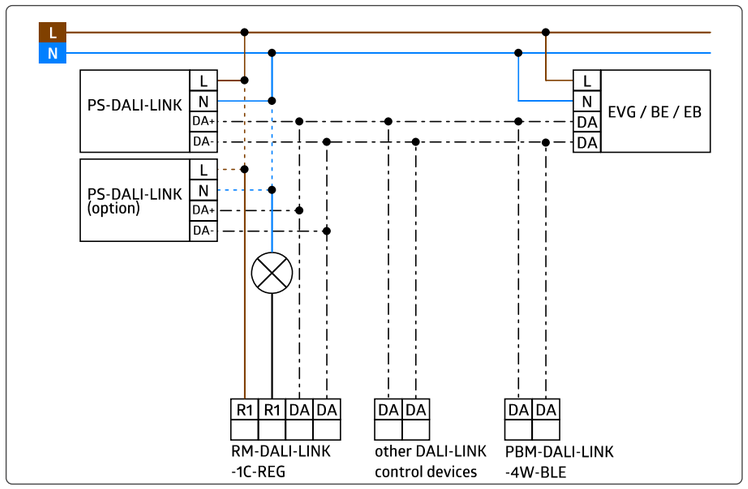
- PD2N-LTMS
- PD2N-LTMS-RR
- PD4N-LTMS-RR
- PD11-LTMS-RR



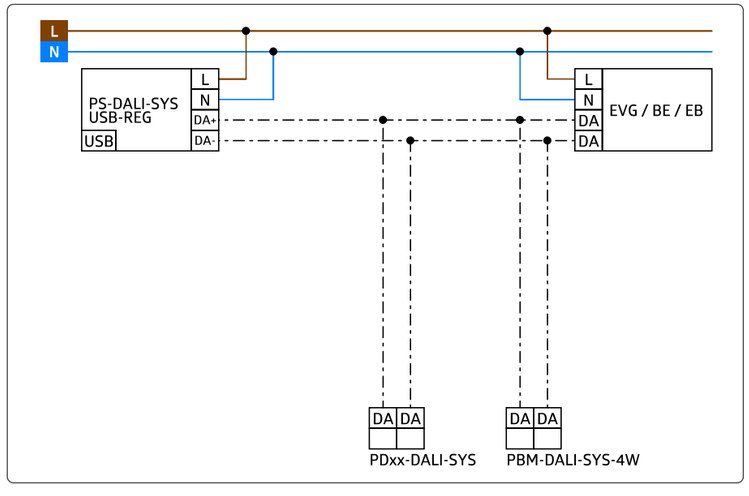
- PD11-DALI-LINK-FLAT
- PBM-DALI-LINK-4W-BLE
- PD4N-DALI-LINK
- PBM-DALI-LINK-4W
- PICO-DALI-LINK
- PD4-DALI-LINK-GH
- PS-DALI-LINK-DE



- 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
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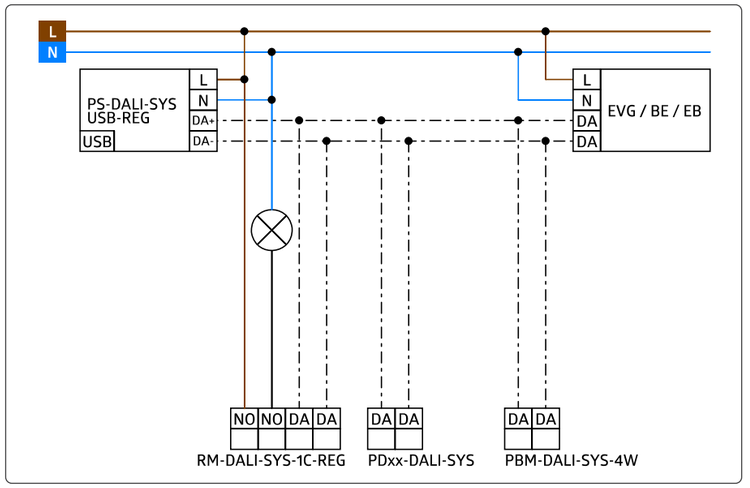
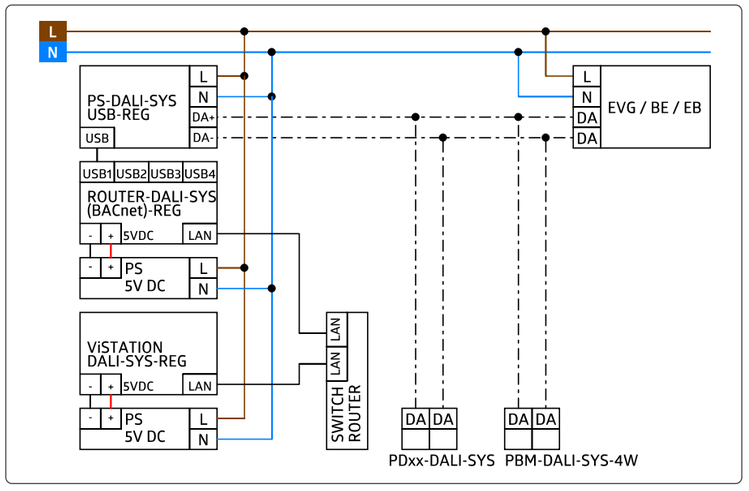
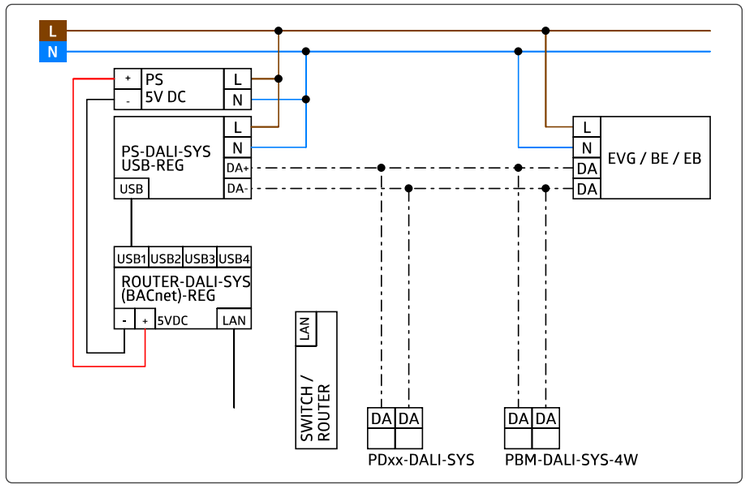


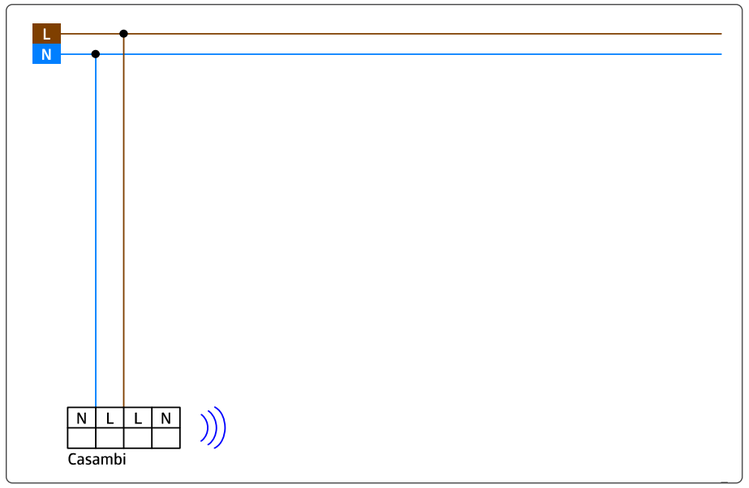
- RM-DALI-SYS-1C-REG



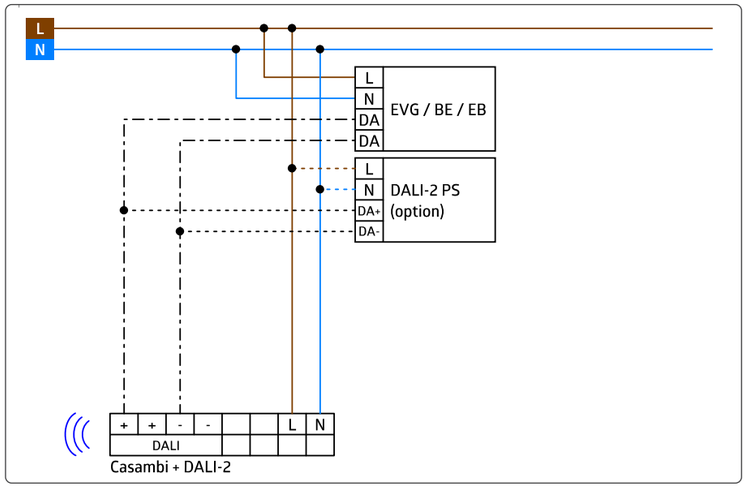
- ViSTATION-DALI-SYS-REG
- ROUTER2-DALI-SYS-REG



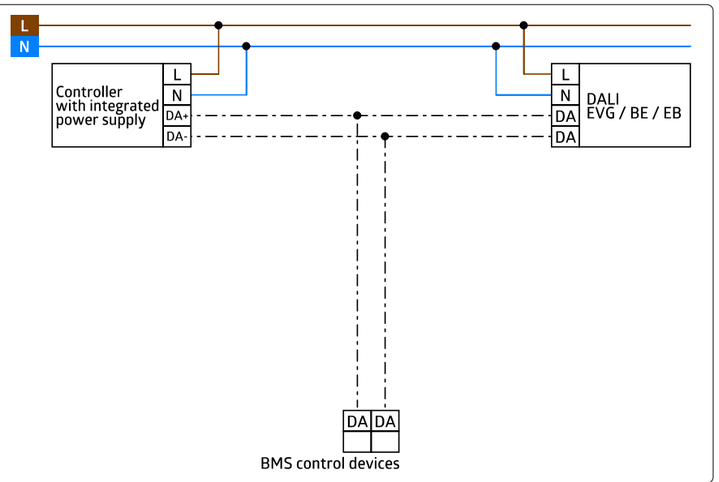
- ROUTER2-DALI-SYS-REG



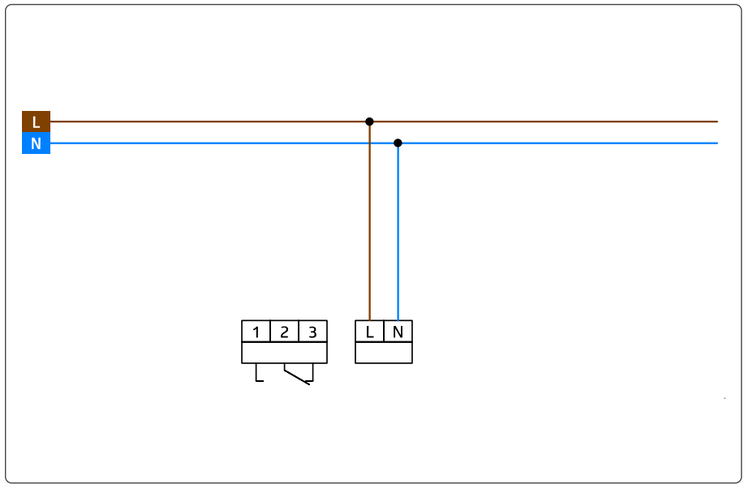
- PD4-CAS-GH
- PD4N-CAS
- PD2N-CAS



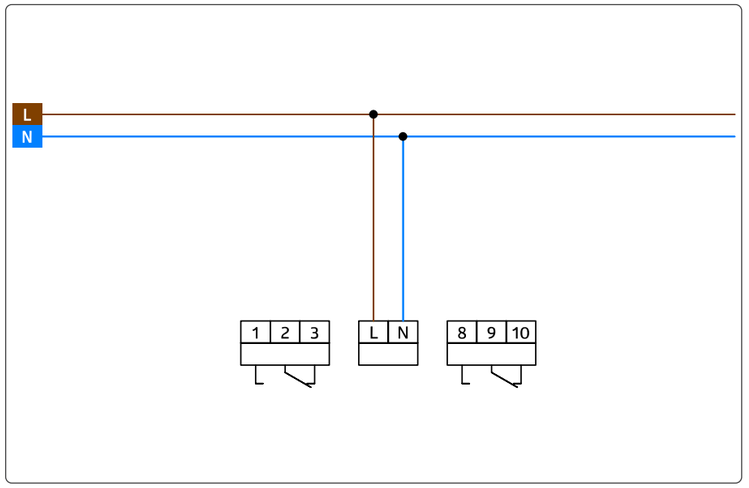
- PD4-CAS-GH DALI-2
- PD4N-CAS DALI2
- PD2N-CAS DALI-2



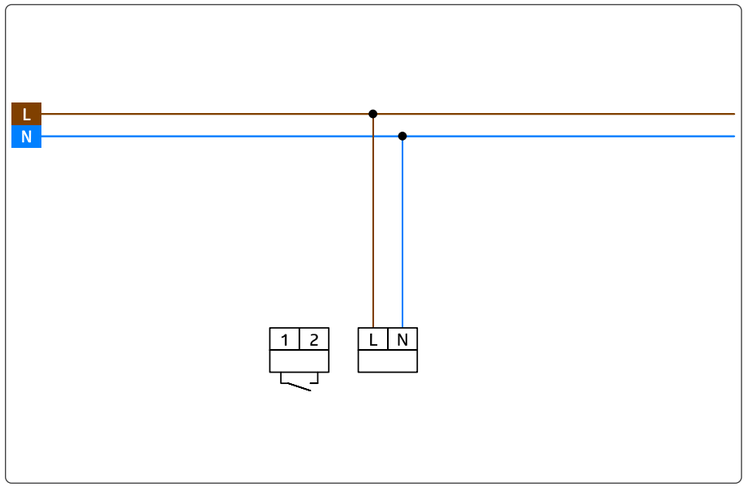
- PD2N-BMS-FC DALI-2
- PD5N-BMS-Lamella DALI-2
- PD4N-BMS DALI-2
- PD4-BMS-GH-SM DALI-2
- PICO-BMS DALI-2
- PD11-BMS-FLAT-FC DALI-2
- Indoor 180-BMS DALI-2
- LC-Mini 120-BMS DALI-2



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

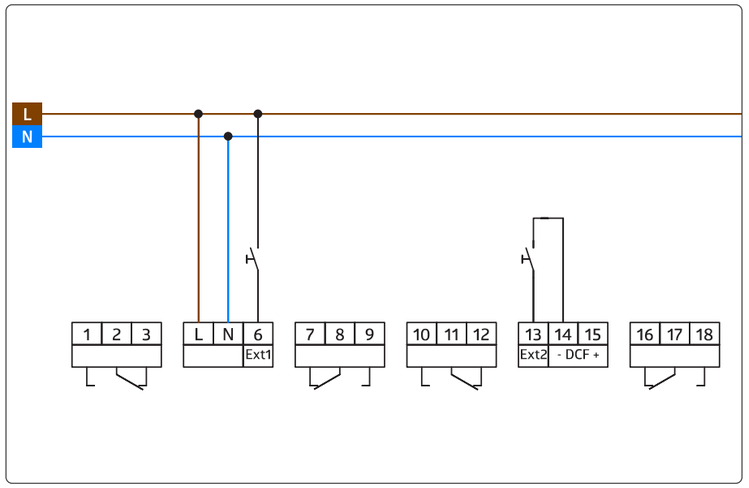


- TS-DW-3-NFC
- TS-ASTRO-5-BLE



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

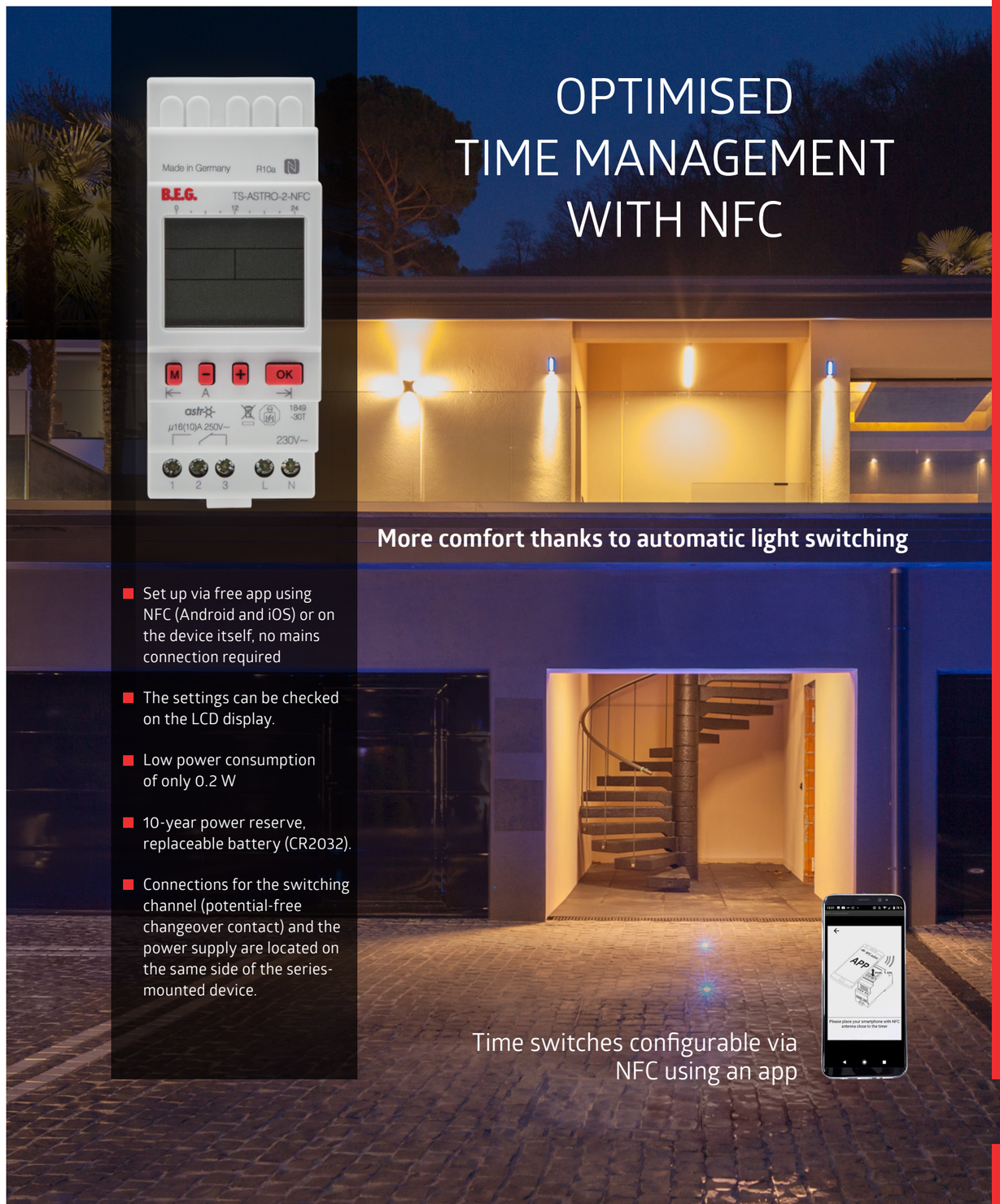
Wiring diagrams



- TS-DY2

50 YEARS est. 1975 B.E.G.

Feel comfortable in your building



- 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.

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93518	PD4-KNXs-GH-DX-SM	23	77
93520	PD9-KNXs-DX-FC	23	78
93522	PD11-KNXs-FLAT-ST-FC	23	79
93523	PD11-KNXs-FLAT-DX-FC	23	79
93524	Indoor 180-KNXs-ST covering not included	23	79
93525	Indoor 180-KNXs-DX covering not included	23	80
93527	RC-plus next N 230 KNXs-DX 230 white	23	80
93528	RC-plus next N 230 KNXs-DX 230 black	23	80
93529	PICO-KNXs-DX-FC	23	78
93530	PD2N-KNXs-OCCULOG-DX-FC	23	75
93531	PD2N-KNXs-OCCULOG-DX-FM	23	75
93533	PD2N-KNXs-BA-FC	23	74
93534	PD2N-KNXs-BA-FM	23	74
93535	PD4N-KNXs-BA-FC	23	75
93536	PD4N-KNXs-BA-FM	23	75
93539	PICO-KNXs-ST-FC	23	77
93540	Indoor 180-BMS DALI-2 covering not included	38	106
93541	LC-Mini 120-BMS DALI-2 white	38	106
93542	PD11-BMS-FLAT-FC DALI-2	38	105
93543	PD2N-BMS-FC DALI-2	38	104
93544	PD2N-BMS-FM DALI-2	38	104
93545	PD4-BMS-GH-SM DALI-2	38	105
93546	PD4N-BMS DALI-2	38	104
93547	PICO-BMS DALI-2	38	105
93563	OCCULOG-1C-FC	13	64
93580	PD2N-RF-KNXs-DX-FC	23	87
93582	SA1-230 / 16 / H / RF-KNXs	18	87
93615	AL12-25-300-LED-3C	29	118
93621	AL8-25-300-LED-3C	29	117
93631	AL8-25-300-LEDN-HF	28	115
93632	AL93-20-300-LED-3C-HF	28	116
93633	AL93-20-300-LED-3C	29	118
93667	PL2-30120D-LED-AG-DALI-TW	29	120
93806	WS-VOC-HVAC-KNX	23	88
93835	PB2-BMS DALI-2	38	107
93836	PB4-BMS DALI-2	38	107
93837	PB6-BMS DALI-2	38	107
93838	PB8-BMS DALI-2	38	107
93840	STARTERSET-DALI-LINK-SMALL-OFFICE	24	93
93845	PD4-DALI-LINK-GH-SM	24	91
93908	PICO-DALI-LINK-FC	24	91
93909	PICO-DALI-SYS-FC	39	96
94055	PD2N-M-1C-LED-FC	13	43
94101	SG Oslo transparent	11	112
94113	SG Wien white	11	113
94115	SG KR Crystal Spare glass ALC-K transparent	11	113
94325	Indoor 140-L covering not included	13	33
94328	Indoor 140-L covering included	13	33
94401	HF-MD1 white	27	40
94402	HF-MD2-SM	27	40
94440	HF-L1	28	116
94445	HF-L8 white	28	117
94446	L8 white	29	119
94447	HF-L11	28	117
94448	L11	29	119
94450	HF-L7 white	28	117
94451	L7 white	29	119
94453	L1	29	119
94455	L8-LEDN-HF white	28	114
94457	L9-LEDN-HF white	28	114

We reserve the right to make changes to technology and design, and to correct any errors.

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

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Feel comfortable in your building



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