LUXOMAT® Schematics for electricians and consultants

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Standard mode with 1-channel motion detector

![Wiring Diagram](wiring-diagram.png)

Wiring diagram for
- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C
- HF-MD1
- HF-H-MD1 Standard

Standard mode with 1-channel motion detector with permanent light function

![Wiring Diagram](wiring-diagram.png)

Wiring diagram for
- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C
- HF-MD1
- HF-H-MD1 Standard

optional:
- S1 = switch for permanent light
- RC = RC-suppression kit if required

Standard mode with 1-channel motion detector with NC pushbutton

![Wiring Diagram](wiring-diagram.png)

Wiring diagram for
- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C

T1 = NC button
Manual switching additionally possible (press opener approx. 2 sec.).
The position of the potentiometers should not be on “test” or “sun”. If so, the pre-set time and safety values get lost.
Wiring diagrams for wall-mounted motion detectors

Parallel connection with 1-channel motion detectors

Wiring diagram for
- RC-plus next max. 5 parallel
- LC-plus max. 5 parallel
- LC-Click-N max. 2 parallel
- LC-Mini max. 2 parallel
- PD3N-1C max. 8 parallel
- PD4N-1C max. 8 parallel
- PD9-1C max. 8 parallel

Standard mode with 1-channel motion detector

Wiring diagram for
- Indoor 180-R

optional:
S1 = switch for permanent light
T1 = NO button, manual switching additionally possible
RC = RC-suppression kit if required

Parallel connection with 1-channel motion detectors

Wiring diagram for
- Indoor 180-R max. 8 parallel

optional
T1 = NO button, manual switching additionally possible
WIRING DIAGRAMS FOR OUTDOOR, WALL AND CEILING-MOUNTED MOTION DETECTORS

Standard mode with 1-channel motion detector (e.g. stairs)

Wiring diagram for
- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C

Wiring diagram for
- Indoor 180-SC+SCT1 max. 10 Indoor-SC

Standard mode with 1-channel motion detector (e.g. stairs)
Standard mode with 2-channel motion detector

Wiring diagram for
• PD3N-2C

M1 = HVAC function

Standard mode with 2-wire technology, triac

Wiring diagram for
• Indoor 180-T

optional
S1 = switch for permanent light

Standard mode with 2-wire technology, relay

Wiring diagram for
• Indoor 180-R/2W-UK
• Indoor 180-R-2D

optional
S1 = switch for permanent light
Standard mode with Master 1-channel occupancy detectors with R terminal

Wiring diagram for
- PD5-M-1C

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with Master 1-channel occupancy detectors with R and S terminal

Wiring diagram for
- PD9-M-1C

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with Master 1-channel occupancy detectors (NO)

Wiring diagram for
- PD9-M-1C-SDB
Standard mode with Master 1-channel occupancy detectors (NO) with R and S terminal

Wiring diagram for
- PD2-M-1C
- PD4-M-1C

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with Master 1-channel occupancy detectors PS with R and S terminal

Wiring diagram for
- PD4-M-1C-C-PS

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with Master 2-channel occupancy detectors

Wiring diagram for
- PD1-M-2C
- PD2-M-2C
- PD4-M-2C
- Indoor 180-M-2C

M1 = HVAC function

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with Master 2-channel DUO occupancy detectors

Wiring diagram for
- PD4-M-2C-DUO

optional
T1&2 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with Master 3-channel TRIO occupancy detectors

Wiring diagram for
- PD4-M-3C-TRIO

optional
T1&2 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with Master DIM occupancy detectors

Wiring diagram for
- PD1N-M-DIM
- PD2-M-DIM
- PD4-M-DIM
- PD5-M-DIM
- PD9-M-DIM

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with Master TRIO DIM occupancy detectors

Wiring diagram for
- PD4-M-TRIO-DIM

optional
T1&2 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with Master DALI occupancy detectors

Wiring diagram for
• PD2-M-DALI/DSI
• PD4-M-DALI/DSI
• PD9-M-DALI/DSI

Standard mode with Master DUO DALI occupancy detectors

Wiring diagram for
• PD4-M-DUO-DALI

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with Master TRIO DALI occupancy detectors

Wiring diagram for

- PD4-M-TRIO-DALI

optional
T1&2 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with Master 2-channel 24 V occupancy detectors

Wiring diagram for
• PD2-M-2C-24V-3A
• PD2-M-2C-24V-RR

Standard mode with Master 2-channel 24 V occupancy detectors with reed relay

Wiring diagram for
• PD2-M-2C-24V-RR
  X1 = light sensor

optional
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with 1-channel 24 V occupancy detectors

Wiring diagram for
- Indoor 180-R-24V-3A
- Indoor 180-R-24V-RR

**optional**
T1 = NO button for semi-automatic mode

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Standard mode with 1-channel 24 V occupancy detectors
with reed relay

Wiring diagram for
- Indoor 180-R-24V-RR

**optional**
T1 = NO button for semi-automatic mode
Slave for enlargement of detection area
Standard mode with 1-channel motion detector

Wiring diagram for
- HF-L1
- MD10
- LT130
- Ecolight Automatic
- FLC150
- FLC500

Standard mode with 1-channel motion detector external

Wiring diagram for
- HF-L7
- HF-L8
- HF-L11
- HF-L12
- AL1
- AL4
- AL21
- AL20-CdS
- ALC-ELU/D
- AL20-280-BM
- AL20-280-BM-LED
- ALC-B-360
- ALC-B-360-DECO
- AL2-RC-plus-130/230/280
- FLC-280-LED
- FL2-LED-230
- AL5-RC-plus next
- AL5-LC

S1 = switch for permanent light
Standard mode with 1-channel motion detector with NC pushbutton

Wiring diagram for
- AL1
- AL21
- AL20-280-BM
- AL20-280-BM-LED
- ALC-B-360
- ALC-B-360-DECO
- AL2-RC-plus-130/230/280
- FLC-280-LED
- FL2-LED-230
- AL5-RC-plus next
- AL5-LC

T1 = NC button
Manual switching additionally possible (press opener approx. 2 sec.).
The position of the potentiometers should not be on “test” or “sun”. If so, the pre-set time and safety values get lost.

Standard mode with 1-channel motion detector

Wiring diagram for
- AL1
- AL21
- AL20-CdS
- ALC-ELU/D
- AL20-280-BM
- AL20-280-BM-LED
- ALC-B-360
- ALC-B-360-DECO
- AL2-RC-plus-130/230/280
- FLC-280-LED
- FL2-LED-230
- AL5-RC-plus next
- AL5-LC

max. 5 parallel
Standard mode with 1-channel photo electric switch

Wiring diagram for
- CdS-SM
- CdS-T-SM
- CdS-FC

S1 = switch for permanent light

Standard mode with 1-channel photo electric switch

Wiring diagram for
- TS-DD

max. 100 m 1.5 mm²