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MICROSAFE®

3517 Art. No.: 11635

Technical data

Motion sensor with dimmer device
MBD AutoLight DimLed/Lux

Voltage: 230 VAC +10/-20%
Physical dimensions: Adapted to RS16
Mounting depth 24 mm

Max./min. load
See load table

Outputs: 2-pole breaker,
315 VA
Reverse phase cut (GLE)
Light level: 1-99

Angle of coverage: H 100° X 90°
Range: Approx. 12 metres

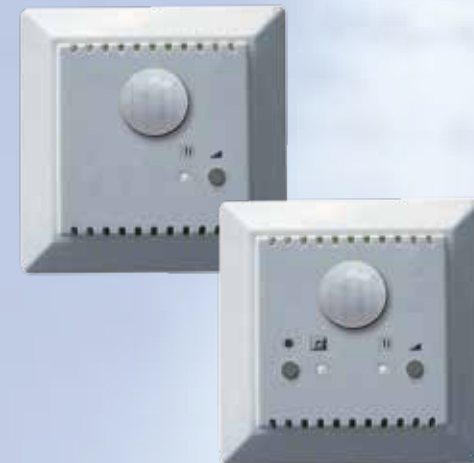
Detection zones: 92
Time setting: 1 min.-2 hours

Protection:
Electronic over-temperature protection
Mechanical thermal protection.
Electronic short-circuit protection.

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Installation instructions/User instructions



MBD AutoLight DimLed/Lux

MBD AutoLight DimLed EL. No.: 1418222
MBD AutoLight DimLed Lux EL. No.: 1418223

Function description

The MBD AutoLight DimLed (1418222) and DimLedLux (1418223) are in reality complete control systems for lighting, in various rooms.

DimLed offers simple light control with automatic switch-on at the previously set light level. The combination of a motion detector with flexible time-out and an LED dimmer is the optimum solution for small rooms, meeting rooms, offices, etc., and offers excellent energy efficiency.

Adding the Lux sensor function provided by DimLedLux gives the perfect solution for lounges, kitchens, meeting rooms, classrooms, etc., which often have a lot of natural lighting, so ceiling lighting is not needed for parts of the day.

Try MBD AutoLight DimLed and DimLedLux! We know you won't be disappointed!

Operation

Warm-up

The red LED flashes every 2 s for 30 s during warm-up, e.g. following power cut or installation.

MBD AutoLight DimLed has two light levels, each with its time-out value.

- Time A/Light level 1 starts when motion is detected.
- Time B/Light level 2 starts when time A has expired.

Once time B expires, the light turns off. If the timer pointer is in position C, D, E or F, time B will not expire and the light will not turn off but remain at level 2 until a new movement activates time A/light level 1 again.

OFF-AUTO-Dim (right-hand button)

A short press on the button toggles between OFF and AUTO.

Setting light level 1

When the right-hand button is held in, light dimming is activated.

Indicator: red LED flashes quickly = light level 1.

The light fades alternately up and down.

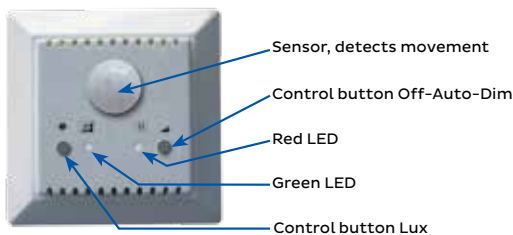
Setting light level 2

After light level 1 has been set, press the right-hand button briefly.

Indicator: red LED gives 2 short flashes = light level 2.

When the right-hand button is held in, light dimming is activated. The light fades alternately up and down.

Once the light has been set, press the right-hand button briefly, or just wait.



NB The red LED will flash every 2 seconds for 30 seconds during warm-up.

Setting the lux level

The lux meter means that the light will not be turned on if the room is already light enough. Applies only to MBD AutoLight DimLedLux (1418223).

A short press on the left-hand button turns the lux measurement on/off. Prior to saving the lux level, the motion sensor should be turned off with a short press to the right-hand button, so that the light does not affect the measurement. Hold the lux button in until the green light flashes. This will save the lux level applying at that moment.

Control button Lux	Function	Green LED
Short press (when off)	Lux measurement on	On
Short press (when on)	Lux measurement off	Off
Hold	Adjusts lux level	Flashes

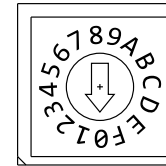
After 10 s without operation of buttons, the setting is saved. All settings are saved in the event of a power cut.

Setting the time-out value

Setting the time-out value (the time the power/light remains on after the last detected movement) is done from the rear of the front panel on the MBD AutoLight DimLed. Setting the desired time-out is done by selecting the relevant setting on the pointer, as shown on the table.

Pointer position	Time A Minutes	Time B Minutes
0	1	1
1	10	1
2	30	1
3	120	1
4	1	30
5	10	30
6	30	30
7	120	30

Pointer position	Time A Minutes	Time B Minutes
8	1	120
9	10	120
A	30	120
B	120	120
C	1	Infinity
D	10	Infinity
E	30	Infinity
F	120	Infinity



Wiring diagram

Short-circuit

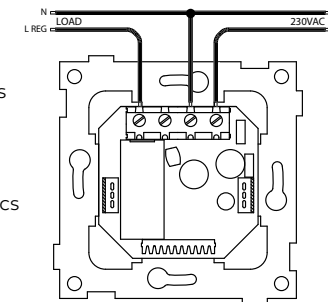
If the MBD AutoLight DimLed detects a short circuit, it will turn off and the red diode will flash once every two seconds.

Temperature protection

MBD AutoLight DimLed monitors the temperature in the wall box and will turn off at 75°C. It can be manually turned on again at 65°C. This is for safety reasons, but also to protect the electronics and prevent the product from damage. The red diode will flash twice every two seconds.

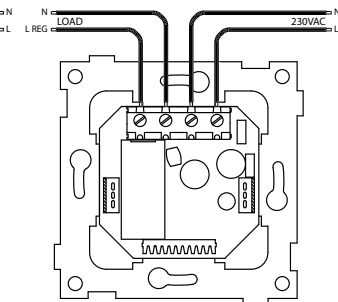
1-pole breaker

Connection with 1-pole breaker. Common N conductor.



2-pole breaker

Connection with 2-pole breaker.



To turn off, turn the product off/on.