

SM01 Motion detector for outdoor use

The SM01 is a wireless and wired motion detector for automatic lighting control based on movement and brightness. It is suitable for wall mounting outdoors.

If a movement is detected while the measured brightness is below the set threshold value, the non-floating 230V relay output of the motion detector switches ON for the set time.

In addition, a radio telegram (Easywave code A) is sent, which can be taught into Easywave receivers. After the set time has elapsed, the relay output of the motion detector switches OFF and Easywave code B is transmitted.



SM01E5001A01-01K

Technical specifications

Coding	factory coding with Easywave telegram		
Frequency	868.30 MHz		
Channels	1		
Range	typically 150 m in good free-field conditions		
Power supply	230 V AC, 50 Hz		
Power consumption	0.8 W standby		
Detection angle	180°		
Detection area	crosswise max. 12 m, frontal max. 5 m		
Brightness setting range	5 to 1000/∞ Lux		
Switching period range	1 s to 20 min		
Function	detection of movement / transmitting by radio switching ON/OFF (2-button operation)		
Output	1 relay contacts (normally open)		
Maximum contact load			
LED lamps	≤2W = 25 W	2-8W = 90 W	>8W = 100 W
Incandescent and halogen lamp load	2,300 W		
Low-voltage halogen lamps	2,300 VA		
Fluorescent lamps (low-loss series devices)	400 VA		
Fluorescent lamps (electronic series devices)	600 VA		
Compact fluorescent lamps (electronic series devices)	150 W		
Degree of protection	IP55		
Operating temperature	-25 °C to +45 °C		
Dimensions	127 x 85 x 100 mm		
Weight	220 g		
Color	white similar to RAL 9003		

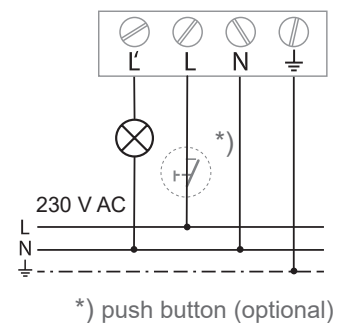
Scope of delivery

- Motion detector
- Mounting material
- Operating manual

Models

Product numbers	Description	Function
SM01E5001A01-01K	Motion detector 1-channel white, 180°	ON/OFF

Wiring diagram



Detection range

