Motion detector

IR 180 AP easy

Surface wiring
EAN 4007841 066048
Article number 066048

infrared sensor 180°

max. 8 m

long life LED 25.000 h

200 W

max. 2000 W

manual switch ON/ OFF

Teach

Teach mode

IP54

2 - 1000 lux

5 sec - 30 min

CE

Function description

Everything but afraid of water. Infrared sensor switch IR 180 AP easy for indoors and out, ideal for basements, garages, carports and outdoor areas, switches light 'ON' and 'OFF' automatically, reach up to 8 m, adjustable time and twilight threshold, splashproof, can also be used in damp rooms or in the open. It works in both as 2 and 3-wire installations and can switch all type of lamps ON and OFF.

Technical specifications

Dimensions (L x W x H)	82 x 72 x 67 mm
With motion detector	Yes
Manufacturer's Warranty	3 years
Settings via	Potentiometers
With remote control	No
Version	Surface wiring
PU1, EAN	4007841066048
Type	Motion detectors
Application, place	Indoors, Outdoors
Application, room	corridor / aisle, function room / ancillary room, WC / washroom, outdoors, Indoors
Colour	grey
Colour, RAL	7035
Includes corner wall mount	No
Installation site	wall
Package content	1
Installation	Surface wiring, Wall

Switching output 1, low-voltage halogen lamps	200 VA
LED lamps < 2 W	40 W
LED lamps > 2 W < 8 W	100 W
LED lamps > 8 W	160 W
Capacitive load in µF	132 µF
Technology, sensors	passive infrared, Mixed light metering
Voltage range (min)	220 V
Voltage range (max)	240 V
Mounting height	0,90 – 2,20 m
Mounting height max.	2,20 m
Optimum mounting height	1,1 m
Detection angle	180 °
Angle of aperture	90 °
Sneak-by guard	Yes
Electronic scalability	No
Mechanical scalability	No

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Technical specifications

IP-rating	IP54
Protection class	II
Ambient temperature	from 0 up to 40 °C
Material	Plastic
Mains power supply	220 – 240 V / 50 – 60 Hz
Switching output 1, resistive	200 W
Switching output 1, number of LEDs / fluorescent lamps	4 pcs.
Fluorescent lamps, electronic ballast	150 W
Fluorescent lamps, uncorrected	150 VA
Fluorescent lamps, series-corrected	150 VA
Fluorescent lamps, parallel-corrected	150 VA

Reach, radial	r = 3 m (14 m^2)
Reach, tangential	r = 8 m (101 m^2)
Switching zones	96 switching zones
Twilight setting	2 – 1000 lx
Time setting	5 s – 30 Min.
Basic light level function	No
Main light adjustable	No
Twilight setting TEACH	Yes
Constant-lighting control	No
Interconnection	Yes
Product category	Motion detector

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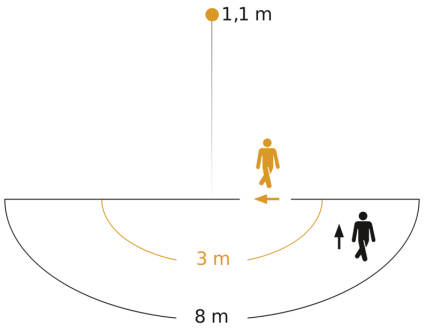
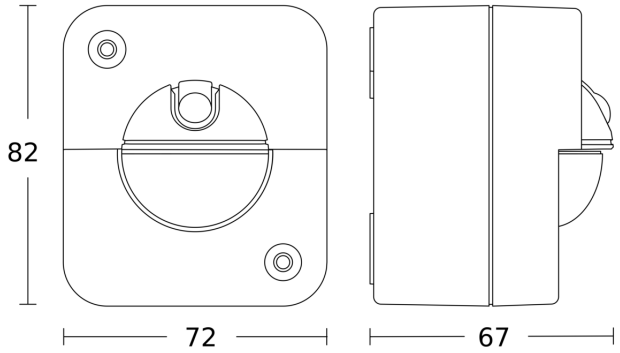
Detection Zone

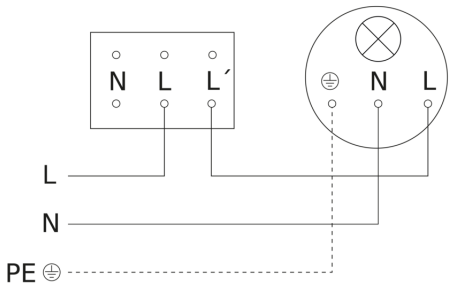


Possible mounting height: 0,90 m – 2,20 m
Orange: radial
Black: tangential

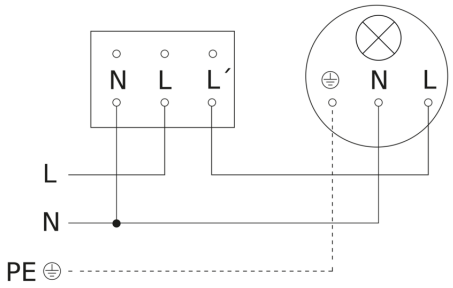
Dimension Drawing



2-wire circuit diagram



3-wire circuit diagram



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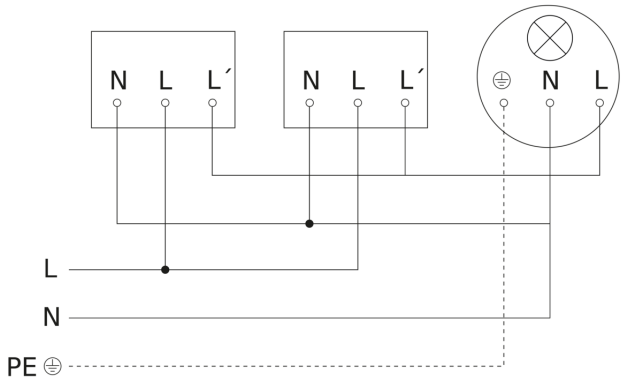
Circuit diagram for interconnecting several sensors