Motion detector - Professional Line

IS 345

COM1 - concealed, sq.
EAN 4007841 033804
Article number 033804

infrared sensor 360° | max. 20 x 4 m | 2000 W max. (LED-ready) | IP20 | 2 - 1000 lux | 5 sec - 15 min | manual override 4h | ideal 2,5 - 5 m | Teach mode | energy saving

Function description

Huge reach. Infrared motion detector IS 345 for indoors and out, ideal for passageways, corridors and commonly used spaces, installation height 5 m, detection zone 12 x 6 m (radial) and 23 x 6 m (tangential), heavy-duty relay for high switching capacity. Available either in round or square surface-mounted, concealed or In-ceiling installation.

Technical specifications

Dimensions (L x W x H)	78 x 94 x 94 mm
Manufacturer's Warranty	5 years
Settings via	Remote control, Potentiometers, Smart Remote
With remote control	No
Version	COM1 - concealed, sq.
PU1, EAN	4007841033804
Type	Motion detectors
Application, place	Indoors
Application, room	corridor / aisle, multi-storey / underground car park, Indoors
Colour	white
Colour, RAL	9003
Includes corner wall mount	No
Installation site	ceiling
Installation	Concealed wiring, Ceiling
IP-rating	IP20
Ambient temperature	-20 – 50 °C

LED lamps > 8 W	600 W
Capacitive load in µF	176 µF
Technology, sensors	passive infrared, Light sensor
Mounting height	2,50 – 5,00 m
Mounting height max.	5,00 m
Optimum mounting height	2,8 m
Detection angle	Aisle, 360 °
Angle of aperture	45 °
Sneak-by guard	Yes
Capability of masking out individual segments	Yes
Electronic scalability	No
Mechanical scalability	No
Reach, radial	12 x 6 m (72 m^2)
Reach, tangential	23 x 6 m (138 m^2)
Switching zones	280 switching zones
Functions	Normal / test mode, Manual ON / ON-OFF

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Technical specifications

Material	Plastic
Mains power supply	220 – 240 V / 50 – 60 Hz
Switching output 1, resistive	2000 W
Switching output 1, number of LEDs / fluorescent lamps	8 pcs.
Fluorescent lamps, electronic ballast	1500 W
Fluorescent lamps, uncorrected	1000 VA
Fluorescent lamps, series-corrected	400 VA
Fluorescent lamps, parallel-corrected	400 VA
Switching output 1, low-voltage halogen lamps	2000 VA
LED lamps < 2 W	100 W
LED lamps > 2 W < 8 W	300 W

Twilight setting	2 – 1000 lx
Time setting	5 s – 15 Min.
Basic light level function	No
Main light adjustable	No
Twilight setting TEACH	Yes
Constant-lighting control	No
Interconnection	Yes
Type of interconnection	Master/master
Interconnection via	Cable
Interconnection, number	max. 10 sensors

Accessories

EAN 4007841 009151	Remote control Smart Remote
EAN 4007841 559410	Service remote control RC8
EAN 4007841 056728	Black cover for IR-sensors

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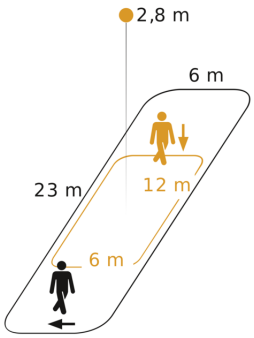
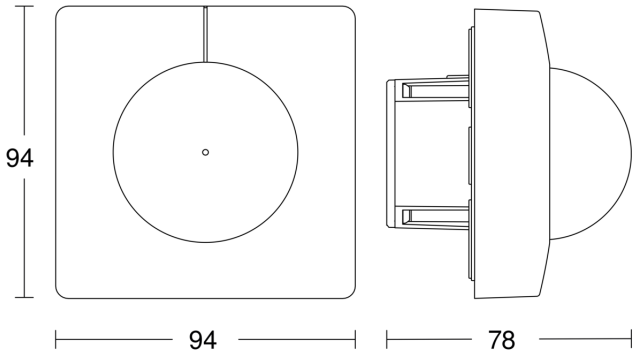
Detection Zone

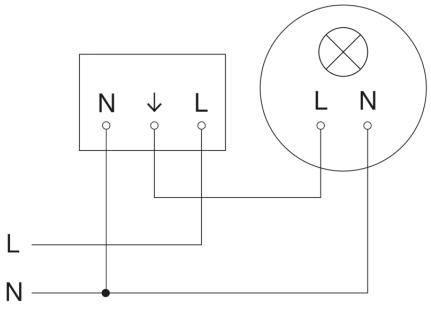


Possible mounting height: 2,50 m - 5,00 m
Orange: radial
Black: tangential

Dimension Drawing



Master circuit diagram



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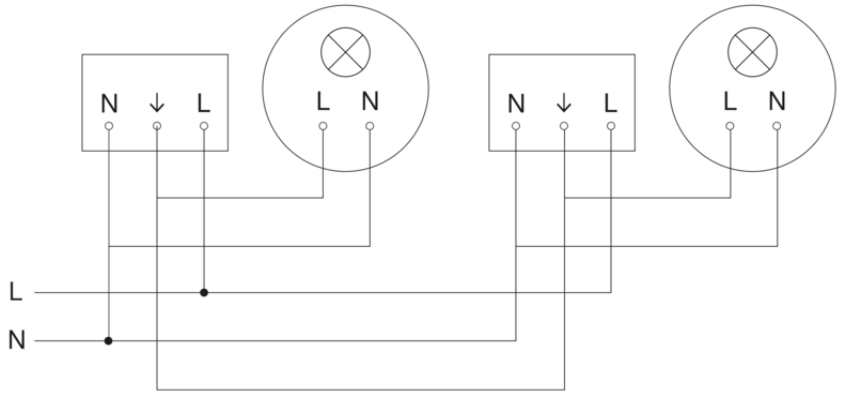
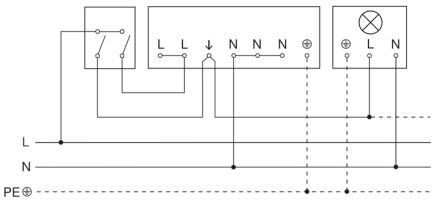
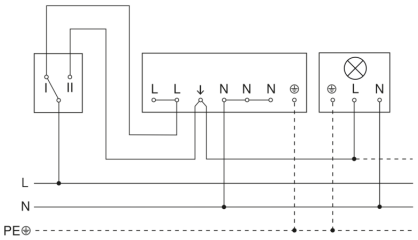
Circuit diagram for interconnecting several sensors



Connection using two-circuit switch for manual and automatic operation



Circuit diagram Connection via a changeover switch for continuous and automatic operation