Presence detector - Professional Line

DualTech

COM1 - in-ceiling installation
EAN 4007841 079574
Article number 079574

ultrasonic sensor 360° | infrared sensor 360° | max. Ø 6 m presence | 2000 W max. (LED-ready) | IP20 | ideal 2,5 - 3,5 m | indoor sensor | IQ-mode | Teach mode | energy saving

Function description

The best of both worlds. Combined in one detector. Ultrasonic presence detector DualTech, ideal for offices, conference rooms and class rooms. 36 sq.m. presence zone, ultrasonic technology provides reliable detection behind objects regardless of temperature, additional detection capability with PIR technology, electronic adjustment for ultrasonic reach, COM1 for switching light ON and OFF.

Technical specifications

Dimensions (L x W x H)	103 x 120 x 120 mm
Manufacturer's Warranty	5 years
Settings via	Remote control, DIP switches, Potentiometers, Smart Remote
With remote control	No
Version	COM1 - in-ceiling installation
PU1, EAN	4007841079574
Type	Presence detector
Application, place	Indoors
Application, room	classroom, one-person office, open-plan office, conference room / meeting room, duty room, recreation room, Indoors
Colour	white
Colour, RAL	9010
Includes corner wall mount	No
Installation site	ceiling
Installation	In-ceiling installation, Ceiling

Detection angle	360 °
Angle of aperture	180 °
Sneak-by guard	Yes
Capability of masking out individual segments	No
Electronic scalability	Yes
Mechanical scalability	No
Reach, radial	Ultrasonic: Ultraschall: Ø 10 m (Ultraschall: 79 m^2)
Reach, tangential	Ultrasonic: Ultraschall: Ø 10 m (Ultraschall: 79 m^2)
Reach, presence	Ultrasonic: Ultraschall: Ø 6 m (Ultraschall: 28 m^2)
Reach, radial 2	passive infrared: Passiv Infrarot: Ø 4 m (Passiv Infrarot: 13 m^2)
Reach, tangential 2	passive infrared: Passiv Infrarot: Ø 8 m (Passiv Infrarot: 50 m^2)
Reach, presence 2	passive infrared: Passiv Infrarot: Ø 4 m (Passiv Infrarot: 13 m^2)

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Technical specifications

IP-rating	IP20
Ambient temperature	-25 – 55 °C
Material	Plastic
Mains power supply	220 – 240 V / 50 – 60 Hz
Sensor Technology 2	passive infrared
Technology, sensors	Ultrasonic, passive infrared, Light sensor
Mounting height	2,50 – 3,50 m
Mounting height max.	3,50 m
Optimum mounting height	2,8 m
Ultrasonic technology	40 kHz

Functions	Normal / test mode, Semi-/fully automatic, Pushbutton / switch mode, Manual ON / ON-OFF
Twilight setting	10 – 1000 lx
Time setting	30 s – 30 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, Master/slave
Interconnection via	Cable
Interconnection, number	max. 10 sensors

Accessories

EAN 4007841 009151	Remote control Smart Remote
EAN 4007841 559410	Service remote control RC8

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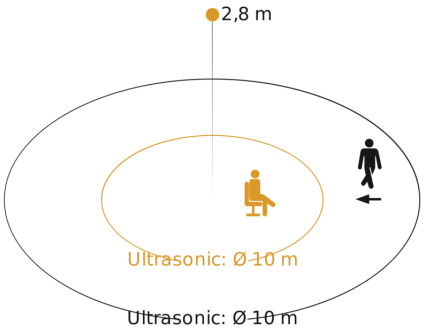
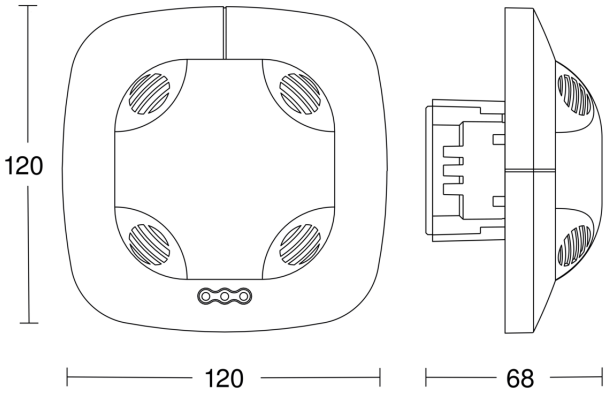
Detection Zone

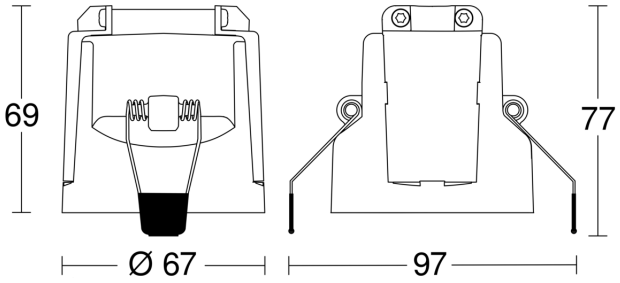


Possible mounting height: 2,50 m - 3,50 m
Orange: presence and tangential
Black: radial

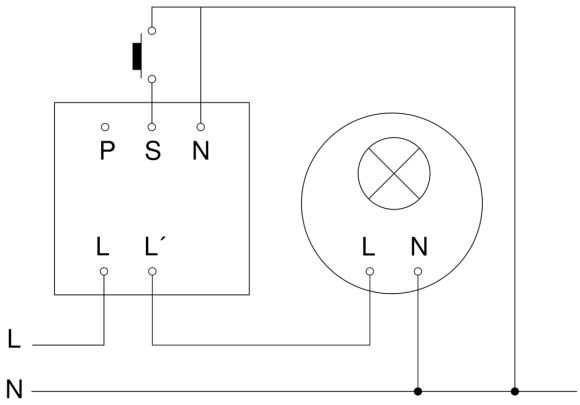
Dimension Drawing 1



Dimension Drawing 2



Master circuit diagram



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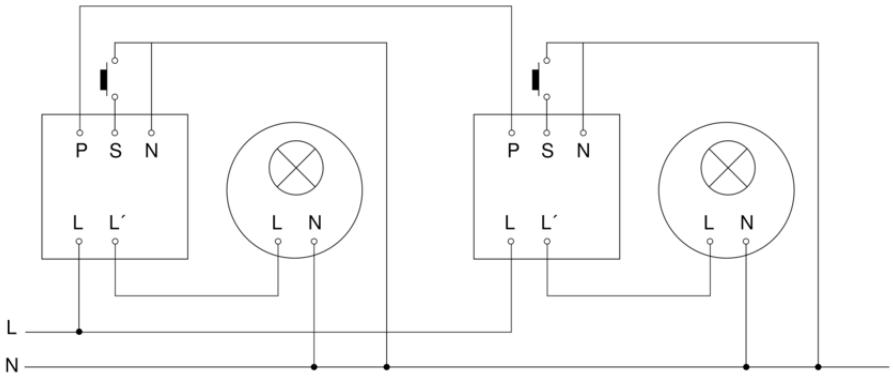
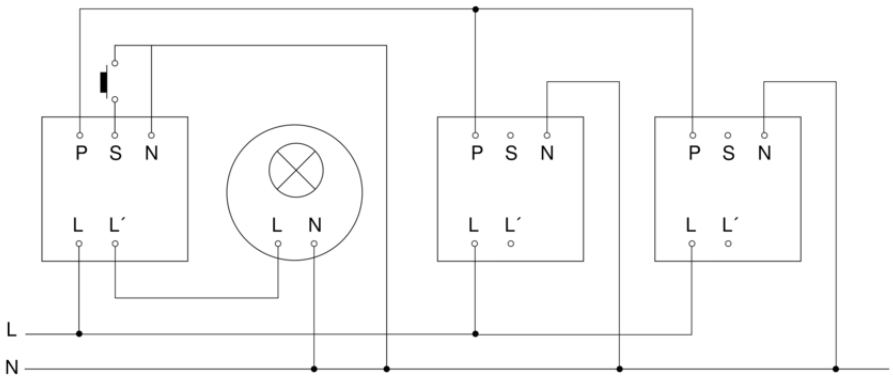
Master/master interconnection circuit diagram



Master/slave interconnection circuit diagram