

# IR 180

**The new standard for infrared sensor switches.**

**New design, intelligent technology, fast installation.**

The IR 180 is the solution if infrared sensor switches are planned in new or existing buildings where 3-wire cabling exists or is planned. 180 denotes the sensor's huge angle of coverage. It misses absolutely nothing, neither to the left or right.

The IR 180 also comes in a new design and can be installed quickly and easily.

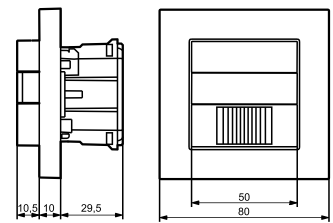
The KNX version also indicates the temperature and humidity levels measured.



CONTROL  
**PRO**  
SYSTEM

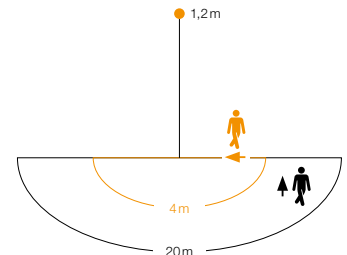


EAN IR 180 COM1, white.....	4007841 029944
EAN IR 180 COM1, silver.....	4007841 032982
EAN IR 180 COM2, white.....	4007841 033002
EAN IR 180 COM2, silver.....	4007841 032999
EAN IR 180 DALI, white.....	4007841 033026
EAN IR 180 DALI, silver.....	4007841 033019
EAN IR 180 KNX, white.....	4007841 058463
EAN IR 180 KNX, silver.....	4007841 058456



**You will find information on the interfaces as well as wiring diagrams from page 154 onwards.**

Type .....	Presence switch
Dimensions (H x W x D) .....	80 x 80 x 20.5 mm
Power supply .....	220-240V, 50/60Hz
Sensor type .....	Passive infrared
Where to use .....	Indoors
Installation .....	Wall
Recommended installation height .....	1.2 m
Output COM1, COM2 .....	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 132 µF
Output DALI .....	2x 2-conductor DALI control line / broadcast for 2x 12 electronic ballasts, switching mode
Angle of coverage .....	180°
Reach .....	max. 20 m
Twilight setting .....	2 - 1000lx
Time setting .....	30 sec - 30 min
User-friendly DALI functions .....	Constant-lighting control, basic light at 10 - 50% for 0 - 30 min or all night long
IP rating .....	IP20
Temperature range .....	0 to +40°C
Enclosure .....	UV-resistant plastic, paintable



IR 180 detection zone  
Mounting height: 1.2 m  
Orange: radial  
Black: tangential

Wiring diagrams from page 154

**Optional accessories**

EAN Adapter for Busch-Jaeger, white .....	4007841 034139
EAN Adapter for Busch-Jaeger, silver .....	4007841 034146
EAN Adapter for Jung, white .....	4007841 034184
EAN Adapter for Jung, silver .....	4007841 034177
EAN Adapter for Feller, white .....	4007841 034160
EAN Adapter for Feller, silver .....	4007841 034153
EAN User remote control RC5 .....	4007841 592806
EAN Service remote control RC8 .....	4007841 559410
EAN Remote control Smart Remote .....	4007841 009151



White

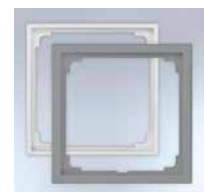


Silver

Optional remote controls refer to page 300



Optional adapters made of UV-resistant plastic



# Presence Switch Interfaces

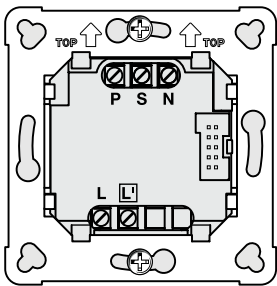
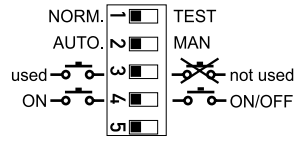
## Team player with numerous connections.

STEINEL presence switches with 3-wire cabling are available in a number of different versions. Depending on the application you are planning, you can choose between COM1, COM2, DALI or KNX. With COM1, lighting can be switched ON and OFF

automatically. The COM2 interface additionally allows you to control heating, ventilation and air-conditioning systems. DALI provides a digital DIM interface for controlling 2 lighting channels, with KNX letting you use your presence switches for automating buildings as well as for controlling 4 lighting channels and HVAC.

## DIP-switch assignment

- DIP 1: Normal/test mode
- DIP 2: Semi-/fully automatic mode
- DIP 3: Button/switch mode
- DIP 4: ON button/ON-OFF button
- DIP 5: Constant-lighting control ON-OFF (DIM/DALI)



## COM1

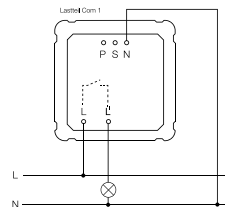
**Power supply** 220–240 V; 50 / 60 Hz

### Output

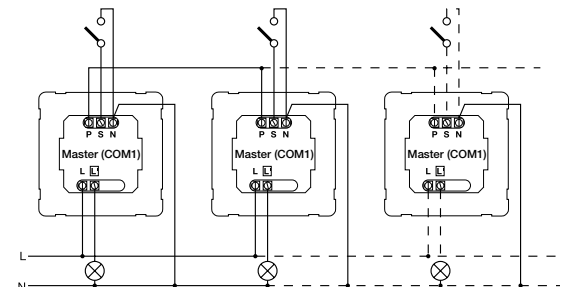
Incandescent / halogen lamp load	2000 W
Fluorescent-lamp electronic ballasts	1000 W
Fluorescent lamps, uncorrected	1000 VA
Fluorescent lamps, series-corrected	400 VA
Fluorescent lamps, parallel-corrected	500 VA
Low-voltage halogen lamps	2000 VA
LED < 2 W	100 W
2 W < LED < 8 W	300 W
LED > 8 W	600 W
Capacitive load	176 µF

**Time setting** 30 s - 30 min, pulse mode (approx. 2 sec), time setting, IQ mode (automatic adjustment to the usage profile)

## Master



## Master/master COM1



## Master / slave COM1

