## Data sheet



Presence Switch

**IR 180** 

KNX - white EAN 4007841032975



### **Function description**

The new benchmark. High-precision IR 180 infrared presence sensor with a reach of 20 m. Ideal for new builds. 180° angle of coverage. Fast and easy 3-wire installation. Attractive design. Integrated button for manual override. The KNX version also provides temperature and air humidity readings.

### **Technical specifications**

Power supply, detailKNX busSensor Technologypassive infraredApplication, placeIndoorsApplication, place, roomOne-person office, corridor, aisle, side room, stairwell, washroom, wc, equipment roomInstallation sitewallType of installationConcealed wiringElectronic scalabilityYesMechanical scalabilityNoMounting height1,10-1,20 mOptimum mounting height1,2 mDetection angle180 °Angle of aperture90 °Sneak-by guardYes	Туре	Presence detector
Sensor Technologypassive infraredApplication, placeIndoorsApplication, place, roomOne-person office, corridor, aisle, side room, stairwell, washroom, wc, equipment roomInstallation sitewallType of installationConcealed wiringElectronic scalabilityYesMechanical scalabilityNoMounting height1,10 – 1,20 mOptimum mounting height1,2 mDetection angle180 °Angle of aperture90 °Sneak-by guardYes	Dimensions (L x W x H)	80 x 80 x 21 mm
Application, place Indoors  Application, place, room One-person office, corridor, aisle, side room, stairwell, washroom, wc, equipment room  Installation site wall  Type of installation Concealed wiring  Electronic scalability Yes  Mechanical scalability No  Mounting height 1,10 – 1,20 m  Optimum mounting height 1,2 m  Detection angle 180 °  Angle of aperture 90 °  Sneak-by guard Yes	Power supply, detail	KNX bus
Application, place, room Installation site  Wall  Type of installation Electronic scalability Mechanical scalability No  Mounting height Optimum mounting height Angle of aperture Sneak-by guard  One-person office, corridor, aisle, side room, stairwell, washroom, wc, equipment room wall  Angle of aperture One-person office, corridor, aisle, side room, stairwell, washroom, wc, equipment room wall  Angle of installation Concealed wiring  Concealed wiring  No  No  No  1,0 – 1,20 m  1,2 m  180 °  180 °  Sneak-by guard  Yes	Sensor Technology	passive infrared
Installation sitewallType of installationConcealed wiringElectronic scalabilityYesMechanical scalabilityNoMounting height1,10 – 1,20 mOptimum mounting height1,2 mDetection angle180 °Angle of aperture90 °Sneak-by guardYes	Application, place	Indoors
Type of installation  Electronic scalability  Mechanical scalability  Mounting height  Optimum mounting height  1,2 m  Detection angle  Angle of aperture  90 °  Sneak-by guard  Concealed wiring  Yes  Concealed wiring  No  Angle of installation  Concealed wiring  Yes	Application, place, room	One-person office, corridor, aisle, side room, stairwell, washroom, wc, equipment room
Electronic scalabilityYesMechanical scalabilityNoMounting height1,10 – 1,20 mOptimum mounting height1,2 mDetection angle180 °Angle of aperture90 °Sneak-by guardYes	Installation site	wall
Mechanical scalabilityNoMounting height1,10 – 1,20 mOptimum mounting height1,2 mDetection angle180 °Angle of aperture90 °Sneak-by guardYes	Type of installation	Concealed wiring
Mounting height 1,10 – 1,20 m  Optimum mounting height 1,2 m  Detection angle 180 °  Angle of aperture 90 °  Sneak-by guard Yes	Electronic scalability	Yes
Optimum mounting height1,2 mDetection angle180 °Angle of aperture90 °Sneak-by guardYes	Mechanical scalability	No
Detection angle 180 ° Angle of aperture 90 ° Sneak-by guard Yes	Mounting height	1,10 – 1,20 m
Angle of aperture 90 ° Sneak-by guard Yes	Optimum mounting height	1,2 m
Sneak-by guard Yes	Detection angle	180°
	Angle of aperture	90 °
Reach, radial $r = 4 \text{ m } (25 \text{ m}^2)$	Sneak-by guard	Yes
	Reach, radial	$r = 4 \text{ m } (25 \text{ m}^2)$
Reach, tangential $r = 20 \text{ m} (628 \text{ m}^2)$	Reach, tangential	r = 20 m (628 m²)
Reach, presence $r = 4 \text{ m } (25 \text{ m}^2)$	Reach, presence	r = 4 m (25 m²)

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### Presence Switch

**IR 180** 

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### **Technical specifications**

Twilight setting TEACH	Yes
Twilight setting	2 – 1000 lx
Time setting	60 s – 255 Min.
Basic light level function in per cent	10 – 50 %
Basic light level function time	Permanently ON, 1-255 min, all night
Basic light level function percentage, from	10 %
Basic light level function percentage, up to	50 %
KNX functions	Light output 4x, Presence output, Light level, Constant-lighting control, Basic light level function, HVAC output, Integrated button, Temperature output, Humidity output
With bus coupling	No
IP rating	IP20
Material	Plastic
Colour	white
Colour, RAL	9010
Manufacturer's Warranty	5 years
Version	KNX - white
PU1, EAN	4007841032975

### Mood image

