

Technical Datasheet

Sense MultiController

Art.no.: 52001 / 52011 / 52021



Sense MultiController

- Suitable for ceiling / wall mounting
- Presence and brightness sensor
- Temperature and humidity sensor
- Two binary inputs
- RJ45 terminal for easy and quick connection to KNX MultiController

Sense features options for movement, lux, temperature and humidity sensing. The sensors are fitted with one RJ45 terminal and connect to the KNX MultiController 5410x with a standard patch cable (max. 10 m). All sensors include IR remote receiver. 2Sense and 4Sense also include two potential free terminals from the binary inputs in the controller. These can be used for light switches, hotel cards, etc. The KNX MultiController 5410x can easily be set to programming mode via the sensor using the Telescopic magnet tool art.no 52900. Suitable for standard wall box FM (frame 55 x 55 mm included in box).

PIR sensitivity can be adjusted from 20 to 100 in ETS, where 20 is the highest sensitivity. Default parameter value is 30 and should not be set lower without testing for false detection.

For temperature sensing, sensor 52011 or 52021 can be used.

Product versions:

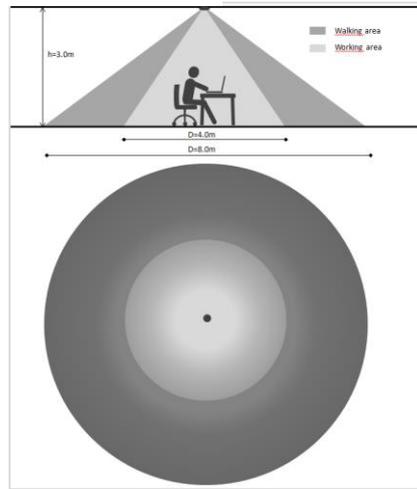
52001	2Sense MC, movement / lux
52011	4Sense MC, movement / lux / temp / humidity
52021	5Sense MC, movement / lux / temp / humidity / PT1000

Accessories

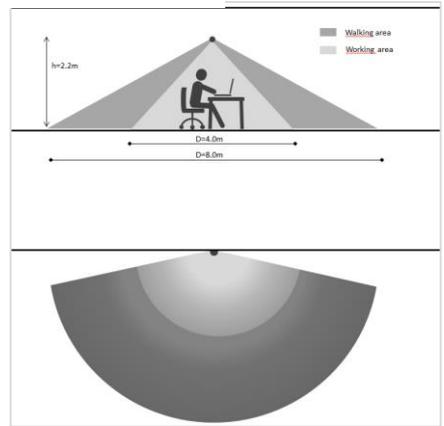
52800	IR Remote control wall holder
52801	IR Remote control, temperature / ECO / lights / blinds
52802	IR Remote control, lights / blinds
52803	IR Remote control, lights / lights

Detection area

Ceiling



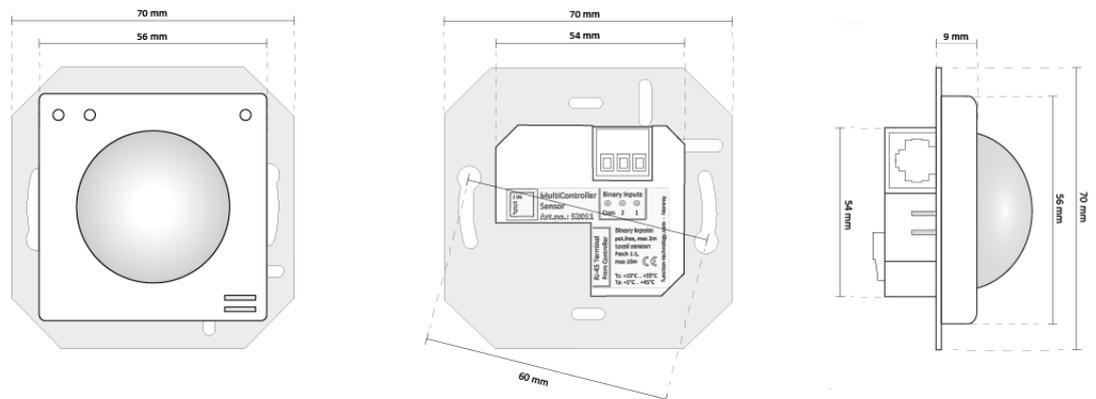
Wall



Terminals and LEDs



Dimensions



Technical data

		Sense MC	
		5200x	5201x / 5202x
Power	<ul style="list-style-type: none"> • Operating voltage, Local bus • SELV 16V DC (safety extra low voltage) 	Via RJ45 from the KNX MultiController	
Inputs Connections	• Number of inputs	2	
	• Polling voltage Un	16V	
	• Sensing current In	1mA	
	• Permitted cable lengths	10 m (total length)	
	• Terminal inputs	Via connection terminal with screws	
	• Wiring	0.15-1.0 mm ²	
	• Connection of local bus	RJ45 terminal	
	• Permitted cable lengths	10 m (total length)	
Movement detector	• Detection area at floor (diameter)	8 m	
	• Installation height ceiling	3 m	
Temperature sensing	• accuracy at 25°C / precision	-	0.5°C / 0.1°C
Humidity	• accuracy at 25°C / precision	-	4%RH / 0.1%RH
Temperature range	• Operation	15 °C ... +35 °C	
	• Storage	-25 °C ... +65 °C	
	• Transport	-25 °C ... +65 °C	
Operating and display elements	LED	Green for comfort mode Red/blue for cooling/heating Red in lens for KNX learning mode and walk-in test	
	Reed/switch	KNX learning key	
Housing	• PC + ABS (antimony-, chlorine- and bromine-free flame retardant)		
Design	• Dimensions Sensor (H x W x D)	80.0 x 80.0 x 35.0 mm	
	• Dimensions detector front	55 x 55 mm for standard wallbox	
Approvals CE mark	• EIB / KNX EN 50 090-2-2		
	• In accordance with the EMC guideline and low voltage guideline		



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Distributor:

