Multisensor - Professional Line

Multisensor EO

IP - concealed white
EAN 4007841 091163
Article number 091163

Function description

Transforming rooms into smart rooms. The EO multisensor is setting entirely new standards on the path to the smart room. In addition to detecting presence, the number of people, brightness, temperature and humidity, it also measures the concentration of volatile organic compounds (VOCs), CO_2 levels, air pressure and noise levels within a room. By combining this information, values such as the risk of infection, air quality, comfort levels and the dew point can be calculated. When this data is fed into an HVAC control system, the indoor and building climate can be optimally adjusted to meet specific requirements.

Technical specifications

Dimensions (L x W x H)	123 x 123 x 52 mm
With motion detector	Yes
Manufacturer's Warranty	5 years
Settings via	Bluetooth Mesh
With remote control	No
Version	IP - concealed white
PU1, EAN	4007841091163
Application, place	Indoors
Colour	white
Includes corner wall mount	No
Installation site	ceiling
Installation	Concealed wiring
IP-rating	IP20
Power supply, detail	Passive PoE SELV, standard PoE (IEEE 802.3 af)

Mounting height	2,5 – 3,5 m
Mounting height max.	3,50 m
Optimum mounting height	2,8 m
Detection angle	360 °
Capability of masking out individual segments	Yes
Electronic scalability	Yes
Mechanical scalability	No
Twilight setting TEACH	No
Interconnection	Yes
Interconnection via	Bluetooth Mesh
Product category	Multisensor
Erfassungsfläche bei Montagehöhe	2.5 m: 6.6 x 4.2 m (28 m^2), 3.0 m: 5.0 x 8.0 m (40 m^2), 3.5 m: 5.9 x 9.3 m (55 m^2)
Anzahl von Erfassungszonen	10
CO2_measurement_range_from	300 ppm

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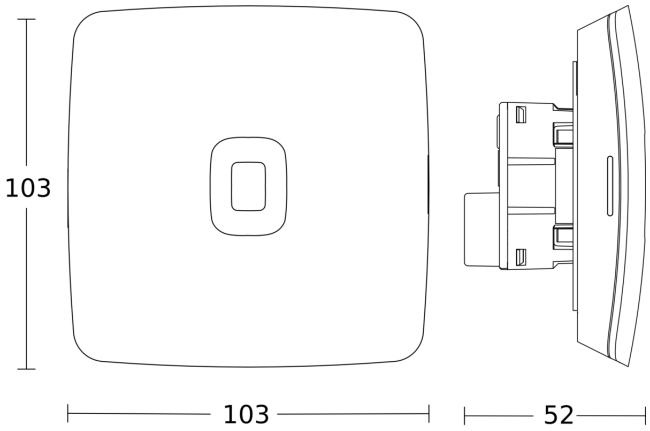
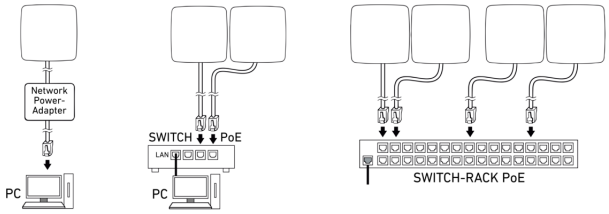
Technical specifications

Technology, sensors	CO2, Air pressure, Air humidity, Temperature, VOC
Measuring range VOC - Sensor min.	0 ppb
Messbereich VOC - Sensor max.	1000 ppb
CO2_measurement_range_up_to	5000 ppm
CO2 accuracy	± (50 ppm + 3% of value measured)

Dimension Drawing



Circuit diagram