

Plug-and-play connection of components

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Zone modules



### X-SENS-SPLITTER

Quadruple distributor X-SENS-SPLITTER

## X-SENS

### SENSORS FOR X-AIRCONTROL ZONE MODULES

Components for measuring and recording various measured variables and conditions in systems for single room control and centralised control – such as X-AIRCONTROL

- Combined temperature and humidity sensor
- Dew point monitor
- Air quality sensor
- Presence detector (PIR sensor)
- Splitter

## Allgemeine Informationen



### Application

- Sensors for the X-AIRCONTROL control system
- For connection to the zone modules X-AIR-ZMO-... (ANA, MP, MOD) and master modules X-AIR-ZMAS
- Duct temperature sensor for supply air and extract air - combination sensor temperature and humidity as duct sensor for extract air
- Air quality sensor as a duct sensor for measuring of volatile organic compounds (VOC) in the extract air

- Air quality sensor as duct sensor for measuring metallic oxides (CO<sub>2</sub>) in the extract air
- Air quality sensor for measuring the CO<sub>2</sub>-content in the room air, and for measuring humidity as a room sensor
- Dew point monitor for monitoring condensation on chilled ceilings, etc.
- Presence detector for detecting the presence of people in the room
- Quadruple distributor for sensors and operating units with Modbus (splitter)

#### Variants

- TEMP-RH-EXH: Combined temperature and humidity sensor for extract air
- TEMP-PT1000: Duct temperature sensor (PT1000)
- VOC-EXH: Air quality sensor (VOC)
- CO<sub>2</sub>-EXH: Air quality sensor (CO<sub>2</sub>)
- CO<sub>2</sub>-RH: Combination sensor CO<sub>2</sub> and humidity sensor
- DEWPT: Dew point monitor
- PIR-SM: Presence detector (PIR sensor), detection range 180°
- PIR-FM: Presence detector (PIR sensor), 360° field of detection
- SPLITTER: Quadruple distributor for sensors and operating units with Modbus

#### Maintenance

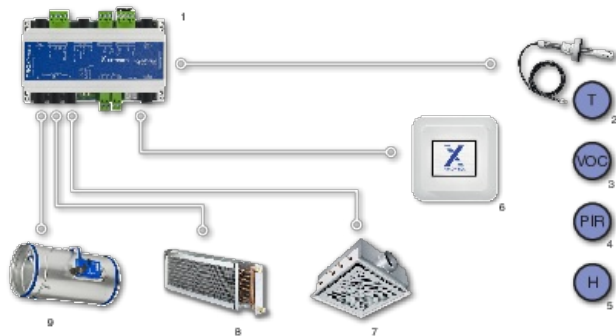
- Maintenance-free, as construction and materials are not subject to wear and tear
- Checking and cleaning, in particular if the device is used in a room or in an extract air duct
- Regular cleaning (dust removal) is recommended

## TECHNISCHE INFORMATIE

X-SENS sensors include various components for comfort-oriented room control, e.g. temperature detection, humidity measurement, air quality analysis (VOC/CO<sub>2</sub>) and presence detection.

Depending on the application, different sensors can be connected to an X-AIRCONTROL zone module. The X-SENS sensors are mostly recognised automatically by the zone module. The measured values are included in the regulation of the room.

### X-AIRCONTROL zone



- 1 Zone module
- 2 Temperature sensor
- 3 Air quality sensor
- 4 Presence detector (PIR sensor)
- 5 Humidity sensor
- 6 Control panel
- 7 Cooling, e.g. active chilled beam
- 8 Heating, e.g. heating coil
- 9 Volume flow control

**X-SENS**  
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**VOC-EXH**  
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1 Type  
X-SENS Sensor

- 2 Variant
- TEMP-RH-EXH Combined temperature and humidity sensor for extract air ducts
  - TEMP-PT1000 Duct sensor temperature PT1000
  - VOC-EXH Air quality sensor VOC for extract air duct
  - CO<sub>2</sub>-EXH Air quality sensor CO<sub>2</sub> for extract air duct
  - CO<sub>2</sub>-RH Combined CO<sub>2</sub> and humidity sensor
  - DEWPT Dew point monitor
  - PIR-SM Presence detector (PIR), detection range 180°
  - PIR-FM Presence detector (PIR), detection range 360°
  - SPLITTER Quadruple distributor for sensors and operating units with Modbus