Innovative, energy-efficient sensors for flush mounting

Energy-saving Symaro™ sensors for flush mounting – suited for use with the range of DELTA switches

New members in the Symaro family: Innovative sensors for flush mounting extend the range of reliable Symaro sensors. The products are extremely slim and of compact design. They offer extended functionality and are marketed in the design of the DELTA switches.

Comprehensive range of sensors for flush mounting

Symaro offers a new range of sensors specifically developed for flush mounting. In addition to the choice of temperature, humidity, and air quality sensors, the Symaro range for flush mounting now includes multisensors for the simultaneous acquisition of several measuring variables. What's more, thanks to their wide choice of configurations, the sensors can be matched to specific application needs.

The Symaro sensors for flush mounting are available for the following measuring variables:

– Temperature (active and passive output signals)
– Humidity (humidity only, humidity/temperature)
– Air quality (CO_2 only, CO_2/VOC*, CO_2/temperature, VOC/temperature)

All types of active sensors can be matched to the respective electrical installation and to different types of controls. The output signal ranges can be configured depending on the requirements (DC 0...5 V, DC 0...10 V, 0...20 mA, or 4...20 mA). In addition, a freely selectable switching contact is available for each measuring variable. Symaro sensors for flush mounting have been developed for worldwide use in connection with all types of commercially available recessed conduit boxes and meet all installation requirements: In combination with the versatile frames of the DELTA switches, they blend perfectly into any room surroundings. Hence, Symaro sensors offer a high level of flexibility when it comes to integration into existing or new systems and applications.

* VOC: volatile organic compound (mixed gas)

Symaro sensors in switch design for flush mounting blend perfectly into any surroundings.

All in harmony – thanks to uniform room design

The Symaro sensors for flush mounting are designed for interior use and excel in compact, inconspicuous design. In combination with the elegant frames of the DELTA switches, they blend perfectly into any surroundings.

Enjoying a perfect feeling of comfort while saving energy

Energy consumption of the Symaro sensors for flush mounting is extremely low. Their high measuring accuracy and fast response are prerequisites for energy-efficient HVAC control.

Only accurate and expressive measured values ensure energy-efficient room control plus maximum comfort. The sensors' optimized design enables them to acquire the measuring variables quickly and accurately. At the same time, disturbances like the temperature of the wall are compensated for. Hence, Symaro sensors are the ideal basis for saving energy and costs.

Accurate measured values are needed for energy-efficient ventilation, for example, ensuring that the amount of outside air supplied to the room does not exceed the amount actually required. So air quality sensors are very important components of demand-controlled ventilation. They acquire the exact CO_2 content of the room air or the level of mixed gases produced by paints or given off by materials. The fan's output is controlled depending on these measured values.

Symaro sensors for flush mounting excel not only in elegant design, but also in economical operation – thanks to reduced energy consumption, lower CO_2 emissions, and lower costs.

Highlights

- Sensors of elegant design for flush mounting, suited for any type of application in the room
- Energy savings thanks to fast, highly precise measurement and low energy consumption of the sensor
- Adaptation to individual application owing to configurable outputs
- Multisensor with several measuring parameters in one unit, ensuring lower installation and wiring costs
- Extensive choice of colors and designs of DELTA switches

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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