



RSMF

CO₂ temp rH combined room sensor

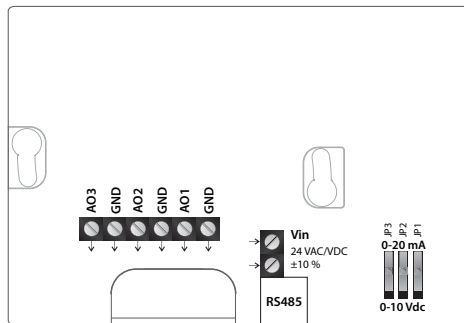
There are many facilities and locations today that rely on temperature, relative humidity, CO₂ sensors and combinations to provide a stable, secure environment, such as hospitals, meeting rooms, clean rooms, houses and data centers. Because of the more demanding environments and an advancing technology we provide new and improved sensors and transmitters with high performance for real world applications.

The RSMF multifunctional room sensor provides precision sensing compatible with all leading control systems. They are designed to provide fast response to changes in thermal comfort conditions. The implemented CO₂ sensor uses a self-calibrating method.

FEATURES

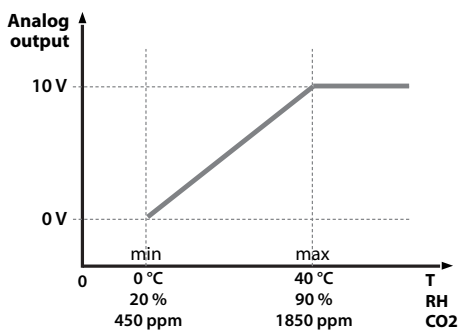
- Supply voltage: 24 VAC/VDC ±10 %
- Low profile housing with covered screws
- Terminal blocks with 0.75 mm² connectors
- Analog outputs: 3 x 0-10 VDC/0-20 mA for CO₂, temperature and relative humidity
- Blue LED operating indication
- Self-calibrating CO₂ sensor
- Protection class: IP30
- RS485/Modbus RTU communication
- Temperature sensor with range: 0-40 °C
- Humidity sensor with range: 20-90 %
- CO₂ sensor with range: 450-1850 ppm

WIRING DIAGRAM

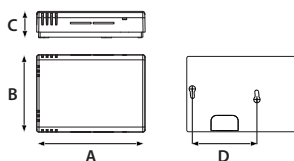


Vin	supply 24 VAC/VDC ±10 %
AO1	analog output for temperature: 0-10 VDC/0-20 mA
AO2	analog output for rel. humidity: 0-10 VDC/0-20 mA
AO3	analog output for CO ₂ : 0-10 VDC/0-20 mA
GND	ground
A, B	RS485/Modbus RTU

OPERATION



DIMENSIONS & FIXING



	Dimensions				Packing units	
	A	B	C	D	1	24 (box)
RSMFG	104.5 mm	74.5 mm	24 mm	60 mm	87 g	2,08 kg