

MRSC-SUPER – Temperature-Humidity-CO₂ decorative sensor with MODBUS communication

Description

Temperature-Humidity-CO₂ sensor - "All in one" for Wall Mount installation
 With MODBUS Communication, equipped with ALARM output (dry contact) for limit
 Deviation indication and 3 separate outputs 4-20mA or 0-10 VDC (selectable by DIP switches).
 A simple and easily installed sensor for various HVAC applications
 Supply Voltage of 24VAC / VDC

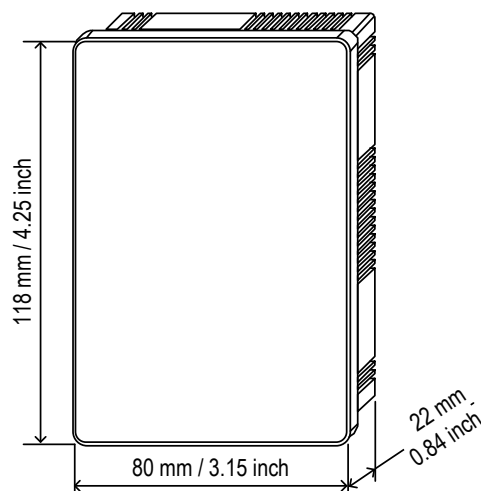
Features & Benefits

- Built-in Temperature Sensor - a choice of three temperature ranges:
 - 0 ÷ 50°C (32 ÷ 122°F)
 - -35 ÷ +35°C (-31 ÷ +95°F)
 - 0 ÷ 30°C (32 ÷ 86°F)
- Built-in humidity sensor - Humidity range is measured 5 ÷ 95 %RH
- Built-in self-calibrated CO₂ sensor – a choice between two ppm ranges:
 - 0 ÷ 1200 ppm
 - 0 ÷ 2000 ppm
- MODBUS communication interface over RS485 wiring
- Operating optional setting for both Low Limit and High Limit Alarm alert for each of the sensors separately;
 Humidity, CO₂ and Ambient temperature.
- Internal light indications for communication indication and exception alert



Technical specifications

Supply voltage	24VAC ± 15% or 24VDC ± 15%
Work Stream	0.5A
Color	White
Plastic	ABS
Combustion standard	UL94V-0
Temperature sensor type	NTC, 50KΩ@25°C
Accuracy in temperature measurement	±1°C ; ±2°F
Precision in Humidity measurement	±3%
Installation	Wall Mounted



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Wiring diagram

