

## MRSC-SUPER - Temperature-Humidity-CO<sub>2</sub> decorative sensor w/MODBUS communication

### Description

Temperature-Humidity-CO<sub>2</sub> decorative sensor for Wall Mount installation  
 MODBUS Communication, with ALARM port (dry contact)  
 Supply Voltage 24VAC / DC

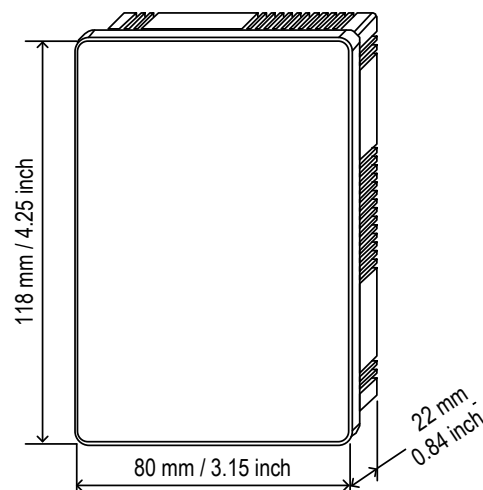
### Features & Benefits

- Built-in Temperature Sensor - a choice of three temperature ranges:  
 $0 \div 50^{\circ}\text{C}$  ( $32 \div 122^{\circ}\text{F}$ )  
 $-35 \div +35^{\circ}\text{C}$  ( $-31 \div +95^{\circ}\text{F}$ )  
 $0 \div 30^{\circ}\text{C}$  ( $32 \div 86^{\circ}\text{F}$ )
- Built-in humidity sensor - Humidity range is measured  $5 \div 95\% \text{RH}$
- Built-in CO<sub>2</sub> sensor - option to choose between two ppm ranges:  
 $0 \div 1200 \text{ ppm}$  \  $0 \div 2000 \text{ ppm}$
- MODBUS communication
- Setting an operating window (High limit - Low limit) for each sensor separately
- A dry contact relay port that exits the work window of one of the sensors
- Internal light indications for communication indication and exception alert



### Technical specifications

|                                     |                                                   |
|-------------------------------------|---------------------------------------------------|
| Supply voltage                      | 24VAC $\pm$ 15%<br>or 24VDC $\pm$ 15%             |
| Work Stream                         | 0.5A                                              |
| Color                               | White                                             |
| Plastic                             | ABS                                               |
| Combustion standard                 | UL94V-0                                           |
| Temperature sensor type             | NTC, 50K $\Omega$ @25°C                           |
| Accuracy in temperature measurement | $\pm 1^{\circ}\text{C}$ ; $\pm 2^{\circ}\text{F}$ |
| Precision in moisture measurement   | $\pm 3\%$                                         |



### Wiring diagram

