Remote Temperature Display (°F / °C)

SCE-RMTD

Specifications:
- Voltage/Frequency: 115 to 230 V~ 50/60 Hz
- MAX operating current: 0.05 A
- MAX alarm relay load: 8 A resistive / 4 A inductive
- MAX alarm relay lifetime: 100,000 cycles
- Operating Temperature Range: 14 to 140 °F / -10 to 60 °C
- Sensor Measurement Range: -58 to 194 °F / -50 to 90 °C (±3K)
- Max. Operating Humidity: 90% r.H. (non-condensing)
- LED Colour: Blue
- Mounting panel thickness range: 0 to 0.6” / 0 to 15 mm
- Approvals: UL, CE

Unit dimensions:

Mechanical Installation:
1. Make a cut-out with the following dimensions in the panel where the unit will be mounted:
2. Insert the unit in the panel from the front of the cut-out.
3. Slide the 2 yellow mounting clips on each side of the unit (from the rear of the unit).
4. Push the clips forward until a reasonably firm fit is achieved.
5. Clip the plastic frame to the front of the unit (if required) and remove the protective film.

Electrical Installation:
1. Connect the temperature sensor. (5 pole connector)
2. If required, connect the Alarm dry contact output. (6 pole connector)
   - Pin 14 (COMMON) should be connected to a power source.
   - Pin 15 is NC when the unit is not powered and NO when the unit is powered.
   - It should be connected to the alarm indicating equipment.
3. Connect the power supply cable.
   - White – Live.
   - Black – Neutral. (2 pole connector)

Normal operation:
The display shows the measured temperature in the range –58 to 302 °F / -50 to 150 °C.

Alarm condition:
Default alarm temperature setpoints are as follows:
- Low Temperature alarm setpoint: 32 °F / 0 °C
- High Temperature alarm setpoint: 131 °F / 55 °C

The Alarm symbol flashes and the Alarm contacts switch to the alarm state (pin 14 & 15 shorted) under the following conditions:
- No power.
- Temperature sensor not detected (E01 shows up on the display).
- Temperature below 32 °F / 0 °C or above 131 °F / 55 °C.

Changing Settings:
Choosing between °F & °C (default is °F)
Press “PRG” until C18 is displayed.
Press “SET” to display the current value (°C = 0 / °F = 1).
Use ▲ or ▼ to reach the desired value.
Press “PRG” for 5s to save the new value.

Changing the temperature alarm setpoints
Press “PRG” until C18 is displayed.
Press ▲ or ▼ until P25 (low temp alarm) or P26 (high temp alarm) is displayed.
Press “SET” to display the current value.
Use ▲ or ▼ to reach the desired value.
Press “PRG” for 5s to save the new value.

When pressing “PRG” for 3s, the firmware revision code is displayed for 2 seconds.
If no button is pressed for 10s while programming, the display starts flashing and after 60s returns to the main display without saving changes.

Delivery Items:
- TD-100 Temperature and Alarm Display Unit.
- Power Supply cable (1.5 m / 59”) with connector for connection to unit and loose ends.
- Temperature Sensor cable (1.5 m / 59”) with connector for connection to unit.
- 6 pole connector for connection of alarm contacts (if required).
- Mounting Clips (x2).
- Plastic Frame.

59610100133_Rev.B_10.01.2019