

# TF115 SUNNE THERMOSTAT SPECIFICATION SHEET



CONTROLS & THERMOSTATS

## CARBON MONOXIDE DETECTOR



### CTS-M5160 CARBON MONOXIDE DETECTOR

CTS-M5160 is a microprocessor based transmitter that detects carbon monoxide and activates relays when the set concentration is met. The CTS-M5160 can be set for rising or falling carbon monoxide levels.

- Attaches to a standard 2" x 4" electrical box
- Programmable delay (0 - 60 minutes in 5 minute increments)
- Input Power: 24V
- Sensor Type: Electromechanical
- Sensor Life: 2 - 3 years
- Relay: Two, SPDT, 1 amp dry contact

### PRINCIPLES OF OPERATION

Electrochemical gas sensors are micro-fuel cells designed to be maintenance free and stable for long periods. Gas continuously enters the self-contained cell through a flow limiting diffusion barrier. The target gas reacts within the electrolyte creating a microamp current flow between the electrodes.

No fluid replenishment is required as these cells are not self-consuming. The cell electrodes degrade with time resulting in a typical working life of 2 to 3 years.

The CTS-M5 transmitter is powered by a nominal 24 V external power supply in a two-wire connection. It transmits a 4-20 mA, 2-10 V, or an RS-485 signal over the calibrated range of the sensor selected. The transmitter is factory configured and calibrated for the sensor selected when ordered as a complete assembly. This universal transmitter accepts any of the listed sensors into a plug-in socket on the board. Calibration is achieved through a simple zero and span adjustment using the appropriate calibration gas concentration for the sensor installed.

## THERMOSTATS



KP16110  
(Portable Model  
with plug)

KJ161100

### K-KONTROL THERMOSTATS

Great for use on XF and UF10-G fans!

- Single KJ16110, portable single KP16110 and two KT16110 stage models.
- Reliable Johnson thermostats, low cost.
- Moisture proof box.
- Convenient flip open cover, stainless steel coil and portable hanger.
- Use anywhere portable model - simply plug control into outlet and then the device into the control.
- Two stage model for two stages of heating and/or cooling or two speed fans.
- Single and two stage models: 16 Amp rating at 120V; 8 Amp rating at 240V.
- Portable model: 16 Amp rating at 120V.
- Ideal for 120V fans & heaters.

### TF115 - SUNNE THERMOSTATS

- Single stage thermostat for heating or cooling.
- NEMA 4 enclosure, stainless steel coil, multi-position mounting.
- Large, easy to read, 40° - 100° F dial
- 16 Amp rating at 120V; 12 Amp rating at 240V.

### RANCO THERMOSTATS

- Single T1NEMA4D1 and two stage T2NEMA4D1 models.
- NEMA 4 enclosure, easy to read LCD display, lockout switch.
- Programmable differential (1 to 30° F).
- Wide operating range (-30° to 220° F), user selectable F/C°.
- 8' temperature probe included (extendable to 400').
- Two stage model for two stages of heating and/or cooling or two speed fans.
- 10 Amp rating at 120V; 5 Amp rating at 240V.