Temperature Sensor with Mounting Clip
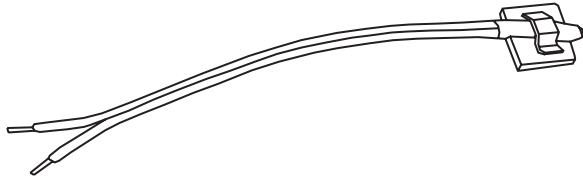
Installation Instructions

INTRODUCTION
The temperature sensor incorporates a precision temperature sensor used to monitor temperatures in a variety of applications. It comes with a self-adhesive mounting clip which can be secured to almost any surface.

BEFORE INSTALLATION
Read these instructions carefully before installing and commissioning the device. Failure to follow these instructions may result in product damage. Do not use in an explosive or hazardous environment, with combustible for flammable gases, as a safety or emergency stop device or in any other application where failure of the product could result in personal injury. Take electrostatic discharge precautions during installation. **Do not exceed the device ratings.**

MOUNTING
The temperature sensor can be mounted directly to any surface using the self-adhesive mounting clip supplied.

To attach the sensor to the selected surface, turn the clip over and remove the backing from the clip to expose the adhesive back. Stick the clip onto the chosen smooth surface. See Figure 1.

WIRING
- Deactivate the power supply until all connections are made to the device being monitored to prevent electrical shock or equipment damage. Follow proper electrostatic discharge (ESD) handling procedures when installing the device or equipment damage may occur.
- Use 22 AWG shielded wiring for all connections and do not locate the device wires in the same conduit with wiring used to supply inductive loads such as motors. Connect the cable shield ground at the controller only. Make all connections in accordance with national and local codes.
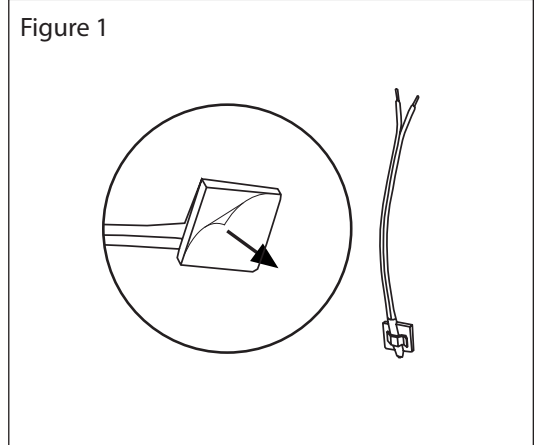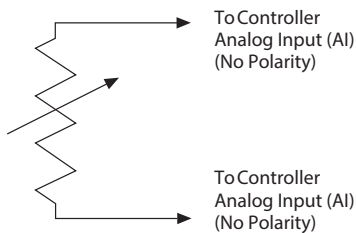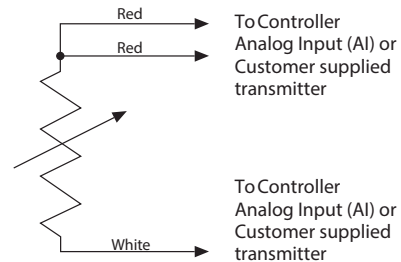

Figure 1

Figure 2

2 Wire Termination for Thermistor or RTD

To Controller Analog Input (AI) (No Polarity)

To Controller Analog Input (AI) (No Polarity)

3 Wire Termination for Thermistor or RTD

Red

Red

To Controller Analog Input (AI) or Customer supplied transmitter

White

To Controller Analog Input (AI) or Customer supplied transmitter

SPECIFICATIONS
Sensor Type ....Thermistor or RTD
Temperature Range ....-20 to 105°C (-4 to 221°F)
Wire Material ....PVC insulated, parallel bonded (Type 2: 100Ω Platinum is FT-4)
Wire Length ....152.4mm (6")
Termination ....Pigtail, 2 or 3 wire
Country of Origin........................Canada

15.88mm
0.63"

152.4mm
6"