

READ THESE INSTRUCTIONS BEFORE YOU BEGIN INSTALLATION

All ACI thermistors and RTD temperature sensors are both non-polarity and non-position sensitive. All thermistor and RTD type sensors are included with (2) 22 AWG stranded etched Teflon wires for making all of the proper connections. The universal mounting kit includes (1) 3/8-16" Hex Jam Nut, (1) 1" Delrin Spacer/Insulator, and (1) 2" Delrin Spacer/Insulator.

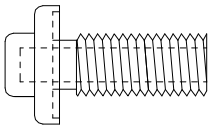
■ TROUBLESHOOTING

Sensor reads 0 ohms or very low
 Sensor reads infinity or very high
 Erratic readings

Sensor or wires are shorted together
 Sensor or wires have been damage and are open
 Bad wire connections - Condensation or Moisture problem

■ PART DESCRIPTIONS

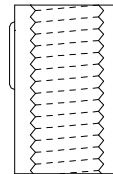
Brass/Stainless Steel Button



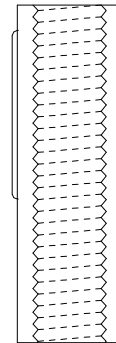
3/8"-16 Hex Jam Nut



1" x .620 O.D. Spacer



2" x .620 O.D. Spacer



■ MOUNTING INSTRUCTIONS

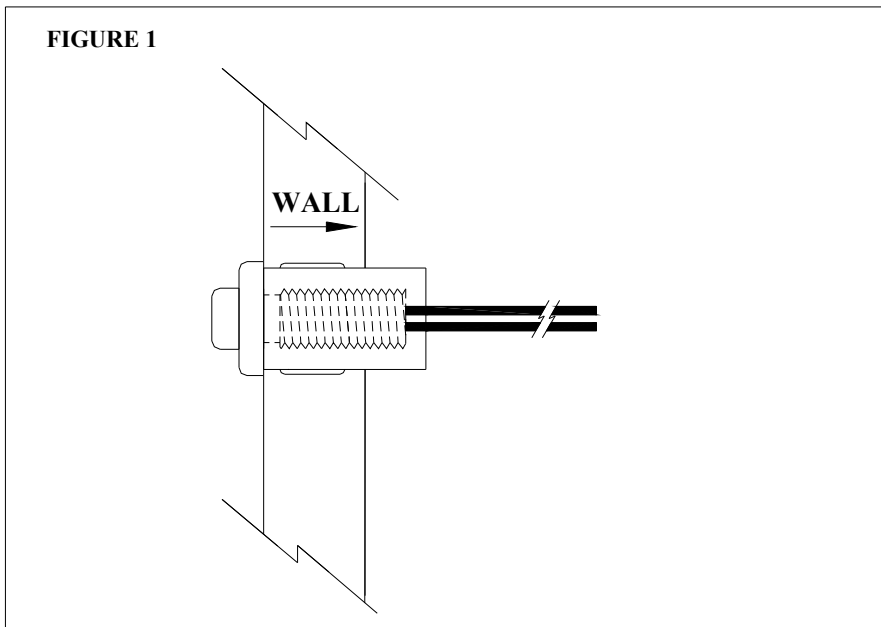
This unit is suitable for mounting in many different locations such as in a cabinet, control panel, walls, or in a standard mounting plate. The spacers are to be used to insulate the brass or stainless steel threaded portion of the sensor from any drafts or temperature changes in the wall as well as to mount the sensor into the wall.

Board or Panel Mounting using the 3/8" Hex Nut or 1" or 2" Delrin Spacer

1. First drill a 3/8" hole in the board or panel and insert the button sensor (2) wires through the hole and thread the hex nut or 1" or 2" spacer onto the button sensor until tight. If the plate or panel is relatively thin, similar to a one gang junction box cover be sure to use the 1" or 2" Delrin spacer depending on the thickness of the box or enclosure. The Delrin spacer will insulate the sensor from any drafts inside the wall. A small piece of foam or insulation may be inserted in the bottom of the Delrin spacer to better insulate the sensor if necessary.

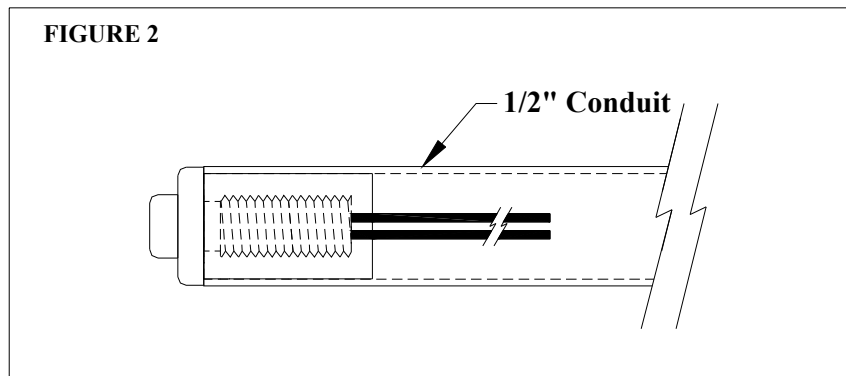
Drywall Mounting using the 1" or 2" Delrin Spacer

1. First drill a 5/8" hole in the drywall. Next insert the button sensor (2) wires through the top of 1" or 2" Delrin spacer. Now thread the 1" or 2" Delrin spacer onto the back of the button sensor. Now make all of the wire connections using either crimp on connectors or wire nuts. A small piece of foam or insulation may be inserted into the bottom of the 1" or 2" Delrin spacer to better insulate the sensor if necessary. Next insert the button sensor assembly into the wall until it is flush to the wall as shown in **Figure 1** below. You may need to gently tap the button sensor assembly with a hammer for it to go into the drywall.



1/2" Conduit Mounting using the 1" or 2" Delrin Spacer

1. First insert the button sensor (2) wires through the top of 1" or 2" Delrin spacer. Now thread the 1" or 2" Delrin spacer onto the back of the button sensor. Now make all of the wire connections using either crimp on connectors or wire nuts. A small piece of foam or insulation may be inserted into the bottom of the 1" or 2" Delrin spacer to better insulate the sensor if necessary. Next insert the button sensor assembly into the 1/2" conduit until it is flush to the end of the conduit as shown in **Figure 2** below. You may need to tap the button sensor assembly using a 3/8" socket and hammer for it to go into the conduit.



If you have any further questions or comments regarding the Button sensor, please call ACI for technical assistance.

■ WEEE Directive

At the end of their useful life the packaging and product should be disposed of via a suitable recycle centre. Do not dispose of with household waste. Do not burn.

