Room Temperature Sensor (Flat Plate)

Installation Guide

Mounting and Wiring

The STE-1430 is a blank, brushed stainless-steel wall plate that incorporates a precision sensor used to monitor room temperatures where additional security is required (e.g., against vandalism).

It is designed to be mounted directly to a single-gang electrical box. Insulating foam is adhered to the back of the wall plate to provide a thermal barrier from internal wall temperatures. The STE-1430 should be installed where it can sense the average room temperature and be unaffected by direct sunlight and drafts.
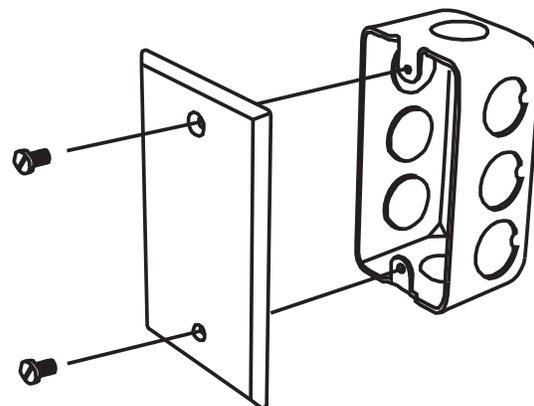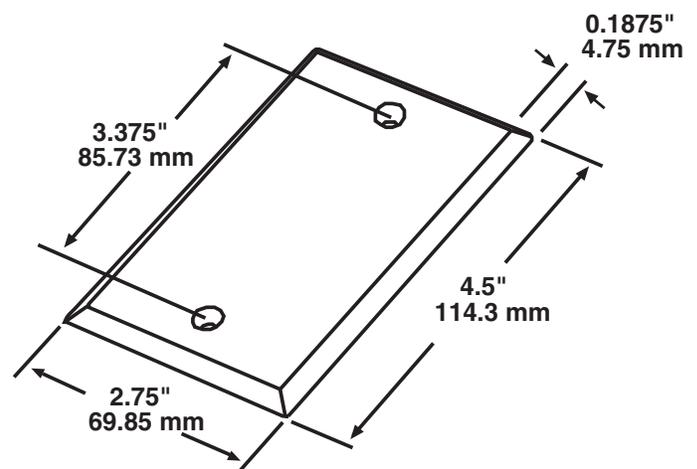
1. Feed the cable wires through the conduit or hole opening.

NOTE: Use 18 to 24 AWG shielded wiring for all connections. Do not locate the device wires in the same conduit with wiring used to supply inductive loads such as motors. Make all connections in accordance with national and local codes.

2. Make connections to the two sensor wire leads with either butt-splices or solder. (Using wire nuts is **not** recommended.) The two-wire sensor is not polarity sensitive.

3. Plug the conduit with sealant to prevent air infiltration.

4. Attach the sensor panel to the electrical box using the two supplied #6 screws.

Specifications

Sensor	Type III thermistor, 10K ohm @ 77° F (25° C)
Temperature Limits	–4 to 140° F (–20 to 60° C)
Wiring	22 AWG wire leads
Dimensions	2-3/4 x 4-1/2 inches (70 x 114 mm) for single-gang electrical box mounting
Enclosure	Brushed stainless steel plate; IP50 (NEMA 1) after mounting in an electrical box

0.1875"
4.75 mm

3.375"
85.73 mm

4.5"
114.3 mm

2.75"
69.85 mm

Configuration

For controller configuration, see the **Type III Sensors Applications Guide** on the KMC web site.

Maintenance

No routine maintenance is required. Each component is designed for dependable, long-term reliability and performance. Careful installation will also ensure long-term reliability and performance.

More Information

For **troubleshooting, controller configuration, and other information**, see the **Type III Sensors Applications Guide** on the KMC web site. For **additional information**, see the **STE-1400 Series Data Sheet** on the KMC web site.

Important Notices

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