

Installation Guide

Mounting and Wiring

The STE-1430 sensor should be located where it can sense the average room temperature and be unaffected by direct sunlight and drafts. It can be mounted in a hollow wall on a standard single-gang electrical box.

The two-wire sensor is polarity insensitive.

1. Feed the cable wires through the conduit or hole opening.
2. Connect the thermistor wires to the cable with butt-splices or soldering (wire nuts are not recommended).
3. Attach the sensor panel to the electrical box using the two supplied #6 screws.



Specifications

Sensor	Type III, 10K ohm @ 77° F (25° C)
Accuracy	± 0.36° F (± 0.20° C)
Temperature Limits	-4° to 221° F (-20° to 105° C)
Dimensions	2-3/4 x 4-1/2 in. (70 x 114 mm)
Finish	Brushed stainless steel
Wiring	22 AWG wire leads
Manufacturing Process	ISO 9001 Certified

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.

Controller Configuration

Note: Controller configuration instructions are given for both WinControl and BACstage. See the relevant software section.

WinControl

1. In the WinControl software main menu, select *Control > Inputs*.
2. Click *Edit*.
3. Type in a name in the *Description* field (up to 20 characters) and/or *Label* field (up to 8 characters).
Note: No two labels or descriptions in a controller can be identical.
4. Click *Units* (which opens the Configure Inputs screen).
5. Select *Type: Analog* if it is not the default.
6. Select *Deg F (or C) KMC10K Type III*.
7. Optionally, adjust the *Calibration* value.
8. Optionally, change *Format* from 0 to the desired number of temperature decimal places.
9. Optionally, change the *Average* to the desired number of thermistor readings averaged before displaying the result.
10. Click *OK*.
11. Click *End Edit*.
12. Click *OK*.

BACstage

1. In the BACstage software main menu, select *Objects > Inputs*.
2. Click *Edit*.
3. Type in a name in the *Description* field (up to 32 characters) and/or *Label* field (up to 16 characters).
Note: No two labels or descriptions in a controller can be identical.
4. Select *Object Type: Analog* if it is not the default.
5. Select *Device Type: KMC10K Type III*.
6. Select *Units: °F or °C*.
7. Click *End Edit*.
8. Click *Yes* for "Send Update Notification Now?"
9. In the BACstage software main menu, select *Device > Device Tables > KMC10K Type III Table*.
10. Click *Edit*.
11. Click *Defaults* (values will fill in).
12. Click *End Edit*.
13. Click *Yes* for "Send Update Notification Now?"
14. Click *OK*.

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