Smart Sensor Series

SPECIFICATIONS

Sensing Element
10K Type III Thermistor, 10,000 ohms at 77 °F (25 °C)

Range
32 to 105 °F (0 to 40 °C)

Accuracy
Thermistor ± 0.36 °F (± 0.2 °C)

Stability
Thermistor will not deviate from accuracy specification for minimum of 5 years.

Wire Specifications
18 (0.823 mm^2) to 24 gauge (0.205 mm^2), 3 conductor, unshielded wire. An additional single pair twisted shielded is required for Lap-Top Service Tool connection.

Maximum Distance to Sensor
18 gauge (0.823 mm^2) wire: 1,200 ft. (366 m) with less than 0.18 °F (-17.67 °C) error

20 gauge (0.518 mm^2) wire: 790 ft. (241 m) with less than 0.18 °F (-17.67 °C) error

22 gauge (0.326 mm^2) wire: 500 ft. (152 m) with less than 0.18 °F (-17.67 °C) error

24 gauge (0.205 mm^2) wire: 300 ft. (91 m) with less than 0.18 °F (-17.67 °C) error

Dimensions
4.50″ H x 3.50″ W x 0.813″ D (11.5 cm H x 8.9 cm W x 2.0 cm D)

Color
Off-white

Power
One Smart Sensor is powered directly from an i2 or b3 field controller.

Smart Sensor Series

The Smart Sensor Series combines an attractive display with a room temperature sensor to provide users with a cost effective way to view or modify VAV box operation. It is designed for use with the Andover Controls i2 and b3 field controllers and can also accomplish many local control and monitoring tasks.

The standard Smart Sensor provides an LCD display and a 6 button programmable keypad that enables operators and occupants to change setpoints, monitor occupancy status and turn equipment on and off. An alternative version of the Smart Sensor is also available with a 4-button keypad.

The function keys can be custom programmed to perform a wide variety of functions, including switching a specific zone to occupied mode, signaling an alarm condition, adjusting the amount of override time, arming or disarming a security system, and enforcing password security. Programming the display and function keys is done with Andover Continuum's Plain English® programming language.

The Smart Sensor comes in a well-ventilated plastic enclosure. The active sensing element is a highly stable, precision thermistor, accurate to within ± 0.36 °F (± 0.2 °C). The sensor has an operating range of 32 to 105 °F (0 to 40 °C). Both versions of the Smart Sensor provide a connection for the Andover Continuum RoamIO-2 Lap-Top Service Tool.
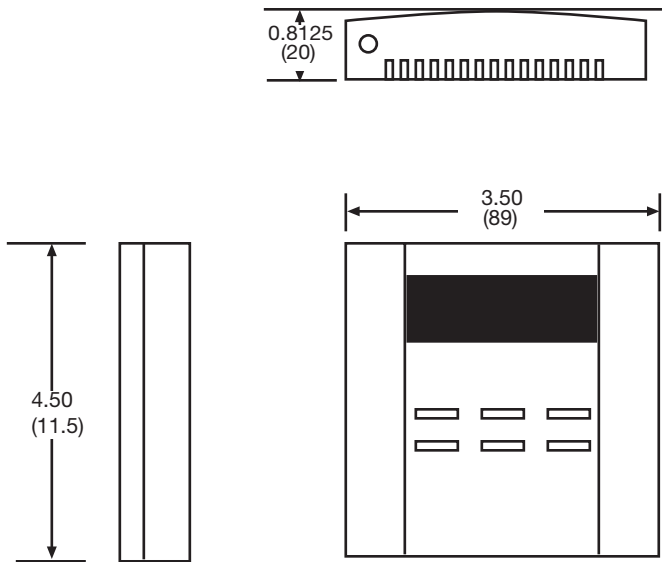
FEATURES

- Accurate, reliable 10K Type III Thermistor
- LCD display
- Programmable Keypad
- Built-In service port to be used with the RoamIO-2 Service Tool
- Powered directly from an i2 or b3 Field Controller

Schneider Electric

MODELS

Part Number	Description
TTS-SD-LCD-1	Infinity Smart Sensor 6-Button Keypad
TTS-SD-LCD-4-2	Infinity Smart Sensor 4-Button Keypad

DIMENSIONS

0.8125
(20)

3.50
(89)

4.50
(11.5)

Dimensions in in. (mm)

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