

Infinity

Stainless Steel Room Temperature Sensor

Andover Controls Stainless Steel Room Temperature Sensor provides rugged, reliable measurement of indoor temperatures for use in an Andover Controls building automation system. The sensor consists of a precision thermistor bonded to a stainless steel plate, insulated with foil-backed foam to reduce the effect of wall temperature. The sensor accurately monitors temperatures within a range of -30°F to 122°F (-34°C to 50°C), with an accuracy of $\pm 0.36^\circ\text{F}$ ($\pm 0.20^\circ\text{C}$). The high thermal mass of the plate provides an extremely stable temperature reading. The low temperature range of the sensor permits installation in freezers and cold storage lockers.

The sensor is ideal for manufacturing areas and processing plants where conventional wall sensors are subject to damage. The sensor is available with tamper-proof screws, providing additional security for prisons, hospitals, schools, and other areas prone to vandalism. The sensor may be mounted directly on a wall, or directly over a standard single-gang utility box with the screws provided. An eight (8) foot lead is included for wiring terminations. The sensor is intended for interior use only.



FEATURES

- Accurate, Reliable Type III Thermistor
- Rugged Stainless Steel Plate
- Fast Response to Temperature Changes
- Insulated Against Wall Temperature Effects
- Tamper-Proof Option

SPECIFICATIONS

GENERAL

Sensing Element:	Type III Thermistor, 10,000 ohms @ 77°F (25°C)
Range:	-30°F to 122°F (-34°C to 50°C)
Accuracy:	± .36°F (± .2°C)
Stability:	Thermistor will not deviate from accuracy specification for minimum of 5 years
Housing:	403 Stainless Steel wall plate, insulated with foil-backed foam
Wiring Connections:	8 foot 22 gauge wire leads provided. Crimp-type butt splices or solder connections recommended
Wire Size:	18, 20, or 22 gauge, 2 conductor, unshielded
Maximum Distance to Sensor:	
(with less than .1° F error)	850 ft. (78.97m) (22 gauge wire) 200ft. (18m) (18 gauge wire)
Dimensions:	4.4" x 2.75" (114.3 mm x 69.85 mm)

ORDERING INFORMATION

Stainless Steel Wallplate Sensor:	01-0100-295
Stainless Steel Wallplate Sensor w/Security Screws:	01-0100-296

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