

Room Temperature Sensors with Warmer/Cooler Setpoint

Description

TALON® Room Temperature Sensors with warmer/cooler setpoint adjustment offer a number of features and functions to deliver exceptional occupant comfort – even in demanding environments. The product group includes fully interactive versions as well as sensing with setpoint models.

All sensors have an RJ-11 port located at the bottom of the sensor for remote service pin initiation of the Predator controllers. Their compact design results in an attractive, inconspicuous installation. A styled ventilation ring allows substantial airflow through the cover for fast measurement response.

Features

- **Digital Temperature Display (optional)** – Provides an easy-to-read, two-line, alphanumeric LCD that displays room temperature value in degrees Fahrenheit or Celsius.
- **Setpoint Adjustment** – Incorporates a warmer/cooler scale for relative temperature setpoint indication. An access door covers the setpoint slide.
- **Bypass (override) button (optional)** – The flush-mounted bypass button allows an occupant to override an unoccupied mode by temporarily extending the occupied control schedule for a period of time as pre-programmed by a system operator.



Ordering Information

Predator Room Sensors

Description	Product Number
Sensing with setpoint, terminal block wiring terminations	587-188
Sensing with bypass and setpoint, terminal block wiring terminations	587-189
Sensing with bypass, setpoint, and temperature display, terminal block wiring terminations	587-196
Sensing with setpoint, RJ-11 jack	587-202
Sensing with setpoint, override RJ-11 jack	587-204
Sensing with setpoint, override, LCD, RJ-11 jack	587-207

Specifications

Dimensions	3-11/32" H x 2-1/2" W x 1-1/2" D (85 mm x 63 mm x 38 mm)
Temperature Monitoring Range	55°F to 95°F (13°C to 35°C)
Predator – Calibration Point Resistance Value	77°F (25°C) 10,000 Ohm (Thermistor)
10K Thermistor Accuracy	+/- 0.50°F (+/- 0.28°C) at calibration point
Setpoint Resolution	±1°F (±0.55°C)
Calibration Adjustments	None required
Standard Color	White
Output Signals	
Room Temperature	Changing resistance
Setpoint	Changing resistance
Installation	100 ft. maximum cable length 6C (3pr) No. 24 AWG, NEC Class 2

Wiring Table

RJ-11 Pin	Color	Wire	Terminal Block
1 LonNetwork	Green	Twisted Pair	1
2 LonNetwork	White/Green		2
3 Service Pin/LCD Power	Blue	Twisted Pair	3
4 Common	White/Blue		4
5 Setpoint	Orange	Twisted Pair	5
6 Room Temperature	White/Orange		6

Connecting TALON Room Temperature Sensor with Warmer/Cooler Setpoint to a Predator Controller

Accessories and Documentation

Description	Product Number
Sensor backplate	544-781B
Double Adapter Base Kit	544-783B
Extender Ring Kit	544-785B
Non-Conduit Rough-In Kit	544-784
4 – wire 25' room sensor cable	588-101A
4 – wire 50' room sensor cable	588-101B
4 – wire 100' room sensor cable	588-101C
6 – wire 25' room sensor cable	588-100A
6 – wire 50' room sensor cable	588-100B
6 – wire 100' room sensor cable	588-100C
Installation Instructions	588-053

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