

## Room Temperature Sensors



- **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.

### Description

TALON® Room Temperature Sensors offer a wide range of features and functions to deliver exceptional occupant comfort – even in demanding environments. The product group includes fully interactive versions as well as sensing-only models.

All sensors have a RJ-11 port located at the bottom of the sensor for remote service pin initiation of the Predator and Raptor controllers. Their compact design results in an attractive, inconspicuous installation. A styled ventilation ring allows substantial airflow through the cover for fast measurement response. Versions are specifically designed for both the Raptor® and Predator® controller lines.

### Features

- **Digital Temperature Display (optional)** – Provides an easy-to-read, two-line, alphanumeric LCD that displays room temperature value in degrees Fahrenheit or degrees Celsius.
- **Setpoint Adjustment (optional)** – Incorporates dual-temperature scale indication. An access door covers the setpoint slide.

### Specifications

Dimensions	3-11/32" H × 2-1/2" W × 1-1/2" D (85 mm × 63 mm × 38 mm)
Temperature Monitoring Range	55° to 95°F (13° to 35°C)
Temperature accuracy	±0.36°F (±0.2°C) at calibration point 77°F (25°C)
Predator Calibration Point	77°F (25°C) ± 0.50°F (0.28°C)
Predator Resistance Value	10,000 ohm (Thermistor)
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

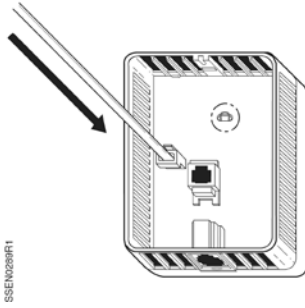


Figure 1: Connecting TALON Room Temperature Sensor to a Predator Controller.

## Ordering Information

Description	Product Number	No-Logo Version
<b>Predator Room Sensors</b>		
Sensing only	587-180	—
Sensing with bypass and setpoint	587-184	587-554B
Sensing with bypass, setpoint, and temperature display	587-187 <sup>1</sup>	—
1. Sensor will display in degrees Fahrenheit or degrees Celsius.		
<b>Accessories</b>		
Occupancy Override Button, 25-pack (White)	544-480B	
Setpoint Door, 25-pack (White)	544-481B	
Blank Bezel, 25-pack (White)	544-482B	
Room Temperature Sensor Repair Kit, Single-pack (White)	544-483B	
Blanking Override Button, 25-pack (White)	544-484B	
Sensor Backplate	544-781B	
Double Adapter Base Kit	544-783B	
Extender Ring Kit	544-785B	
RJ-11 Cable (plenum), Room Temp Sensor to Predator, 25 ft	588-100A	
RJ-11 Cable (plenum), Room Temp Sensor to Predator, 50 ft	588-100B	
RJ-11 Cable (plenum), Room Temp Sensor to Predator, 100 ft	588-100C	
Non-Conduit Rough-In Kit	544-784	
<b>Documentation</b>		
TALON Information Library CD	587-980	

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