



Allure™ EC-Sensor Series

Room Temperature Sensors



Overview

The Allure EC-Sensor series are versatile room temperature sensors. All Allure EC-Sensor models possess an integrated temperature sensor for precision local temperature sensing.

Applications

- Precise temperature monitoring
- Allows occupant setpoint adjustment, fan speed selection, and system override initiation and status indication
- Provides a local area network service access point

Features & Benefits

- Slim, compact style, and clean lines are well received by architects and building owners.
- Onboard Local Area Network (LAN) jack is accessible without removing the cover to allow quick access to the network for commissioning or troubleshooting controllers (except for the Allure EC-Sensor-T).
- For people working outside of core hours, an occupancy control extends normal system operating hours for continued comfort while saving energy when possible. Occupancy status is shown with a LED indicator.
- Fan speed selector for improved personal comfort with the Allure EC-Sensor-SOF model.
- Accurate temperature monitoring while some models have setpoint override for increased individual comfort.

Model Selection

| | |
|--------------------|--|
| PDITE-SENSORTX0 | Space temperature sensor (no communication jack). Sold in bulk pack of 10 units |
| PDITE-SENSORX0 | Space temperature sensor with communication jack |
| PDITE-SENSOROX0 | Space temperature sensor with override and communication jack |
| PDITE-SENSORSX0 | Space temperature sensor with setpoint cool/warm and communication jack |
| PDITE-SENSOR-SOX0 | Space temperature sensor with setpoint cool/warm, override and communication jack |
| PDITE-SENSOR-SOFX0 | Space temperature sensor with setpoint cool/warm, override, fan speed selection and communication jack |

Product Specifications

Environmental

Operating Temperature 0°C to 50°C; 32°F to 122°F
Storage Temperature -20°C to 70°C; -4°F to 158°F
Relative Humidity 0 to 90% non-condensing

Communication

LAN Access Jack¹ Audio jack, 1/8" (3.5mm)

Enclosure

Material ABS type PA-765A
Color Off white
Dimensions (overall) 4.62" x 3.29" x 1.58" (117mm x 84mm x 40mm)
Shipping Weight:
 Per sensor 0.4lbs (0.18kg)
 Per box of 10 EC-Sensor-T sensors 2lbs (0.9kg)
Installation Wall mounting through mounting holes
(see figure below for hole positions)

Temperature Sensor

Type 10KΩ Type II Thermistor (10kΩ @ 25°C; 77°F)
Range 0°C to 50°C; 32°F to 122°F
Accuracy ±0.5°C; ±0.9°F

Functions

Occupancy Override Momentary push-button switch short-circuits the thermistor
LED (occupancy) Green, powered by 12 VDC or 24 VAC
Setpoint Cool/Warm (+/-) 10 kΩ linear rotary potentiometer
Fan Speed Selection 5-position rotary-switch with factory-programmed resistance values
 Auto 0 Ohms
 Off 2500 Ohms
 Fan Speed 1 5000 Ohms
 Fan Speed 2 7500 Ohms
 Fan Speed 3 10 000 Ohms

Agency Approvals

UL Listed (CDN & US) UL916 Energy management equipment
Material² UL94V-1

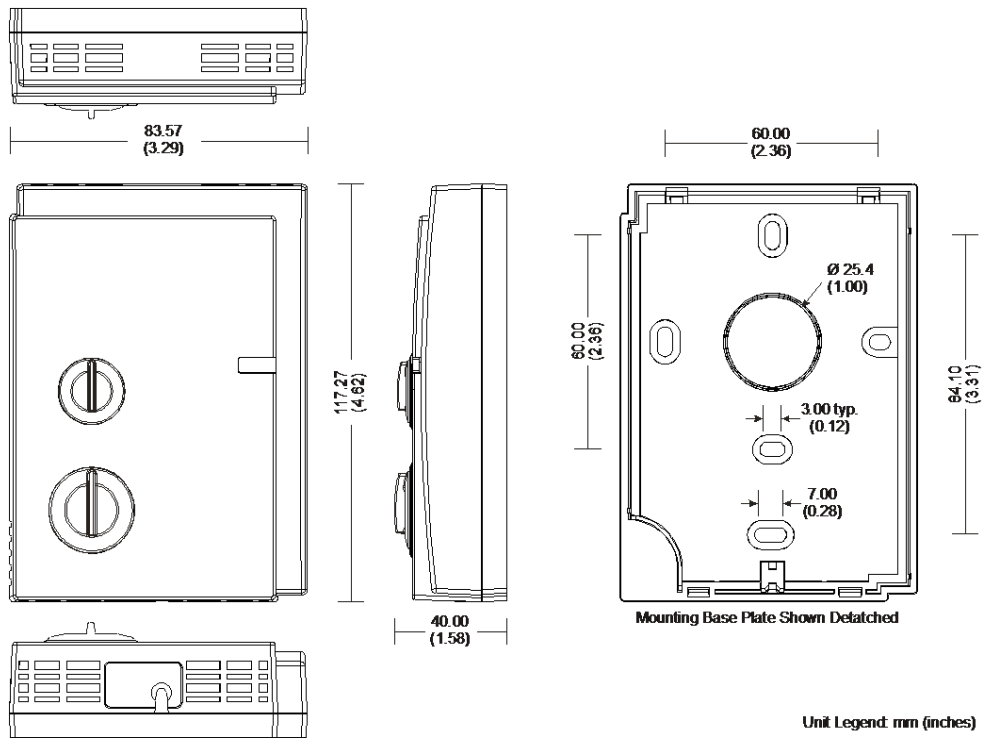
Electromagnetic Compatibility

CE 2004/108/EC

1. Except for the EC-Sensor-T sensor model.

2. All materials and manufacturing processes comply with the RoHS directive and are marked according to the Waste Electrical and Electronic Equipment (WEEE) directive.

Dimensions



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