DISTECH CONTROLS™

Overview

The Allure EC-Sensor series are versatile room temperature sensors. All EC-Sensor models possess an integrated temperature sensor for precision local temperature sensing. In addition, some models feature a rotary knob for setpoint adjustment, fan speed setting, and a push button for occupancy override.

An onboard jack provides easy connection to the local area network without having to open the cover.

The alluring, slim profile enclosure is suitable for classrooms, hotels, executive areas, office spaces and commercial areas. A separate sub-base allows it to be mounted on dry wall or on electrical junction box.

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 jack is accessible without removing the cover to allow quick access to the network for commissioning or troubleshooting controllers
- 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 an LED indicator.
- Fan speed selector for improved personal comfort with EC-Sensor-SOF model.
- Accurate temperature monitoring while some models have setpoint override for increased individual comfort
- Supports various mounting scenarios: Install the Allure EC-Smart-Sensor directly on dry wall or on a North American, European, or Asian style junction box
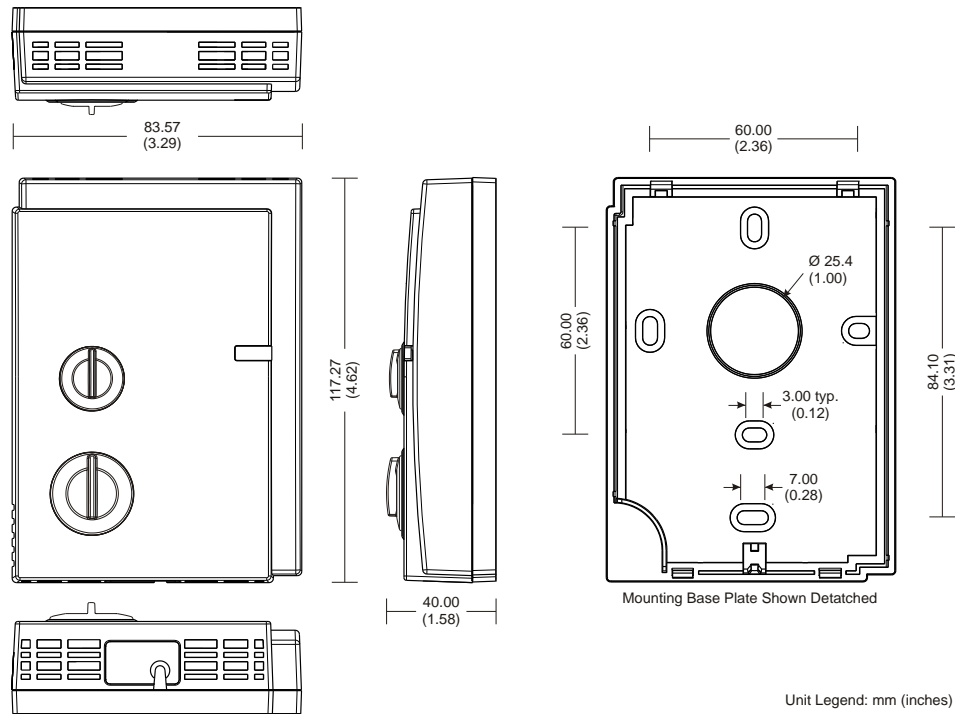
Product Warranty & Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards and carry a two-year warranty. Distech Controls is an ISO 9001 registered company.

EC-Sensor Models

Model	Allure EC-Sensor	Allure EC-Sensor-O	Allure EC-Sensor-S	Allure EC-Sensor-SO	Allure EC-Sensor-SOF
Monitor space temperature	■	■	■	■	■
Occupancy override		■		■	■
LED (Occupancy)		■		■	■
Setpoint cool/warm (+/-)			■	■	■
Fan speed selector					■
Communication jack	■	■	■	■	■
Product Number	PDITE- SENSORX0	PDITE-SENSOROX0	PDITE-SENSORSX0	PDITE-SENSORSOX0	PDITE-SENSORSOFX0

Product Specifications

Unit Legend: mm (inches)

Mounting Base Plate Shown Detatched

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 Jack	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	TBD 0.4lbs (0.18kg)
Installation	Wall mounting through mounting holes (see figure above for hole positions)

Agency Approvals	
UL Listed (CDN & US)	UL916 Energy management equipment Accessories
Material[1]	UL94V-1 REACH, EC/2006/1907

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	
Setpoint Adjustment	10 kΩ linear rotary potentiometer
Occupancy override	Momentary push-button switch short-circuits the thermistor
LED	Green, powered by 12 VDC or 24 VAC
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

Electromagnetic Compatibility	
CE	2004/108/EC

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