



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. In addition, some models feature a rotary knob for setpoint adjustment, fan speed setting, and a push button for occupancy override.

Other models have an onboard jack that 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 (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.
- 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.

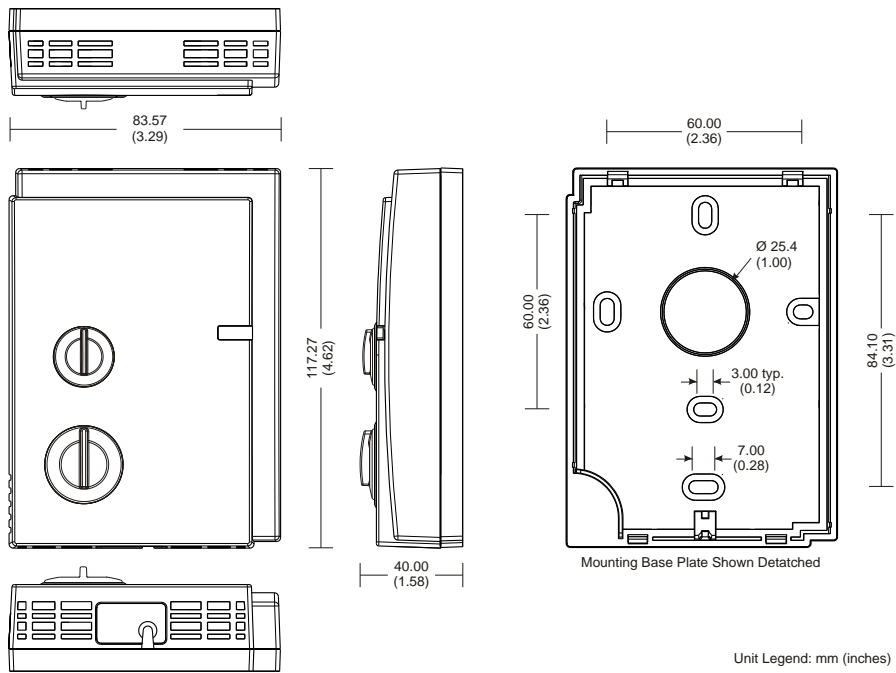
Allure EC-Sensor Series Models



Model	Allure EC-Sensor-T ¹	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		■	■	■	■	■

1. The Allure EC-Sensor-T sensors are sold in boxes of 10.

Product Dimensions



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 Jack ¹	Audio jack, 1/8" (3.5mm)
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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 above for hole positions)

Agency Approvals

UL Listed (CDN & US)	UL916 Energy management equipment
Material ²	UL94V-1



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 .

Temperature Sensor

Type	10K Ω Type II Thermistor (10k Ω @ 25°C; 77°F)
Range	0°C to 50°C; 32°F to 122°F
Accuracy	$\pm 0.5^\circ\text{C}$; $\pm 0.9^\circ\text{F}$

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 k Ω 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

Electromagnetic Compatibility

CE	2004/108/EC
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Total Quality Commitment

All Distech Controls product lines are built to meet rigorous quality standards. Distech Controls is an ISO 9001 registered company.

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