

EC-Sensor

easyCONTROLS™ Temperature Sensor

Applications

- Monitor room temperature
- Quick and convenient access for room temperature setpoint adjustment
- Access the local network using the built-in communication jack

Features

Interoperability

- Easily integrate this sensor into any job, as it necessitates no specific protocol or configuration.

Hardware

- Incorporated stereo/mono communication jack
- Robust ABS resin casing
- Easy connection
- 10K type 2 NTC Thermistor with 5% precision for room temperature monitoring
- An embossed switch can be provided to act as a local override button to current system status. The override button operates in parallel with the temperature sensor
- Externally powered LED for occupied / unoccupied system status
- Standard setpoint potentiometer of 10KΩ for temperature setpoint control

Software

- Setpoint and potentiometer range can be specified using the LNS® plug-in or the EC-Net^{AX} Wizard for the device that the EC-Sensor is connected to



The EC-Sensor analog wall sensor family is specifically designed to interface with any fan coil, heat pump, roof top & other terminal heating or cooling unit. The device provides precision local temperature sensing with the capability of local setpoint adjustment.

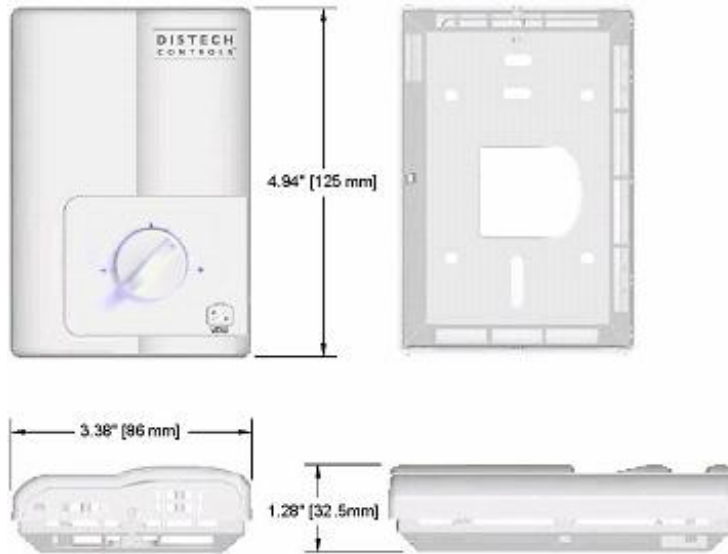
The most unique feature of this sensor is the communication jack that is built into it, allowing the user to connect to the network directly from the sensor. This is an extremely convenient feature when calibrating VAV controllers, enabling the user to connect a computer to the LON® network or to the EC-Smart sensor balancing tool.

The modern low profile enclosure is suitable for classrooms, hotels, executive areas, office spaces & other commercial areas. Mounting hardware with a separate sub-base is provided with the device for installation on dry wall or on a 2" x 4" electrical junction box.

The easyCONTROLS product line is built to meet rigorous quality standards and carries a two-year warranty. The complete line of easyCONTROLS controllers is designed for use with any LNS based and/or any other open and interoperable system – such as EC-Net^{AX} Pro. This provides both the contractor and the end user with the flexibility of using "best of breed" products in system design.

Distech Controls' quality management system is ISO 9001:2000 certified.

Product Specifications and Sensor Selection Guide



Environmental	General
Operating Temperature: 0°C to 70°C, 32°F to 158°F Storage Temperature: -20°C to 70°C, -4°F to 158°F Relative Humidity: 0 to 90% Non-condensing	Sensor: 10K type 2 NTC Thermistor, Range: -40°C to 150°C; -40°F to 302°F Accuracy: ±0.5°C; ±0.9°F Resolution: 0.1°C; 0.18°F Display Range: 15°C to 27°C; 60°F to 80°F Config. Range: Min: 0KΩ=13.75°C; Max: 10KΩ=29.5°C Min: 0KΩ=56°F; Max: 10KΩ=85.25°F
Characteristics & Options	Enclosure
Setpoint Potentiometer: Local 10K direct acting setpoint potentiometer 20% tolerance across the Range Communication jack: Audio jack stereo/mono 1/8" (3.5mm) Status LED: Externally 24VAC/ VDC powered	Material: ABS resin Color: Off white Dimension: 4.94" x 3.38" x 1.28" (124 x 85 x 32.5 mm) Shipping Weight: 0.4 lbs (0.18 kg)

Selection Guide

Model	Description
EC-SENSOR	Room sensor, no setpoint
EC-SENSOR-LO	Room sensor with LED and Override push button
EC-SENSOR-SLO-CW	Room sensor with LED, Override push button and setpoint adjustment (cool/warm)
EC-SENSOR-SLO-C	Room sensor with LED, Override push button and setpoint adjustment (°C)
EC-SENSOR-SLO-F	Room sensor with LED, Override push button and setpoint adjustment (°F)
EC-SENSOR-AVG	Averaging room sensor, no setpoint
EC-SENSOR-AVG-LO	Averaging room sensor with LED and Override push button

Other Peripherals

In addition to the Distech Controls **easyCONTROLS** product line, we invite you to take advantage of our array of peripheral product offering. We are confident our peripheral product offering can:

- Facilitate your ordering process;
 - Simplify your search for equal or better prices on all items;
 - Help standardize your purchasing process by providing quality and performance-proven products.
- Please contact sales@distech-controls.com for a complete list of available products and peripherals.

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