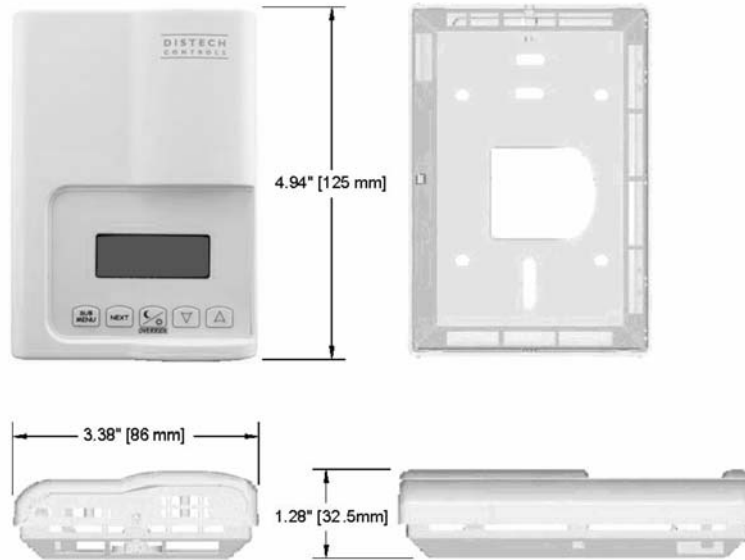


easyCONTROLS™ Communicating LCD Sensor and Balancing Tool for VAVs

| | |
|---|---|
| <p>Applications</p> <ul style="list-style-type: none"> - Monitoring room/outside temperature - Adjusting setpoints - Initiating setpoint override - Air balancing tool for VAVs - Permanent installation or use as a hand held air balancing tool in conjunction with a standard room sensor (EC-Sensor) |  <p>The EC-Smart-Sensor-VAV is specifically designed to interface with Distech Controls' ECC-VAV, ECC-VAVD and ECC-VVT line of controllers. The device provides precision local temperature sensing and it provides a variety of public functions that can be accessed by room occupants as well as password protected functions for technicians.</p> <p>Occupants have access to a user friendly interface that makes it possible for them to view and adjust environmental settings to their liking. Building occupants can also view the occupancy status, space temperature, outside air temperature and adjust the setpoint.</p> <p>Maintenance personnel have access to a password protected configuration mode that allows them to perform air balancing on a connected VAV, send service pin messages, toggle temperature units between °C and °F, specify VAV or VVT mode and view the values of all inputs and outputs to the ECC-VAV, ECC-VAVD or ECC-VVT.</p> <p>The EC-Smart-Sensor-VAV can be installed permanently on the wall or used as a hand held air balancing tool that can be wired into a standard wall-mounted room sensor. Using the EC-Smart-Sensor-VAV as a portable unit, technicians can directly perform detailed monitoring and configuration (i.e. balancing) of the VAV and associated equipment, right near the point of control. The lightweight design and quick connect 2-wire interface make the device convenient to use.</p> <p>The modern, sleek profile enclosure is suitable for classrooms, hotels, executive areas, office spaces & commercial areas. Mounting hardware with a separate sub-base is provided with the device for installation on dry wall or on a 2"x4" electrical junction box.</p> <p>The easyCONTROLS product line is built to meet rigorous quality standards and carries a two-year warranty.</p> |
| <p>Features</p> <p>Controller Compatibility</p> <ul style="list-style-type: none"> - The EC-Smart-Sensor-VAV is designed to work with the ECC-VAV, ECC-VAVD and ECC-VVT line of controllers - Data is sent directly to the associated controller's SMRT inputs using a serial communication protocol - Can be temporarily used with wireless controller models for air balancing | |
| <p>Hardware</p> <ul style="list-style-type: none"> - Power and communication over 2-wire interface allow use of existing sensor wiring - Two-line (8 characters per line) LCD display - Robust ABS resin casing with an attractive design - On board LON jack (usage requires 2 more wires) - Override button | |
| <p>Interface</p> <p>Occupants can access various user mode functions:</p> <ul style="list-style-type: none"> - View space temperature - View / Adjust setpoint - View occupancy state - View outside air temperature - Displays wink state <p>Password protected configuration mode for advanced functions:</p> <ul style="list-style-type: none"> - VAV balancing (hot/cold/mixed duct flow configuration) - Send service pin message - Toggle temperature units (°C/°F) - Select VAV or VVT control mode - View all ECC-VAV, ECC-VAVD or ECC-VVT input and output values. <p>Portable Use</p> <p>Can be used as a portable balancing tool by temporarily wiring into an EC-Sensor communications port or by temporarily connecting to the VAV using direct wiring</p> | |

Distech Controls is registered ISO 9001

Product Specifications and Related Products



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|--------------------------------------|--|--|---|
| General | | Communications | |
| CPU: | PIC16C622 | 2400 baud serial communication over 2-wire interface. Half duplex, 8-bit, no parity, 1 stop bit. Protocol based on EIA-232. Wiring: 50 feet max. (15 meters max.), 22 AWG unshielded, twisted pair, stranded cable. | |
| Power Source: | Externally powered - 12 VDC | | |
| LCD Display: | 2 Lines, 8 Characters | | |
| Environmental | | General | |
| Operating Temperature | 0°C to 70°C, 32°F to 158°F | Sensor | 10K NTC Thermistor, Range 0° C to 70° C; 32° F to 158° F Accuracy: ±0.2° F, ±0.36° F Resolution: 0.1° C; 0.18° F |
| Storage Temperature | -20°C to 70°C, -4°F to 158°F | | |
| Relative Humidity | 0 to 90% Non-condensing | | |
| Electromagnetic Compatibility | | Enclosure | |
| CE | CEI-61000-4-3:1995 CEI-61000-4-6:1996 CEI-61000-4-2:1995 CEI-61000-4-4:1995 | 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) |
| Agency Approvals | | | |
| UL Listed (CDN & US) | UL-873 Temperature Indicating & Regulating Equipment (Pending) | | |
| FCC Material ¹ | FCC part 15, subpart B, class B UL94-V0 | | |

1.) All materials and manufacturing processes comply with ROHS (Reduction of Hazardous Substances) and lead free regulations

Related Products

easyCONTROLS Application Specific VAVs and VVTs



ECC-VAV The EC-Smart-Sensor-VAV is designed to facilitate VAV balancing, display the values of all inputs and outputs of ECC-VAVs and ECC-VVTs, and allow occupants to adjust the room setpoint.
ECC-VVT

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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EC-Smart-Sensor-VAV

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