

Applications

Zone control for absolute comfort:

- Precise environmental control
- Occupancy override allows the system to adjust to individual needs

Features & Benefits

- Slim, compact style and clean lines are well received by architects and building owners
- Onboard LON jack is accessible without removing the cover to allow quick access to the network for commissioning or troubleshooting controllers (requires additional wiring)
- For people working outside of core hours, an occupancy control extends normal system operating hours for continued comfort while saving energy when possible
- Data is sent directly to the associated controller's SMRT inputs for seamless integration and control
- HVAC mode override and Fan speed view / adjust for improved personal comfort¹

1. Allure EC-Smart-Sensor-200 model only

Overview

The **Allure EC-Smart-Sensor-100** and **Allure EC-Smart-Sensor-200** are specifically designed to interface with Distech Controls' ECP programmable line of controllers. These devices provide precision local temperature sensing, information display of system status, and a variety of control functions that can be accessed by room occupants.

With its user-friendly interface, occupants can view and adjust environmental settings to their liking, for example, view the space temperature, adjust the setpoint and apply occupancy overrides. In addition to this, occupants can apply HVAC overrides and select fan speed using the Allure EC-Smart-Sensor-200.

The Allure EC-Smart-Sensor-100 and Allure EC-Smart-Sensor-200 are configurable through the programming tool (EC-gfxProgram) of the connected controller. This application can be used by any LNS[®]-based software such as Distech Controls' Lonwatcher 3 or by a multi-protocol platform software supporting LONWORKS[®] devices such as Distech Controls' EC-Net^{AX} Pro powered by the Niagara^{AX} Framework[®].

The alluring, slim 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 an electrical junction box.

- LCD display provides real-time access to temperature and other system information such as setpoint, occupancy status, HVAC mode, etc.
- Simple 2-wire interface provides both power and communications to reduce installation costs and for easier installation or system retrofit
- Setpoint override for optimum comfort
- Accurate temperature monitoring for increased 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. Distech Controls' products provide both the contractor and the end user with the flexibility of using "best-of-breed" products in system design.

Available EC-Smart-Sensor Models



Allure EC-Smart-Sensor-100

Two-Line LCD Display Communicating Sensor

- Monitor space temperature
- Setpoint adjustment
- Occupancy override



Allure EC-Smart-Sensor-200

Two-Line LCD Display Communicating Sensor

- Monitor space temperature
- Setpoint adjustment
- Occupancy override
- HVAC override
- Fan speed selection

Related Products

ECP Programmable Controllers¹



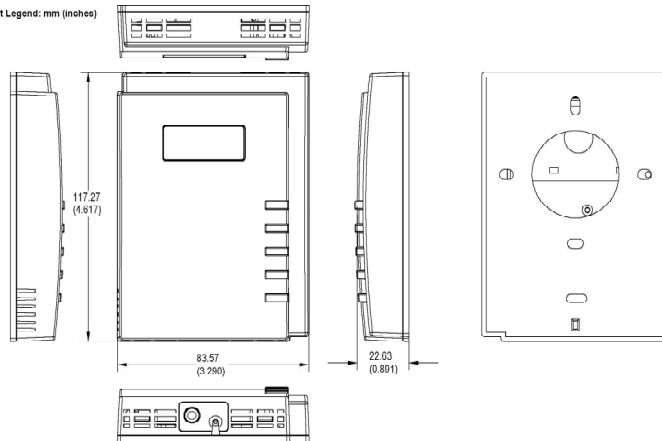
ECP-103 Series	10-Point Programmable Controller
ECP-203 Series	14-Point Programmable Controller
ECP-PTU	14-Point High Voltage Programmable Controllers
ECP-300 Series	18-Point Programmable Controller
ECP-400 Series	24-Point Programmable Controllers
ECP-500 Series	28-Point Programmable Controllers
ECP-VAV Series	10-Point Single Duct VAV Programmable Controller
ECP-VAVS Series	4-Point Single Duct VAV Programmable Controller

For more information on these or other Distech Controls products please refer to our web site at www.distech-controls.com or contact sales@distech-controls.com.

1. Can only be used with EC-gfxProgram

Product Specifications

Unit Legend: mm (inches)



General

Voltage: 12VDC (Through the communication wires)
 CPU: PIC16F648A
 LCD Display: 2 Lines; 8 Characters

Environmental

Operating Temperature: 5°C to 40°C; 41°F to 104°F
 Storage Temperature: -20°C to 57°C; -4°F to 135°F
 Relative Humidity: 0 to 95% Non-condensing

Enclosure

Material: ABS type FR-500A
 Color: Off white
 Dimensions (overall): 4.62" x 3.30" x 0.90" (117mm x 84mm x 23mm)
 Shipping Weight: 0.4lbs (0.18kg)
 Installation: Wall mounting through mounting holes
 (see figure above for hole positions)

Agency Approvals

UL Listed (CDN & US)
 Material¹: UL916 Energy management equipment
 UL94-VO



Temperature Sensor

Types: 10KΩ NTC Thermistor
 Range: 5°C to 40°C; 41°F to 104°F
 Accuracy: ±0.5°C; ±0.9°F
 Resolution: 0.1°C; 0.18°F

Communications

Type: 2400 baud serial communication over 2-wire interface
 Half duplex, 8-bit, no parity, 1 stop bit
 Protocol: Based on EIA-232
 Wiring: Cable length: 76m (250ft) maximum
 Supported Cable: Belden #8451 or equivalent

Electromagnetic Compatibility

CE: EN 61000-6-3:2007
 EN 61000-6-1:2007
 FCC: Part 15, subpart B class B



- All materials and manufacturing processes comply with the RoHS directive

Specifications subject to change without notice.

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 Niagara^{AX} Framework is a registered trademark of Tridium, Inc.; All other trademarks are property of their respective owners.



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Allure EC-Smart-Sensor-100
 Allure EC-Smart-Sensor-200

www.distech-controls.com