

Overview

The **Allure EC-Smart-Sensor-FC Series** is specifically designed to interface with Distech Controls' ECC-PFCU line of controllers as well as the ECP programmable line of controllers. These devices provide precision local temperature sensing and a variety of 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, occupancy status, adjust the setpoint, apply occupancy overrides, select fan speed and toggle the temperature units between °C / °F (Allure EC-Smart-Sensor-FC-CF model only). They can also choose to display the room temperature, occupancy status, fan speed, or a custom welcome message.

The Allure EC-Smart-Sensor-FC is configurable through the configuration tool (EC-Configure) or the programming tool (EC-gfxProgram) of the connected controller. Both applications 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.

Applications

Zone control for absolute comfort:

- Precise environmental control
- Occupancy override allows the system to adjust to individual needs
- Display units (°C / °F) are user selectable which is ideal for applications catering to international customers such as hotels¹

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 comfort
- 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

1. Allure EC-Smart-Sensor-FC-CF model only

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-FC

Two-Line LCD Display Communicating Sensor

- Monitor space temperature
- Monitor occupancy state
- Setpoint adjustment
- Occupancy override
- Fan speed selection



Allure EC-Smart-Sensor-FC-CF

Two-Line LCD Display Communicating Sensor

- Monitor space temperature
- Monitor occupancy state
- Setpoint adjustment
- Occupancy override
- Fan speed selection
- Temperature unit toggle - °C/°F

Related Products

Powered Fan Coil Unit Controllers



ECC-PFCU Series

Powered Fan Coil Unit Controller

ECP Programmable Controllers¹



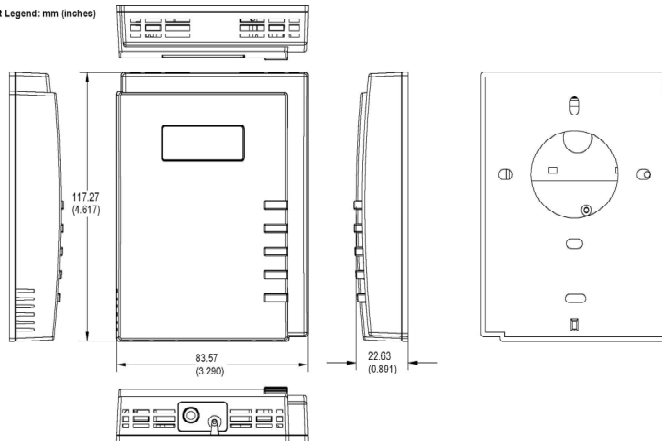
ECP-103 Series	10-Point Programmable Controller
ECP-203 Series	14-Point Programmable Controller
ECP-PTU	14-Point High Voltage Programmable Controllers
ECP-300 Series	18-Point Programmable Controller
ECP-400 Series	24-Point Programmable Controllers
ECP-500 Series	28-Point Programmable Controllers
ECP-VAV 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)	UL916 Energy management equipment
Material ¹ :	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.

Distech Controls logo is a trademark of Distech Controls Inc.;
LONWORKS, LON and LNS are registered trademarks of Echelon Corporation;
Niagara^{AX} Framework is a registered trademark of Tridium, Inc.; All other trademarks are property of their respective owners.



05DI-DSSAFC-11

Allure EC-Smart-Sensor-FC Series

www.distech-controls.com