

Room sensor device with a touch-sensitive LCD color screen



Overview

Thanks to its user-friendly interface, the **Allure RS-Smart-Sense** presents an optimized ergonomics for an immediate control of each comfort parameter of the room (lighting, temperature, sunblinds and fan speed) and instant access to 1 of the 4 memorized configurations.

These 4 different scenarios drive all the working conditions of the room and can be easily programmed to recall specific settings depending on the dedicated use.

The **RS-Smart-Sense** is a customizable accessory that blends with its environment. Its wide range of front panel allows you to choose between 10 different styles (2 included). Besides, the possibility to change the pictograms to your own ones enhances its versatility and leads the **RS-Smart-Sense** to harmonize with any aesthetic need in highly demanding environments.

The automation of the backlight, regulated by its embedded sensor depending on the room ambient luminosity, improves the reading comfort while adding to its discretion.

Moreover, the ECO-Vue icon illustrates the impact of the user's settings on the global energy efficiency of the building so as to incite him to follow the supervisor's recommendations. It displays more leaves for environmentally friendly settings so as to help reducing operating costs.

A password protected technician mode allows the integrator to perform commissioning, basic settings and troubleshooting. For example, it can be used to set the controller's BACnet MAC address during commissioning when the **RS-Smart-Sense** is connected to a BACnet IRC controller (*please refer to the Hardware Installation Guide for more details about available configurations*).

The **Allure RS-Smart-Sense** is designed to interface with Distech Controls' Karno® and Dalilon® controllers. Connection is made through a plug and play keyed RJ9 cable (*not provided*).

The mounting hardware is compliant with European, North-American and Swiss electrical junction boxes (*not provided*).

Applications

The **Allure RS-Smart-Sense** provides precise environmental zone control for temperature, fan speed, lightings and sunblinds with the following controller applications:

- Fan coil units
- Roof top units
- Heat pumps
- Unit ventilators
- Lighting and sunblind applications, ...

The **RS-Smart-Sense** can be used as a classic wall-mounted room device or as a hand-held tool to:

- Set the MAC address of the controller
- Configure the basic parameters of the controller

Features & Benefits

- A single device to control temperature, fan speed, lighting, sunblinds and occupancy management
- Up to 4 scenes stored for instant access to favorite comfort parameters
- Full color LCD display for real-time control of room settings. Combined with its touch sensitive screen and its user-friendly interface, the **RS-Smart-Sense** allows any occupant to manage easily HVAC, lighting and sunblind parameters
- 10 different front sides (2 included: brushed aluminum style and glossy black) and customizable pictograms to fit any project and suit architects and building owners' aesthetic needs.
- ECO-Vue icon to indicate graphically energy efficiency of the configuration to help the occupant adopt energy conscious behavior and therefore save energy costs.
- Automatic backlight dimming depending on the ambient lighting level in room driven by an embedded sensor.
- Occupancy control to extend normal system operating hours for further time flexibility.
- Access to controller's key features with a suitable interface to ease the integrator's job (*see Hardware Installation Guide for more information*).
- A single plug and play keyed cable to connect both power and communication for easy installation and system retrofit at reduced costs (*RJ9 connection*).

Allure RS-Smart-Sense

Model	Allure RS-Smart-Sense (2 front panels provided)
Product Number	XPCP0215



Color	Brushed Aluminum Style	Glossy Black
Material	PMMA	Dibon

ECO-Vue Icon

The ECO-Vue icon is to encourage the users to follow the supervisor's recommendations and therefore promote thermal homogeneity in the building so as to reduce the associated operating costs.

By displaying the maximum of leaves for close to setpoint manual settings, the ECO-Vue icon illustrates act on its energy efficiency. It illustrates the favorable or unfavorable character of the user's choices on the energy-efficiency of the building.

The ECO-Vue displays the maximum of leaves when following the programmed settings and the minimum for the further temperature from setpoint and the maximum fan speed.



Energy efficiency of the room according to the building settings (see End User Manual)

Complementary Product

Free Smartphone Application: "Smart-Sense Room Control"











Thanks to the « Smart-Sense Room Control » free smartphone application, the Allure RS-Smart-Sense remains accessible in any circumstances to give you full remote control from your smartphone of all your comfort parameters (occupancy, ventilation, lighting, blinds, temperature and scenarios) for enhanced flexibility and easy management (available from September on selected smartphones – contact us for further information).



Related products

Optional front panels

The front panels system makes the style of the Allure RS-Smart-Sense fully customizable. In addition to the 2 provided front panels you can also create your own ones (see *Hardware Installation Guide for more information*) or you can choose the design that will fit the final environment between the 8 optional front panels :

Color	Product reference	Description	Material
	Smart-Sense-FS-LW	glossy light wood front-side	ABS V0
	Smart-Sense-FS-DW	glossy dark wood front-side	ABS V0
	Smart-Sense-FS-M	mirror finish front-side	ABS V0
	Smart-Sense-FS-EB	electric blue front-side	ABS V0
	Smart-Sense-FS-G	golden finish front-side	ABS V0
	Smart-Sense-FS-MB	matt black front-side	ABS V0
	Smart-Sense-FS-GW	glossy white front-side	ABS V0
	Smart-Sense-FS-GG	glossy grey front-side	ABS V0

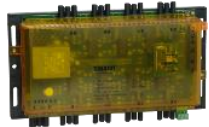
Non binding colors

HVAC Controllers



SRC Series	HVAC Configurable controllers
SRC-DL Series	Double loop HVAC Configurable controller
FCC Series	Fan coil controllers
IRC Series	Integrated room controllers (with lighting and sunblind management)

Light And Sunblind Controllers



CTR Lighting Series	230 VAC lighting controller, 4 or 8 on/off or 1-10VDC dimming outputs
CTR Sunblind Series	Sunblind controller, 4 or 8 230VAC or 24VDC outputs
CTR-8LDALI	DALI lighting controller dedicated to offices: 8 power outputs (16 ballasts managed, divided in 8 groups maximum)
CTR-DALI-LR	DALI lighting controllers dedicated to open spaces: 64 ballasts managed divided in 8 or 16 groups

Wiring



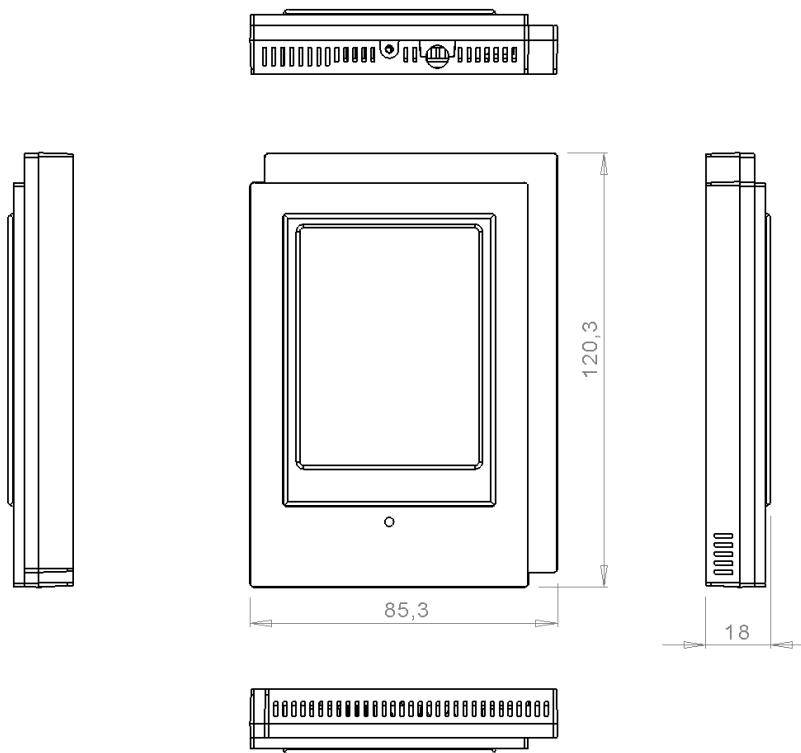
CBL-003	RJ9-RJ9 cable - 30cm length
CBL-05	RJ9-RJ9 cable - 5m length
CBL-08	RJ9-RJ9 cable - 8m length
CBL-12	RJ9-RJ9 cable - 12m length
CBL-40	RJ9-RJ9 cable - 40m length
CBL-50	RJ9-RJ9 cable - 50m length

For more information on Distech Controls products, please refer to our website: www.distech-controls.eu or call +33 4 78 45 01 23

Product Warranty & Total Quality Commitment

Our products are made in Europe and carry a two-year warranty. Distech Controls is an ISO 9001 registered company.

Product Specifications



Unit: mm

General

Voltage	5Vdc maximum
Power	250mW typical

LCD Display

Type	Full color TFT display with backlight
Resolution	240p x 320p (48.6mm x 64.8mm)
Symbols	Language-independent icons
Temperature Resolution	± 0.1°C; ± 0.1°F

Touchscreen

Type	Resistive
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Temperature Sensor

Type	10kΩ NTC Thermistor
Range	5°C to 36.9°C; 41°F to 98.4°F
Accuracy	±0.5°C at 25°C; 0.90°F at 77°F

Communications

Wiring	50m maximum
Cable Type	4 conductors 7/0.16mm (26 AWG)
Connector	RJ9
Daisy-Chaining	No

Environmental

Operating Temperature	5°C to 40°C; 41°F to 104°F
Storage Temperature	-20°C to 50°C; -4°F to 122°F
Relative humidity	0 to 95% Non-condensing

Enclosure

Material	ABS V0
Color	Graphite black
Dimensions (overall)	85.3mm x 120.3mm x 18mm
Shipping Weight	0.2kg (0.44lbs)
Installation	Wall-mounting through mounting holes (See Hardware Installation Guide for hole position)


Agency Approvals

Material ¹	UL94V-0
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Electromagnetic Compatibility

CE :	EN 61000-6-3:2007 EN 61000-6-1:2007
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1. All materials and manufacturing processes comply with the RoHS directive .

Specifications subject to change without notice.

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Allure RS-Smart-Sense

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