75F® MySense

An accessible sensing station and local interface for buildings of all types

– Occupancy, temperature, humidity, and optional CO_2 in an intuitive, cost-competitive design

– (3) Universal inputs

– Sleek user interface to control a 75F Smart Node and 75F Connect Module

75F® MySense

This discreet, intuitive user interface provides remote control and critical sensor data to 75F controllers, enabling efficient zone operation across a wide variety of indoor environments. Power and communications through standard 2-wire connections, MySense eliminates the need for complex wiring and costly installations.

MySense's sleek, compact design blends effortlessly into any interior — from hotel rooms and offices to retail and industrial spaces — delivering reliable performance even in tight or aesthetic-sensitive locations.

OVERVIEW

Operating on a 2-wire Power over RS-485 (PoR) sensor bus, MySense makes advanced sensing both accessible and affordable. Whether it's reducing energy usage, enhancing occupant experience, or improving facility operations, MySense is a powerful tool for smarter buildings, all without pulling new wires.

KEY FEATURES

- Connects over any standard two wires including thermostat, ethernet, twisted pair, or shielded comm wire via 75F's PoR technology. Eliminates the need to pull new wire in retrofits and enables use of affordable 18/2 thermostat wire in new construction.

- Real-time occupancy detection enables smart control based on room usage, improving comfort and reducing energy waste when spaces are unoccupied

- Receives over-the-air firmware updates via the 75F Central Control Unit (CCU), ensuring continuous performance improvements

- Equipped with 3 universal inputs to support external sensors such as window and door sensors and other dry contact signals

- Allows Bluetooth connectivity for wireless window and door sensors

COMPATIBLE APPLICATIONS

- Any 75F Smart Node profile
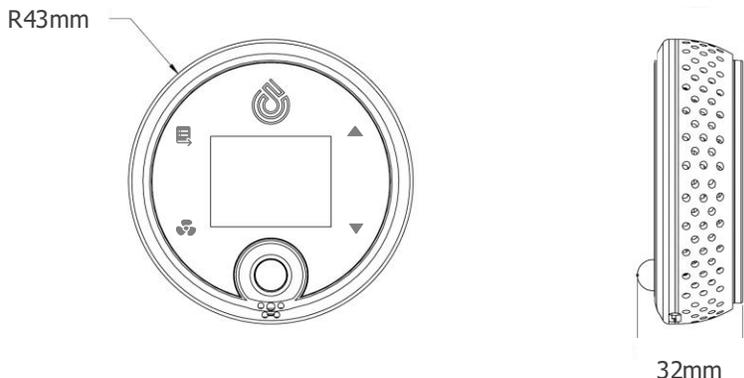- User Interface for low-code custom applications controlled by the 75F Connect Module

75F® MySense

MECHANICAL

Dimensions	1.7" (43mm) Radius x 1.3" (32mm) Wide
Mounting	Wall mount
Screen	LCD, 1.8"

R43mm

32mm

ELECTRICAL

Power	Power over RS-485

COMMUNICATIONS

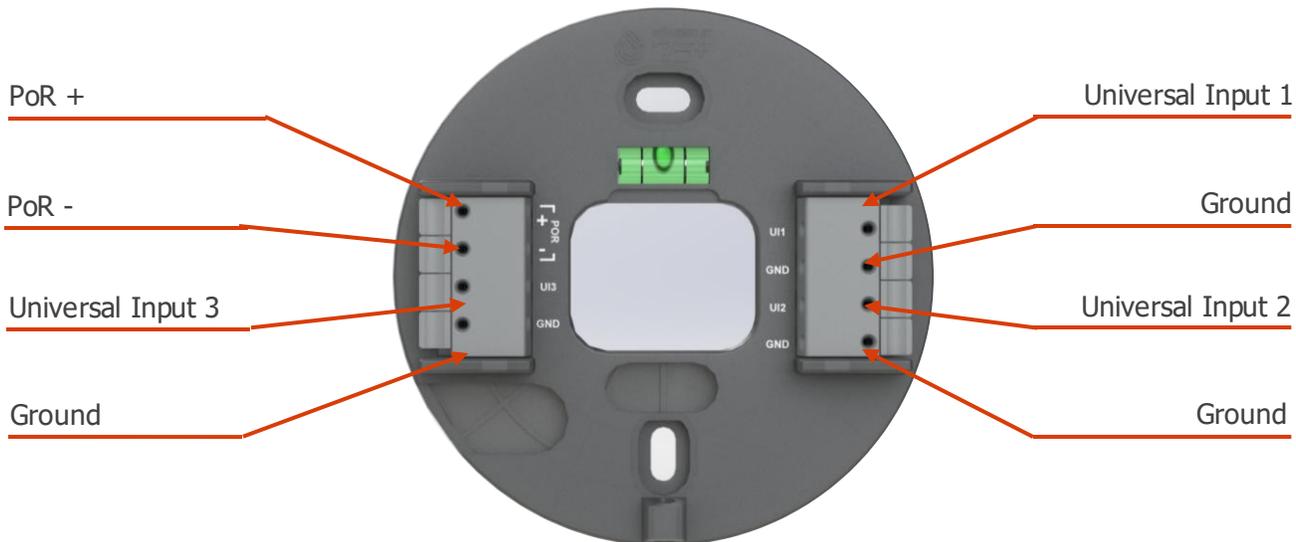|	
Wired	75F standard Power over RS 485
Mesh	902-928 MHz IEEE 802.15.4-compliant for communication to CCU
Bluetooth	Bluetooth (BLE5.4) to communicate with wireless sensors.

SENSORS

Temperature	Operating range between 32°F – 122°F (0 – 50°C); typical accuracy of +/- 1 °F or 0.5°C
Humidity	Sensing range between 0 to 100%RH; Typical accuracy of +/- 2% RH
Occupancy	Passive Infra Red (PIR) with detection range of 4m with 110 -degree angle
CO2*	400 - 5000ppm (Extended range up to 10000ppm) • ± 50ppm accuracy ± 2.5% m.v. upto 1000ppm. • ± 50ppm accuracy ± 3% m.v. upto 1000ppm. * Different part number

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I/O

Inputs	(3) Universal inputs that can be configured as Thermistor or Analog IN

PoR +
PoR -
Universal Input 3
Ground

Universal Input 1
Ground
Universal Input 2
Ground

WALL PLATE

Dimensions 123mm x 123mm

ORDERING INFORMATION

MySense (without CO2)	7X-TS-C6K-X
MySense (with CO2)	7X-TS-C6K-C2

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