

## SPEC SHEET

# 75F<sup>®</sup> MyStat

A smarter, simpler way to deliver zone and two-stage equipment control



- Occupancy, temperature, and humidity in an intuitive, cost-competitive design
- Optimize comfort in multifamily units, hotel suites, or dormitories
- (4) Onboard relays
- (1) Analog outputs
- (1) Universal input

# 75F® MyStat

The 75F MyStat is comfort made simple. This compact, versatile thermostat is designed to bring affordable and efficient HVAC control to a wide range of spaces. With advanced temperature, humidity, and occupancy sensing, MyStat optimizes energy use in hotels, dorms, and other guest-facing settings.

MyStat integrates seamlessly into the 75F ecosystem, providing reliable control for up to two stages of heating/cooling/fan, as well as single-modulating output. Its approachable design, energy-saving features, demand response capability, and advanced connectivity all ensure maximum adaptability and a cost-competitive zone interface.



## OVERVIEW

Functional, efficient, and affordable, the MyStat is designed for multi-unit applications where optimizing comfort, performance, and cost is required. Key features include 4 relays, 1 universal input, and 1 analog output, with a built-in occupancy sensor for Auto-Away and Auto-Forced Occupied sequences to save energy in unused spaces.

## KEY FEATURES

- **Energy Efficiency Through Automation:** Advanced occupancy sensing ensures optimal comfort when spaces are in use and reduces energy waste when unoccupied.
- **Compact and Adaptable Design:** MyStat is tailored for versatile HVAC setups, providing reliable control without intrusive equipment.
- **Seamlessly integrates into the 75F ecosystem via a robust wireless mesh network.**
- **Enhanced Connectivity:** Features RS485 communication for wired BACnet and Modbus integration and support for wireless door/window sensors for additional automation.
- **Effortless Updates:** Over-the-air firmware updates through the 75F Central Control Unit (CCU).
- **Low Power Consumption:** Built to minimize energy usage for sustainable operation.

## COMPATIBLE APPLICATIONS

- 2 Pipe Fan Coil Unit
- 4 Pipe Fan Coil Unit
- Rooftop Package Unit
- Heat Pump Unit



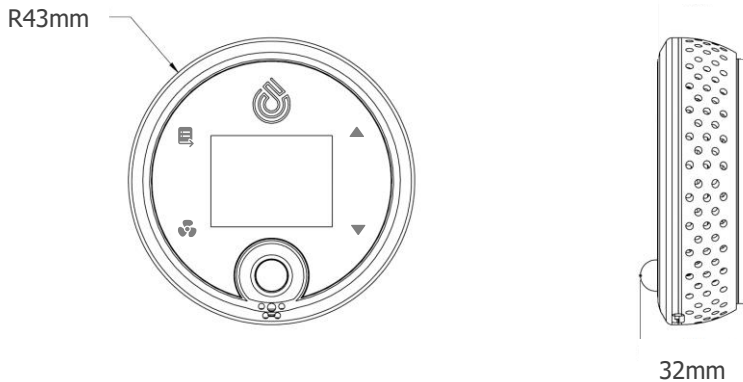
# 75F® MyStat

## MECHANICAL

**Dimensions** 43mm Radius x 32mm Wide

**Mounting** Wall mount

**Screen** LCD, 1.8"



## SENSORS

**Temperature** Operating range between 32°F – 122°F (0 – 50°C); typical accuracy of +/- 1 °F or 0.2°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

## WIRE SAVER

Wire savers are commonly used in retrofitting HVAC systems to eliminate the need for adding new wiring, such as the common wire (C-wire), when upgrading to smart thermostats. They simplify installation in older systems, reduce retrofit costs, and ensure compatibility without extensive rewiring. This makes them a practical solution for modernizing existing HVAC setups. The MyStat includes onboard circuitry to enable the use of a wire saver. This is enabled or disabled using the short links in the device.

## I/O

**Inputs** (1) Universal input which can be configured as Thermistor or Analog IN

**Outputs** A. (1) 0-10V dc or 4-20mA analog outputs (factory setting)  
B. (4) relays rated at 0.3A, 120V ac or 1.0A, 24 V ac/dc resistive load

## ELECTRICAL

**Power** 24V AC/DC (+/-15%) with nominal power consumption of less than 0.3W

## COMMUNICATIONS

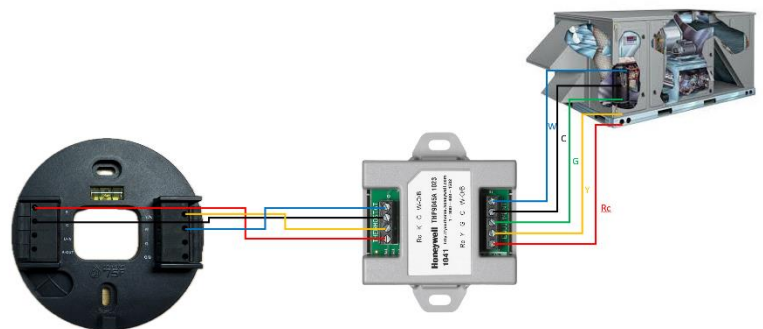
**Bluetooth** Bluetooth (BLE4.1) for commissioning, location analysis or communication to wireless sensors\*

**Mesh** 902-928 MHz IEEE 802.15.4-compliant for communication to CCU

**Wired** Industry standard RS485 for Modbus or BACnet. Mode – Server/Slave

## Ordering Information

| Part Number  | Description                     |
|--------------|---------------------------------|
| 7X-TS-C2K-X  | MyStat V1 (75F)                 |
| 7C-TS-C2K-X  | MyStat V1 (Carrier)             |
| 7X-TS-C4K-C2 | MyStat V2 (75F with CO2)        |
| 7X-TS-C4K-X  | MyStat V2 (75F without CO2)     |
| 7C-TS-C4K-C2 | MyStat V2 (Carrier with CO2)    |
| 7C-TS-C4K-X  | MyStat V2 (Carrier without CO2) |



## FCC Compliance Statement (USA)

**FCC ID: 2AVZO-101644**

**Compliance Statements:** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including, an interference that may cause undesired operation.

**Caution Statements:**

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

## Industry Canada (IC) Compliance Statement

**IC ID: 25972-101644**

**Compliance Statements:** This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: 1) This device may not cause interference., 2) This device must accept any interference, including interference that may cause undesired operation of the device.

**Déclarations de conformité:** Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**Caution Statements:**

- This equipment complies with radio frequency exposure limits set forth by Industry Canada for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders.

**Déclarations de mise en garde:**

- Cet équipement est conforme aux limites d'exposition aux radiofréquences définies par Industrie Canada pour un environnement non contrôlé.
- Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance dispositif et l'utilisateur ou des tiers.

## INFORMATION TO THE USER

For Class A and Class B digital devices, information to the user is required to include the following statements (Section 15.105):

For a Class A digital device or peripheral, the instructions furnished to the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

For a Class B digital device or peripheral, the instructions furnished to the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.