

ClimaVision MyStat

Part # 7C-TS-C2K-X

A smart, simple way to deliver zone and two-stage equipment control



- Occupancy, temperature, and humidity in an intuitive, cost-competitive design
- TFT LCD display with illuminating user buttons
- (4) Onboard relays
- (1) Analog output
- (1) Universal input



ClimaVision MyStat (7C-TS-C2K-X)

The ClimaVision 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 ClimaVision 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 single-zone 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 temperature, humidity, and occupancy sensor. Perfect for small RTUs, Heat Pumps, PTACs, and Fan Coil Units.

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.
- Enhanced Connectivity:
 - Features **wired RS485** communication as an option to wireless mesh as needed and for integration to other systems via Modbus and BACnet (coming soon)
 - **Bluetooth LE** for connecting to other BLE sensors like Wireless Door/Window Sensor or the Wireless Multi Sensor, which are coming soon.
- Low Power Consumption: Built to minimize energy usage for sustainable operation.

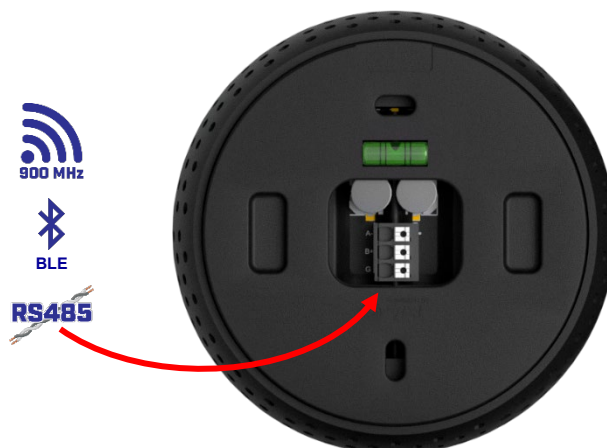
ADDITIONAL FEATURES

- Seamlessly integrates into the ClimaVision ecosystem via a robust wireless mesh network.
- Commissions and communicates with the CCU in just minutes with Bluetooth pairing
- Over-the-air firmware updates through the ClimaVision Central Control Unit (CCU)

EQUIPMENT CONTROL

Supports staging of up to two stages of cooling or heating. Up to two stages of fan or fully modulating.

- 2 Pipe Fan Coil Unit
- PTAC Units
- Rooftop Package Unit
- 4 Pipe Fan Coil Unit (coming soon)
- Heat Pump Unit



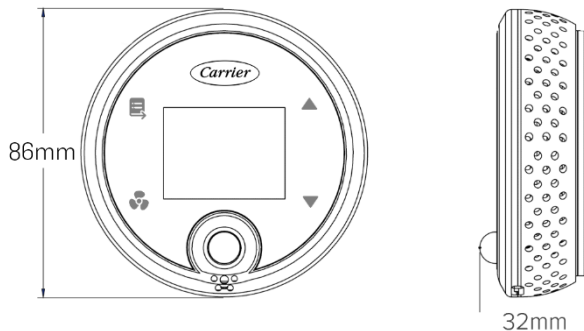
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MECHANICAL

Dimensions 3-3/8" Diameter x 1-1/4" Depth
86mm Diameter x 32mm Depth

Mounting Wall mount

Screen TFT LCD, 1.33"



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

RECOMMENDATION - 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 shortlinks in the device.

I/O

Inputs (1) Universal input which can accept Thermistor (NTC 10K Type 2), 0-10VDC, or Dry Contact. (Can be configured as: Supply Air Temp, Generic Alarm NO or NC, Key Card Sensor, or Door/Window Sensor.

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

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

Wired Industry standard RS485 for Modbus or BACnet (coming soon). Mode – Server/Slave

