



ClimaVision

MyStat v2 IAQ

Part # 7C-TS-C4K-C2

A Smart, Simple Way To Deliver Zone And Two-stage Equipment Control with IAQ

The ClimaVision MyStat v2 IAQ is a compact smart thermostat designed for versatile HVAC control across offices, retail, healthcare, places of worship, restaurants, schools, and hospitality settings. Engineered for multi-unit environments where balancing occupant comfort and operational cost is essential, it provides reliable control and flexibility for up to five outputs. The MyStat v2 IAQ provides the necessary control for a variety of single-zone equipment. A core component of the Carrier ClimaVision ecosystem, MyStat v2 IAQ balances an approachable design with energy-saving automation to enable maximum adaptability.

Features and Benefits

Flexible Equipment Control: Supports a variety of single-zone equipment with (3) dedicated relay outputs and (2) universal outputs that can be configured to meet various equipment configurations as relays or analog outputs.

Enhanced Connectivity: As a native part of the ClimaVision ecosystem, it delivers rapid Commissioning via Bluetooth pairing and communicates with the Central Control Unit (CCU) over a secure 900 MHz wireless mesh network.

Versatile Wired Options: Provides wired RS485 communication for integration to building automation systems via Modbus and BACnet (Client/Server mode coming soon).

Wireless ClimaVision Sensor Support: Equipped with Bluetooth LE for connecting to other BLE sensors like the Wireless Door/Window Sensor or the Wireless Multi Sensor. Up to 7 wireless sensors can be paired to a single zone device.

Advanced IAQ Sensing: Features onboard sensors for temperature, humidity, occupancy, and CO2 sensing for enhanced indoor air quality monitoring.

Retrofit-Friendly Wiring: Includes onboard circuitry to support wire savers, designed to eliminate the need for new cabling or C-wires in existing installations.

Comprehensive I/O Support: Features (1) universal input that can be configured for a variety of sensors including thermistors and dry contact inputs.

Intuitive Interface: Features a 1.8" TFT LCD display with illuminating user buttons for a functional and approachable user experience.

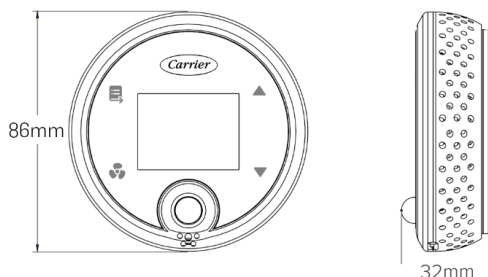
Future-Proof Maintenance: Supports over-the-air (OTA) firmware updates through the ClimaVision CCU to maintain system security and feature parity.



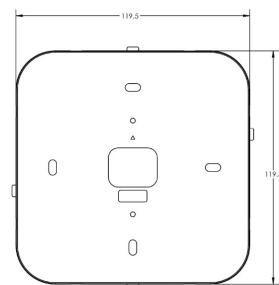
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Specification	
Compatible Equipment	Rooftop Package Unit, Heat Pump Unit, PTAC Units, 2 Pipe Fan Coil Unit, and 4 Pipe Fan Coil Unit
Screen	LCD, 1.8"
Temperature	Operating range between 32°F – 122°F (0 – 50°C); typical accuracy of +/- 1 °F or 0.5°C
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* (Different part number)	400 - 5000ppm ± 50ppm accuracy ± 2.5% measured value up to 400 - 1000ppm ± 50ppm accuracy ± 3% measured value up to 1001 - 2000 ppm
Power	24V AC/DC (+/-15%) with nominal power consumption of less than 0.3W
Bluetooth	Bluetooth (BLE 5.1) for commissioning, location analysis or communication to wireless sensors
Wireless Mesh	906-924 MHz IEEE 802.15.4-compliant for communication to CCU 868.3MHz IEEE 802.15.4-compliant for EU region
Wired	Industry standard RS485 for Modbus or BACnet (coming soon)
Inputs	(1) Universal input which can accept Thermistor (NTC 10K Type 2), 0-10VDC, or Dry Contact. (Can be configured as: Discharge Air Temp, Generic Alarm (N/O or N/C), Key Card Sensor, or Door/Window Sensor (N/C or AI), or Fan Run Status (N/O or N/C)
Outputs	(3) Digital/Relay outputs rated at 0.3A, 120V ac or 1.0A, 24 V ac/dc resistive load (2) Universal outputs configurable as Relay (0.3A, 120V ac or 1.0A, 24 V ac/dc resistive load) or 0-10 VDC
Trim Plate Dimensions	4.84 inches" x 4.84 inches" (123 mm x 123 mm)
Dimensions	3-3/8" Diameter x 1-1/4" Depth 86mm Diameter x 32mm Depth

Product Dimensions



Trim Plate Dimensions



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Configurations

The MyStat v2 IAQ v2 provides a highly flexible hardware footprint to accommodate diverse mechanical needs:

Configuration Type	Dedicated Relays (3)	Universal Outputs (2)	Total Control Points
Standard 5-Relay	3 Stages (Heat/Cool/Fan)	2 Additional Relays	5 Relays
Mixed Mode	3 Stages (Heat/Cool/Fan)	2 Analog (0-10V)	3 Relays / 2 Analog
Hybrid Staging	3 Stages (Heat/Cool/Fan)	1 Relay / 1 Analog	4 Relays / 1 Analog

Inputs/Outputs (on base plate)

