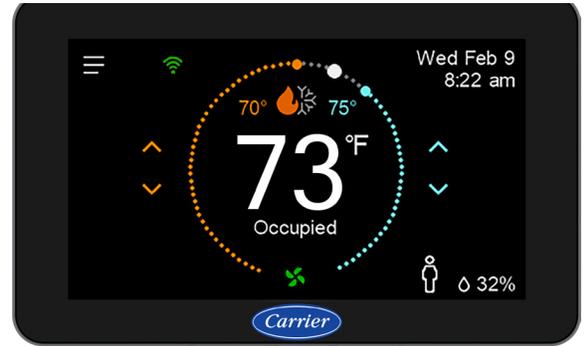# i-Vu® Building Automation System
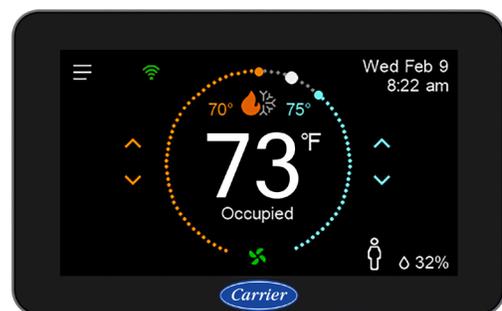## Connect™ ProF Thermostat

Part number: 33TCSPF-4

The Carrier Connect™ ProF Thermostat is an advanced 24VAC commercial touchscreen thermostat designed to provide intelligent control over your building's HVAC system. It offers robust connectivity via its intuitive mobile app, web interface, and comprehensive BACnet integration (MS/TP or Wi-Fi® IP), supporting optimized operation within the Carrier i-Vu building automation system or any BACnet-compliant BMS.

Features and Benefits

- **BACnet Integration:** Integrates effectively with Carrier i-Vu or BACnet-compliant Building Automation System via MS/TP or Wi-Fi® IP, facilitating centralized control and data exchange.

- **Flexible HVAC Application:** Supports a wide range of 24VAC HVAC equipment, including configurations up to 4-stage heating and 2-stage cooling, and fan coil units.

- **Advanced Scheduling & Energy Optimization:** Provides 7-day scheduling with up to 4 programmable periods per day, supporting optimized setpoints for energy savings and compatibility with demand response programs.

- **Input/Output Versatility:** Includes an analog input for remote temperature sensing/dry contact and a configurable analog output for precise water valve control or three-speed fan control.

- **User-Friendly Touchscreen Display:** Features a 4.3" full-color capacitive LCD with swipe and scroll functionality, designed for intuitive navigation and clear viewing from any angle.

- **Accurate Environmental Sensing:** Includes onboard temperature and humidity sensors, supporting remote temperature, outdoor air, or supply air sensors for precise climate management.

- **Over-the-Air (OTA) Software Updates:** Automatically receives updates via Wi-Fi, ensuring continuous access to the latest features and security enhancements without manual intervention.

- **Remote Management & Setup:** Offers control and configuration via a smartphone app or web portal from various locations.

- **Easier Installation & Commissioning:** Features rapid 3-second boot time , screwdriver-free, spring-loaded connectors, and faster commissioning via Bluetooth for streamlined setup.

- **Reliable Operation & Monitoring:** Maintains settings in non-volatile memory after power interruptions and delivers critical alerts for system faults and events.

- **Modern, Discreet Profile:** Its slim design allows for easy blending into any building's decor.

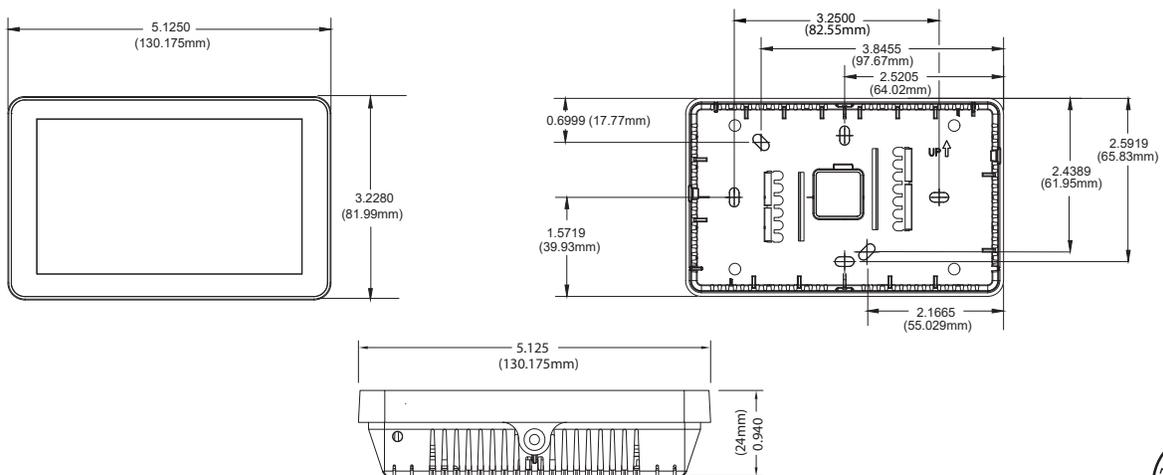Visit connectstat.carrier.com and create an account.

Connect™ ProF Thermostat

Part number: 33TCSPF-4

Specifications

BACnet Conformance	Conforms to the BACnet Application Specific Controller (B-ASC) as defined in BACnet 135. Tested to and listed to Protocol Revision 18.
Power Requirements	**R,C** 24 Vac 50/60 Hz @ 6VA
Network Requirements	Wi-Fi connectivity supports Wi-Fi: 802.11 a/b/g/n standards on 2.4 GHz networks
Communications	**A+, B** Wired BACnet MS/TP, Wireless BACnet over Wi-Fi, BLE Commissioning
Display	Color Capacitive Backlit Touchscreen, °F or °C Selectable
Input	**T (Max One Terminal - Select from one of the below options)** Remote Temperature Sensor 10K Type II. Software selectable for: • Remote Temperature (33ZCT55SPT) • Outside Air Temperature (33ZCSENOAT) • Duct Temperature (33ZCSENSAT) • Dry Contact Input= Occupancy or Filter Status or Door Contact or Economizer Fault
Outputs	**AO, Others** Minimum Load = 1000 ohms Maximum Load = 1.25 A, 50% power factor
Environmental Operating Range	32° to 104°F (0° to 40°C), 10 to 95% relative humidity, non-condensing
Compliance	FCC Part 15, Subpart J Title 24, 2022 Part 6 (OpenADR 2.0b), IECC 2015
Physical	Dimensions: (H x W x D): 3.23 in. (82mm) x 5.13 in. (130mm) x .94 in. (24mm) Weight: approximately .75 lb (340g)
Mounting	Wall mount on a horizontal standard 4" x 2-1.2 x 2" electrical box

Get the Carrier Connect Thermostat App at:

For more information, contact your local Carrier Controls Expert.

Controls Expert Locator:
www.carrier.com/controls-experts