SUBMITTAL SHEET

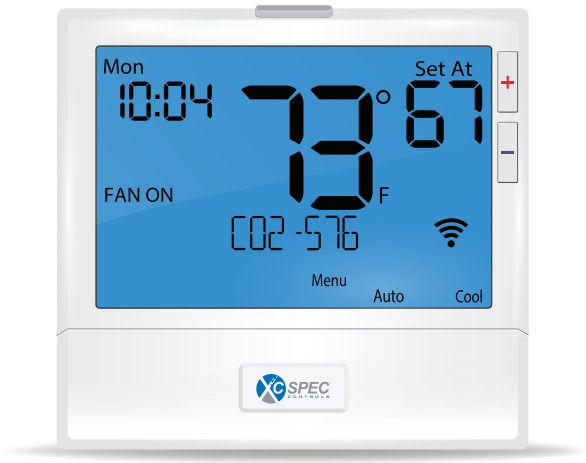
Job Name:	Location:
Name:	Date:
Engineer:	Notes:
Representative:	
Mechanical Operator:	
Type of Job: RNC ☐ R&R ☐ Commercial ☐	

AQ TstatPro+

TST-AQT-03

Residential/Commercial

Hardwire Only



CloudBEAM and AQ Installer App Available
Supports Up to 2 Heat / 3 Cool Conventional Systems
Supports Up to 5 Heat / 3 Cool Heat Pump Systems
Embedded CO_2 Sensor
Hardwire 0–10V / 2–10V DCV Output
Economizer Alarm Input – Displays Alerts on the Thermostat
Powered Exhaust Ready – Provides Space Pressure Control
Wired Occupancy Through Repurposed B or O Relay
Occupancy Override Button
Wired or Wireless Communication to Remote Equipment
CO_2-Based Ventilation Mode – Activates the Fan When CO_2 Exceeds the Set Threshold
ERV Compatible Output – Supports Relay or Analog Output
Add Up to 3 Additional Zones for Extended Control of CO_2, Pressure, Temperature, and Humidity
Supports Pre-Occupancy Purge

Application

The AQ TstatPro+ is designed for single-stage and multi-stage control of conventional and heat pump equipment. An embedded web server supports commissioning through a mobile device or PC. When configured with an economizer, the thermostat provides Demand Ventilation and Occupancy outputs to the economizer. The Economizer/FDD alarm output can be configured to provide annunciation on the front display. CO_2 parts per million (PPM) can also be configured for display on the front panel.

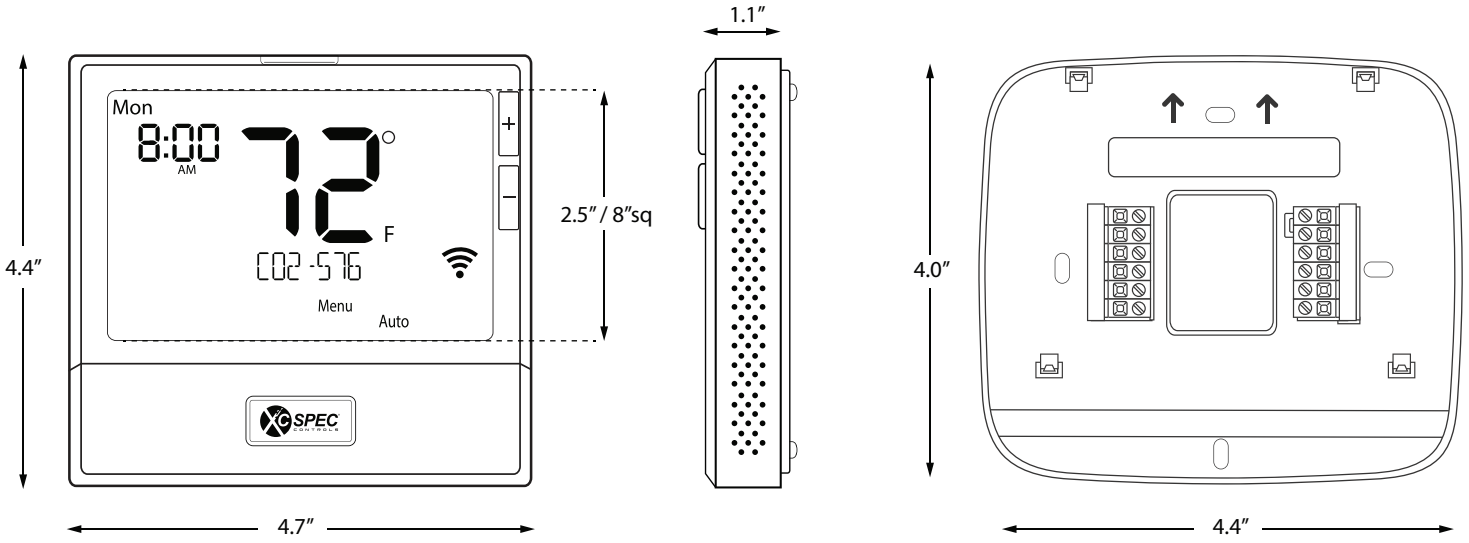
The AQ TstatPro+ provides wireless or wired communication to remote control equipment. Configure the thermostat to communicate with powered exhaust or economizer systems using Wi-Fi Direct or through a Wi-Fi connected access point. If RF penetration to the roof is not available, the thermostat can communicate over existing power lines using the RTU wLink+. The RTU wLink+ then provides a wired interface to the economizer or powered exhaust system.

Specifications

Terminal Designations	Rc, Rh, G, Y, Y2, C , O, B, W/E, W2, D, H, S1 (DCV Out), S2 (Econ alrm in)
Terminal Load Rating	1 amp per terminal, 1.5 amp maximum all terminals combined
Power Source	18 to 30 VAC, NEC Class II, 50/60 Hz for hardwire (common wire)
Display Range	41°F to 95°F (5°C to 35°C)
Control Range	44°F to 90°F (7°C to 32°C)
Display Accuracy	+/- 1°F
Cool Swing	Adjustable from 0.2°F to 2.0°F
Heat Swing	Adjustable from 0.2°F to 2.0°
CO^2 Accuracy	400-2000 +/- 50 ppm, 2001 - 5000 +/- 40 ppm
CO^2 Calibration	Auto Background or Manual Calibration options, Auto Altitude adusts
Radio Communications	IEEE 802.b/g/n
FCC	FCC CFR 47 Part 15 Subpart B 6100A-CU300
Warranty	5 year warranty

Product	Part Number	Operating Ambient Temperatures	Operating Relative Humidity	Physical Dimensions (inches)
AQ TstatPro+	9901-0021	32˚ to 105˚ F (0˚C to 41˚C)	90% Non-Condensing Max	4.7L x 1.1W x 4.4H
RTU wLink+	9901-3035	-4˚ to 149˚ F (0˚C to 65˚C)	N/A	1.75L x 0.75W x 0.5H

Measurements



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