

Job Name:	Location:
Name:	Date:
Engineer:	Mechanical Operator:
Representative:	Type of Job: RNC <input type="checkbox"/> R&R <input type="checkbox"/> Commercial <input type="checkbox"/>
<input type="checkbox"/> AQ Thermostat with indicator Panel 9901 - 0021	Notes:
<input type="checkbox"/> AQ Thermostat without indicator Panel 9901 - 0027	

## AQ TstatProPlus

### With and Without Indicator Panel

#### Residential/Commercial

Hardwire Only

Wi-Fi compatible with mobile devices  
for commissioning

Up to 2 Heat, 3 Cool Conventional

Up to 5 Heat, 3 Cool Heat Pump

Embedded CO2 sensor

Hardwire 0-10v/2-10V DCV Output

ERV Compatible with proportional CO2 Output

Wired OR Wirelessly LINK (WOWLink)

to remoted equipment

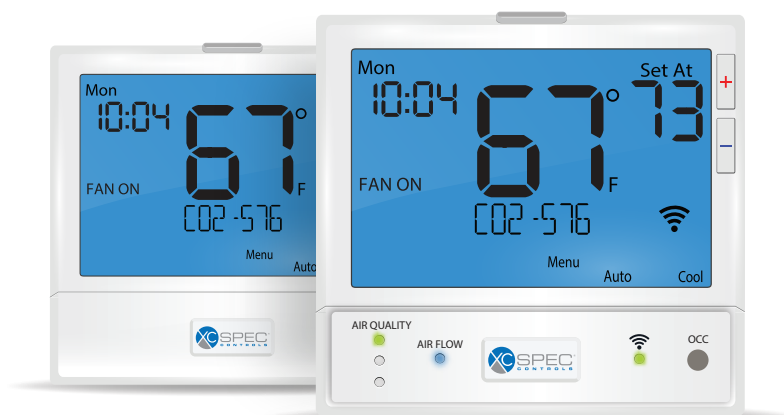
Economizer Alarm In - displays on thermostat

Powered Exhaust ready - provides space pressure

Wired Occupancy through repurposed B or O relay

Add up to 3 additional zones for extended control over

CO2, Pressure, Temperature / Humidity



## Application

The AQ TstatProPlus is designed for single stage and multistage control of conventional and heat pump equipments. An embedded Web Server supports mobile phone or PC commissioning. 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 annunciate on the front panel. CO2 parts per million can be configured to display on front panel. The WOWLink provides wireless or wired communications to remote control equipment. Configure the thermostat to communicate with the powered exhaust or economizer with Wi-Fi direct or over WiFi provided access point. If RF penetration to the roof is not available, WOWLink communicates over the thermostat power lines to AQ Bridge. The AQ Bridge then provides wired interface to the economizer or powered exhaust.

**\*\*This thermostat can be selected with or without the indicator panel on the front.**

## Specifications

Terminal Designations	Rc, Rh, G, Y, Y2, C, O, B, W/E, W2, D, H, S1 (DCV Out), S2 (Econ alarm 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°
CO2 Accuracy	400-2000 +/- 50 ppm, 2001 - 5000 +/- 40 ppm
CO2 Calibration	Auto Background or Manual Calibration options, Auto Altitude adjusts
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 TstatProPlus	9901 - 0027	32° to 105° F (0°C to 41°C)	90% Non-Condensing Max	4.7L x 1.1W x 4.4H
AQ TstatProPlus with indicator panel	9901 - 0021	32° to 105° F (0°C to 41°C)	90% Non-Condensing Max	4.7L x 1.1W x 4.4H
AQ Bridge <i>Required for WOWLink</i>	9901 - 3037	-4° to 149° F (0°C to 65°C)	N/A	1.75L x 0.75W x 0.5H

## Measurements

