# SUBMITTAL SHEET

| Job Name: | Location: |
|---|---|
| Name: | Date: |
| Engineer: | Mechanical Operator: |
| Representative: | Type of Job:   RNC ☐   R&R ☐   Commercial ☐ |
| ☐ AQ TstatPro+ with indicator Panel 9901-0021 | Notes: |
| ☐ AQ TstatPro+ without indicator Panel 9901-0027 | |

# AQ TstatPro+

**With and Without Indicator Panel**
**Residential/Commercial**
**Hardwire Only**
**CloudBeam and installer app available**
**Up to 2 heat, 3 cool conventional**
**Up to 5 heat, 3 cool heat pump**
**Embedded $CO_2$ sensor**
**Hardwire 0-10v/2-10V DCV output**
**Economizer alarm in - displays on thermostat**
**Powered exhaust ready - provides space pressure**
**Wired occupancy through repurposed B or O relay**
**Occupancy override button**
**Wired Or Wirelessly LINK (WOWLink) to remoted equipment**
**$CO_2$ based ventilation mode - runs fan when $CO_2$ over threshold**
**ERV compatible output - relay or analog out**
**Add up to 3 additional zones for extended control over $CO_2$, pressure, temperature / humidity**

## Application

The AQ TstatPro+ 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. $CO_2$ 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 RTU wLink+. The RTU wLink+ 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 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+ | 9901-0027 | 32˚ to 105˚ F (0˚C to 41˚C) | 90% Non-Condensing Max | 4.7L x  1.1W x 4.4H |
| AQ TstatPro+ 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 |
| RTU wLink+ *Required for WOWLink* | 9901-2037 | -4˚ to 149˚ F (0˚C to 65˚C) | N/A | 1.75L x  0.75W x 0.5H |

# Measurements

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