

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

RTUwLink

AQE-LNK-02

Advanced Rooftop Controller

Hardwire Only

- Integrates multiple building control functions into a single RTU solution.
- Advanced economizer control for improved energy efficiency and ventilation.
- Supports demand-controlled ventilation (DCV) using onboard CO₂ sensing.
- Monitors indoor and outdoor air quality, including temperature, humidity, CO₂, VOCs, and PM2.5.
- Tubeless building space pressure measurement and powered exhaust control.
- 0–10 V variable-speed supply fan control for optimized airflow.
- RTU monitoring with advanced compressor diagnostics and predictive maintenance.
- Fast commissioning and configuration through the AQ Installer App using Bluetooth® or Wi-Fi.



Application

The XCSpec RTUwLink is a compact, advanced RTU controller that integrates economizer, powered exhaust, and variable supply fan control into one easy-to-install solution. When paired with XCSpec thermostats, the RTUwLink communicates over the thermostat power wires or wirelessly using industry-standard IEEE 802 communications—no custom gateways required. Setup is fast with the AQ Installer App using a simple QR code, and while RTUwLink is cloud - ready, it can install and operate without a cloud connection.

Specifications

Power - Hardwire	24VAC, 60 Hz, 35 mA
Two 0-10V PI Control Outputs	Powered Exhaust, Supply Fan
One 0-10/2-10V Output	Actuator Drive Out
One 0-10v/2-10V Input	Actuator Position In
One 10K-2 Input	10K Type II / Dry Bulb
BLE Wireless Input	Up to 10 Temp inputs
Sensor Bus I2C Extension Port	Smart Bulb and Power Measurement

Product	Part Number	Operating Ambient Temperatures	Operating Relative Humidity	Physical Dimensions (inches)
AQ TstatPro+	TST-AQT-01	32° to 105° F (0°C to 41°C)	90% Non-Condensing Max	4.7L x 1.1W x 4.4H
TstatPro+	TST-PLU-01	32° to 105° F (0°C to 41°C)	90% Non-Condensing Max	4.7L x 1.1W x 4.4H
AQ Outdoor	AQE-XMT-01	-20°C to 85°C	6.7 oz In RTU Mounting	3.14L x 2.16 W x 3.23H

Measurements

