

Job Name:	Location:
Name:	Date:
Engineer:	Mechanical Operator:
AQ Indoor PN: 9901-3043	Notes:
Type of Job: RNC <input type="checkbox"/> R&R <input type="checkbox"/> Commercial <input type="checkbox"/>	

AQ Indoor™

An enhanced ventilation and air quality monitor for schools and offices

- **Active room CO₂ sensor with automatic self-calibration**
- **Measuring range: 0–5000 parts per million (ppm)**
- **0–10V / 2–10V demand ventilation control (DCV) output**
- **At-a-glance indicators for CO₂, space pressure, and Wi-Fi connectivity**
- **Easy setup using a mobile device**
- **Records the last 7 days of high CO₂ readings**
- **User Read Only app displays CO₂ levels in ppm on an EPA-approved scale**
- **Free email alerts**
- **24V AC/DC Class 2 wiring**
- **Fast, easy installation—small and lightweight design**
- **Operating range: -20°C to +85°C**
- **Supports individual space pressure measurement (requires AQ Outdoor™)**
- **Compatible with MicroMetl® powered exhausts**



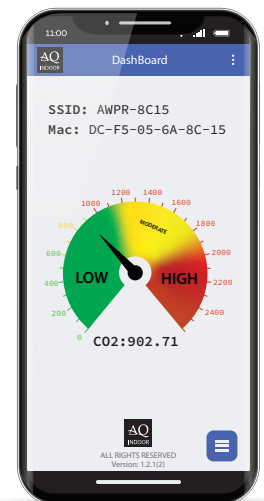
AQ Indoor™
Installs in Tenant Space
CO2 Sensor with Optional
Space Pressure

Applications

AQ Indoor™ is an innovative platform designed with advanced ventilation controls for active air quality and pressure management. The unit can operate as a standalone air quality monitor or work with economizers and powered exhausts to reduce energy costs while ensuring indoor air safety.

The AQ Indoor™ includes advanced controls for Demand Control Ventilation (DCV). It can be wired to an economizer or directly to a motorized outside air input damper on an ERV to control intake air based on maintaining a CO₂ PPM setpoint. Advanced control algorithms help limit actuator hunting and extend actuator motor life.

When commissioned with a MicroMetl® Powered Exhaust, the unit continuously measures space pressure relative to outside air pressure provided by the powered exhaust. The display range on the indicator panels can be set to remain solid while measuring between 0.01"–0.05" of water, indicating positive pressure and proper ventilation.



Specifications

Supply Voltage	19 - 28.8 V acdc
Current Consumption	Take approximately 30 mA @24 V dc
Wire Entry	Wire openings at the backside
Voltage Output	One 0-10V, 2-10V. Minimum load 10K ohms.

Automatic Altitude Adjustment

Measuring Range	0-5000 Parts Per Million (ppm)
Measuring Accuracy	+/- 50 ppm
Temperature Stability	T = 0.....50o C +/- 2.5 ppm/oC
CO2 Calibration	Maintenance free if Automatic Self Calibrating units (ASC) is enabled
Sensor Lifetime	15 years
Communications	IEEE 802.11b/g/n

Product	Part Number	Operating Ambient Temperatures	Operating Relative Humidity	Physical Dimensions (inches)
AQ Indoor	9901-3043	-4° to 149° F (0°C to 65°C)	5 oz Wall mount	3.25L x 1.25W x 3.25H
RTU iLink+ works with Powered Exhaust	9901-3035	-4° to 149° F (0°C to 65°C)	4 oz In RTU Mounting	1.75L x 0.75W x 0.5H
RTU wLink+ <i>Required for WOWLink</i>	9901-3037	-4° to 149° F (0°C to 65°C)	4 oz In RTU Mounting	1.75L x 0.75W x 0.5H
AQ Outdoor	9901-2053	-20°C to 85°C	6.7 oz In RTU Mounting	3.14L x 2.16 W x 3.23H

Measurements

