



AQ Controls Limited

Carbon Monoxide Transmitter

Models CO-W and CO-K

PRODUCT DESCRIPTION

Most building codes require a very high ventilation rate in enclosed parking or areas involving vehicle repairs and operation. This must be provided during all hours of use.

Most codes allow fans to be operated intermittently as long as carbon monoxide (CO) level does not exceed 25 or 50ppm (check local code). A CO sensor can reduce fan energy costs by switching off or reducing ventilation when CO level is low.

The unit is a CO sensor/transmitter designed specifically for these applications. It delivers all the advantages of electrochemical sensing in a durable, long life (5-year) package and at attractive low price. The loop powered sensor delivers a linear 4~20mA output that is easily integrated into any building control, ventilation or alarm system.



Available in both Wall (CO-W) and Duct (CO-K) mounted models

FEATURES

- Using carbon monoxide electrochemical cell, the CO-unit offers fast and reliable measurements over a long period of time
- Measurement range: 0 - 100 ppm CO
- Two-wire 4-20mA linear output signal corresponding to the measurement range
- Long sensor life, up to 5 years
- Cost-optimized and loop powered for direct connection to DDCs
- Easy sensor head replacement minimizes long term operating costs
- Optional measurement range (0 ~ 200ppm or 0 ~ 400ppm)
- Optional terminals for temperature sensing elements such as PT1000 or NTC 10K.
- Optional duct mount (IP65) housing
Optional duct mount (-IP65) housing

SPECIFICATIONS

General

Sensing Method: Electrochemical
Sensor Rated Life: 5 years
Temp Operating Conditions: 0 to 50 oC
Humidity Operating Conditions: 0 to 90 %RH
Storage Conditions: -40 to 70 oC

Performance

CO Measurement Range: 0 to 100ppm
Repeatability: +/-5% of measured value
Linearity: +/-5% of measured value
Recommended Calibration: 12 months
Response Time: T90 =< 60 seconds
Warm Up time: less than 2 minutes

Power

Input: 18 ~ 30 VDC
Power consumption: 20mA

Outputs

Adjustment: Span
Output signal: 4 ~ 20mA
Terminal Wire Size: 16 ~ 22 AWG

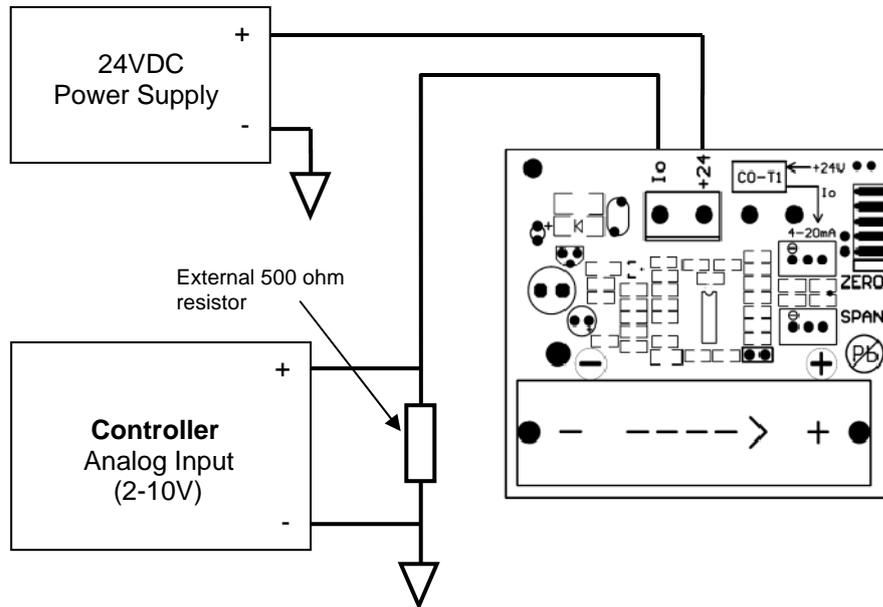
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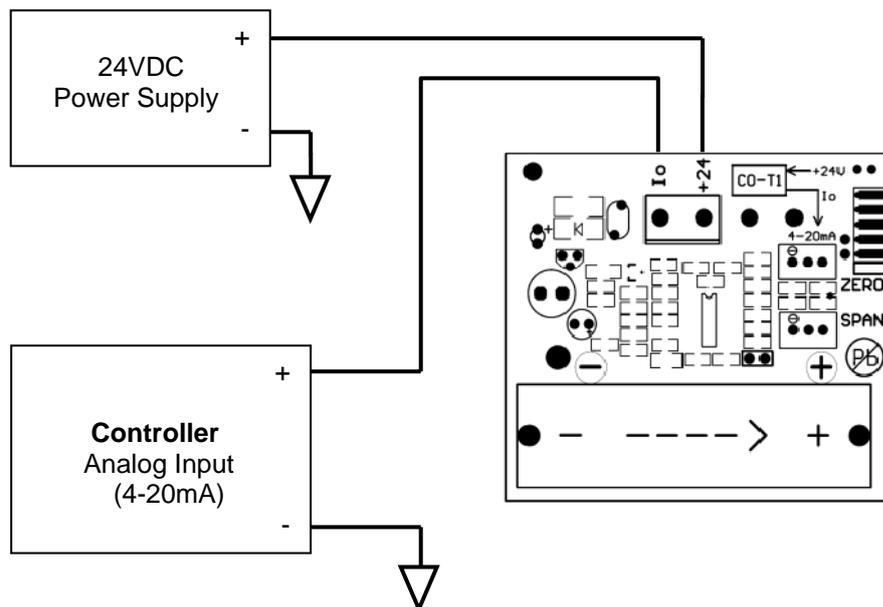
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WIRING

Controller with Voltage Input



Controller with 4 – 20mA Input



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