

AMC-400 Series Digital Sensor Modules

Armstrong Monitoring's AMC-400 Series digital sensor modules provide a fully addressable solution to work with our digital monitors.

Available in variants for CO, NO₂, and combustibles, the AMC-400 Series is ideally suited for larger vehicle exhaust applications, like parking garages, municipal works facilities, and warehouses.

Standard features include a digital display of gas concentration, which can be disabled. The integral SmartSensor 2 system is compatible with our EZ Cal Sensor Exchange Program, for simplified maintenance.

SPECIFICATIONS

Detectable Gases: CO, NO₂, or Combustibles

Outputs: Modbus RTU

Wiring: 4 Wire - 2 power + 2 communication
(shielded, twisted, 120Ω impedance)

Connection: RS-485

Enclosure: Polycarbonate/ABS blend

Supply Voltage: 12-24 VDC

Dimensions: 11.77 cm W x 5.97 cm H x 13.83 cm L
(4.64" W x 2.35" H x 5.45" L)

Operating Temperature: -20°C to 40°C (-4°F to 104°F)

Warranty: Two years (sensors excluded)

Indicators: LCD Gas Concentration
LED for Sensor, Trx Operation, Fault

Coverage Area: Approx. 7500 sq. ft. (50' radius)

Recommended Mounting Height

CO/NO₂ : 4-5' A.F.F.

Combustibles: Consult Factory



FEATURES

- Concentration Display
- Eligible for EZ Cal Sensor Exchange Program
- Automatic calibration reminder
- Sensor "End of Life" Warning

SENSORS

Carbon Monoxide (AMC-400-CO or AMC-400-CO-HC)

Range: 0-100 ppm (or 0-200 ppm)

Sensor Type: Electrochemical

Life Expectancy: 5 years

Nitrogen Dioxide (AMC-400-NO₂)

Range: 0-10 ppm

Sensor Type: Electrochemical

Life Expectancy: Better than 2 years

Combustibles (AMC-400-XXX)

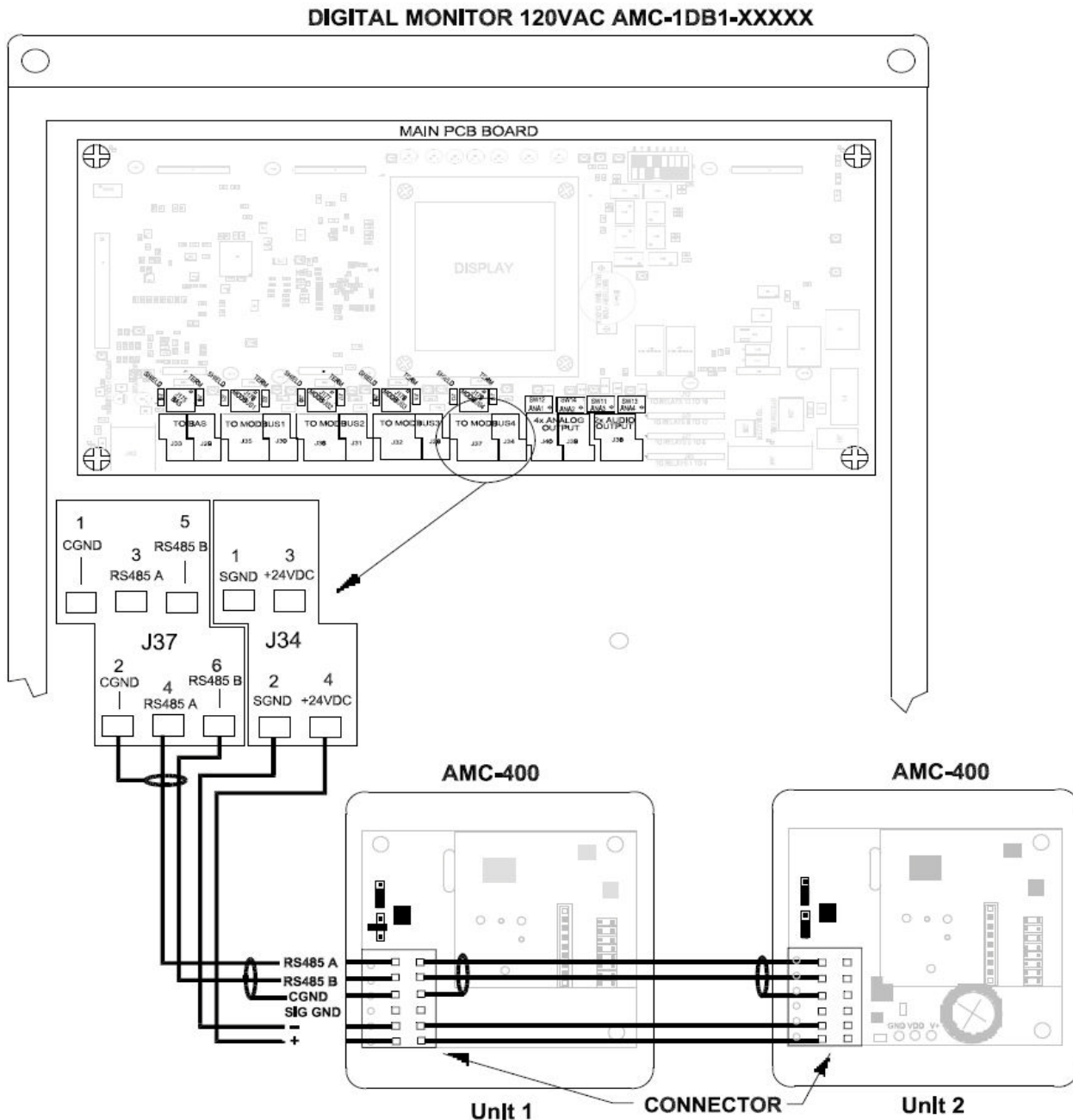
Range: 0 to <100% LEL (CH₄, C₃H₈, or H₂)

Sensor Type: Catalytic

Life Expectancy: Better than 2 years



AMC-400 Series Wiring



Warranty: All Armstrong Monitoring equipment is warranted against defects in materials and workmanship for two years from date of delivery, with the exception of sensors. Please contact factory for specific sensor warranty. During the warranty period, we will repair or replace components that prove, in our opinion, to be defective. We are not liable for auxiliary interfaced equipment, nor consequential damage. All warranty returns require a return authorization number. For more information please refer to our Terms & Conditions.

Note: Due to ongoing product development, the manufacturer reserves the right to change specifications without prior notice. The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data.

A variety of factors, not limited to variances in temperature, humidity, pressure, vibrations, EMI/RF may impact on the performance of the equipment. Testing within harsh or unusual environments is recommended. Please contact the factory for assistance with field validation trials.

Published sensor data was obtained using a raw sensor in controlled conditions; actual performance may vary due to site conditions.

