

AMC-UTX-M Series Modbus® Transmitter Module

Based on Armstrong Monitoring's UTX-M-400 Series transmitter, the UTx-M provides an expanded Modbus register set to provide improved data collection when combined with our next generation monitors.

Designed to enhance safety, reliability, serviceability, and user experience, the AMC-UTx-M is the ideal solution for parking garages, municipal works facilities, warehouses, or other vehicle exhaust application.

The integral sensor module(s) are easily changed, and are eligible for the EZ Cal™ service program, taking the work and risk out of maintaining your gas detection system.

SPECIFICATIONS

Detectable Gases

CO, NO₂, Combination CO/NO₂, O₂, Combustibles.

User Interface

Keypad: 3 Button

Indicators: OLED Display (8 lines x 20 characters)

LEDs for Sensor, Operation, Fault

Outputs: Modbus RTU

Electrical

Supply Voltage: 12-24 VDC

Wiring: 4 Wire - 2 power + 2 communication.

Power: 16-18 AWG shielded with drain wire

Communication: 18-22 AWG shielded with drain wire

Connection: RS-485.

Mechanical

Enclosure: Polycarbonate Blend

Dimensions: 11.8" L x 10.0" W x 5.5" H (300mm x 254mm x 140mm)

Operating Temperature: -4°F to 102°F / -20°C to 40°C

Application

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

Recommended Mounting Height:

CO/NO₂/O₂ - 4.5 ft. A.F.F.

Combustibles - Consult Factory



FEATURES

- Patent pending ADAPTiCal™ algorithm ensures calibrations are optimized for the unique operating conditions of each sensor
- Includes Temp, RH, and Pressure sensing
- Sensors are temperature compensated throughout operating range for accuracy
- Programmable service reminders
- Available Dual Sensor Configuration
- EMI hardened and protected against over-voltage and polarity reversal
- Configurable on board 2A, 30VDC SPDT Relay
- 2 Year Warranty (sensors excluded)
- CO/NO₂ Sensors certified to UL 2075, File No. E2406971

COMMON VARIANTS

AMC-UTx-M-91A01-N-R-0000

Modbus RTU Transmitter, CO, 0-100 ppm, Relay

AMC-UTx-M-98A01-N-R-0000

Modbus RTU Transmitter, NO₂, 0-10 ppm, Relay

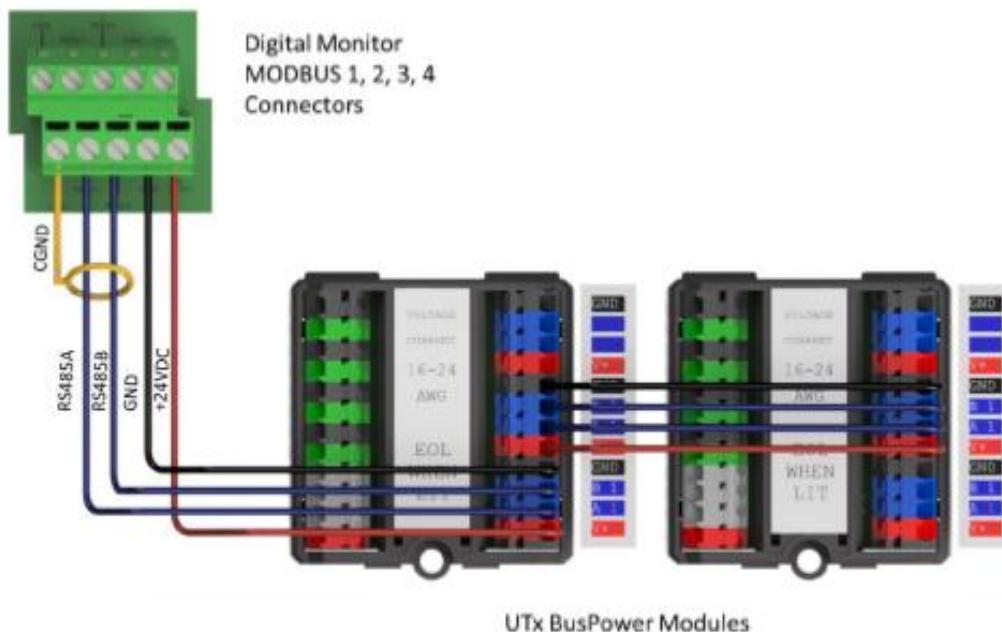
AMC-UTx-M-VCA01-N-R-0000

Modbus RTU Transmitter, Combination CO & NO₂ Sensor, Relay





AMC-UTx-M Wiring



AMC-UTx-M Internal View



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.