

# AMC-UTX-M-400 Series Modbus® Transmitter Module

Armstrong Monitoring's UTX-M-400 Series transmitter represents a paradigm shift in how gas detection equipment is designed and used.

Designed to enhance safety, reliability, serviceability, and user experience, the AMC-UTx-M-400 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, NO<sub>2</sub>, or Combination CO/NO<sub>2</sub>

### User Interface

**Keypad:** 3 Button

**Indicators:** OLED Display (8 lines x 20 characters)  
LEDs for Sensor, Trx 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:** 11.77 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

### Application

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

**Recommended Mounting Height:** CO/NO<sub>2</sub> : 4-5 ft. A.F.F.



## FEATURES

- Patent pending ADAPTiCal™ algorithm ensures calibrations are optimized for the unique operating conditions of each sensor
- 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 SPDT Relay
- 2 Year Warranty (sensors excluded)

## COMMON VARIANTS

### AMC-UTx-M-91A01-N-R-0400

Modbus RTU Transmitter, CO, 0-100 ppm, Relay, works with AMC-1DBx

### AMC-UTx-M-98A01-N-R-0400

Modbus RTU Transmitter, NO<sub>2</sub>, 0-10 ppm, Relay, works with AMC-1DBx

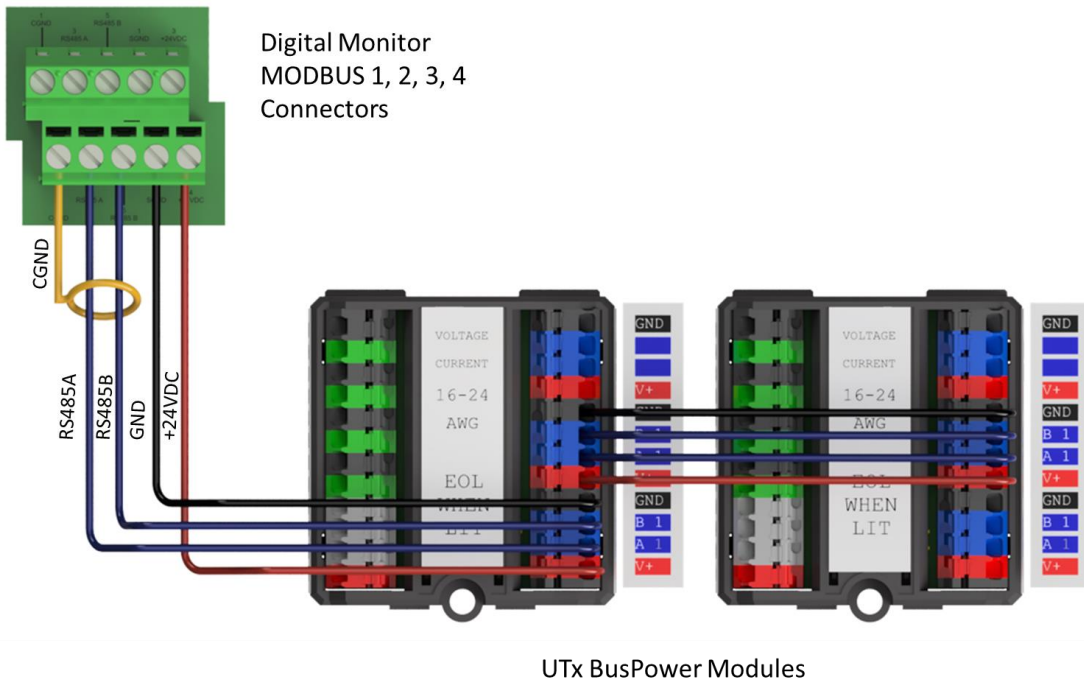
### AMC-UTx-M-VCA01-N-R-0400

Modbus RTU Transmitter, Combination CO & NO<sub>2</sub> Sensor, Relay, works with AMC-1DBx

### AMC-UTx-M-91A01-98A01-R-0400

Modbus RTU Transmitter, CO, 0-100 ppm, NO<sub>2</sub>, 0-10 ppm, Relay, works with AMC-1DBx

## AMC-UTX-M-400 Wiring



## AMC-UTX-M-400 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.