AMC-UTX-REF Series Refrigerant Transmitter Module

Armstrong Monitoring's UTX-REF 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-REF supports ability to have both high concentration (%LFL) and low concentration (PPM) sensors on one transmitter.

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

User Interface

Keypad: 3 Button

Indicators: OLED Display (8 lines x 20 characters)
LEDs for Sensor, Operation, Fault

Outputs: Supports Analog (4-20mA), Modbus RTU or BACnet MSTP

Electrical

Supply Voltage: 12-24 VDC

Wiring:

4-20mA Output: 3 Wire, 16-18AWG

BACnet or Modbus Output:

4 Wire - 2 power + 2 communication.

Power: 16-18 AWG shielded with drain wire

Communication: 18-22 AWG shielded with drain wire

Mechanical

Enclosure: Polycarbonate Blend

Dimensions: 4.64" W x 2.35" H x 5.45" L
(120mm x 60mm x 140mm)

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

MADE IN CANADA
FABRIQUÉ AU CANADA



FEATURES

- Patented 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
- EMI hardened and protected against over-voltage and polarity reversal
- Configurable On-board 2A SPDT Relay
- 2 Year Warranty (sensors excluded)



AMC-UTx-REF Series Build Code

AMC- [UTx] - [REF] - [ ] - [ ] - [ ] - [ ] - [ ]

HW Platform	
Universal Transmitter	UTx

Gas Type	
Refrigerants	REF

Interface Options	
BACnet	B
Modbus	M
Analog Out (4-20mA)	A

Channel 2 Range	
P	ppm
F	%LFL

Channel 2 Configuration	
MPN	Code
Sensor Module	Refrigerant Code
Not populated	N

Channel 1 Range	
P	ppm
F	%LFL

Channel 1 Configuration	
MPN	Code
Sensor Module	Refrigerant Code
Not populated	N

Sensor Module Part Number	Refrigerant Code	Safety Group	Range
AMC-SM-R123-P	R123	B1	0-2000ppm
AMC-SM-R1234ZE-P	R1234ZE	A2L	0-2000ppm
AMC-SM-R134Aa-P	R134A	A1	0-2000ppm
AMC-SM-R22-P	R22	A1	0-2000ppm
AMC-SM-R32-F	R32	A2L	0-100% LFL
AMC-SM-R32-P	R32	A2L	0-2000ppm
AMC-SM-R410A-P	R410A	A1	0-2000ppm
AMC-SM-R454B-F	R454B	A2L	0-100% LFL
AMC-SM-R454B-P	R454B	A2L	0-2000ppm
AMC-SM-R513A-P	R513A	A1	0-2000ppm

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.