

AMC-1BZ1/2 Series Single/Dual Channel Gas Monitor

The AMC-1BZ Series Gas Monitor provides a highly configurable monitoring package for a multitude of applications. Incorporating micro-controller based design, it provides accuracy, durability, and ease of use within a compact package.

The AMC-1BZ Series Monitor is configured to work with the AMC-122x family of sensor/transmitters.

SPECIFICATIONS

User Interface

Keypad: 3 Button

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

Electrical

Supply Voltage: 120VAC 60 Hz+ or 24VDC, 2A

Relay Contacts: 2 or 4 DPDT 10A @ 250 VAC Res.

Mechanical

Enclosure: UV Stabilized Polycarbonate

Flammability Rating: UL94V-0

IP Rating: IPx5 with optional AMC-1B-SG Splashguard

Dimensions: 11.750" L x 9.980" W (298.45mm x
253.49mm) X 5.460" (138.68mm)

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

Approvals:



FEATURES

- Alarms disabled during warm up
- System test option in Menu
- User selectable:
 - Activation Delays (5 mins)
 - Minimum Run Timer
- 95 dBa Audio Alarm
- Lockable enclosure with hinged door
- Analog (Voltage/Current) Output

Variants

AMC-1BZ1 Single Zone Gas Monitor

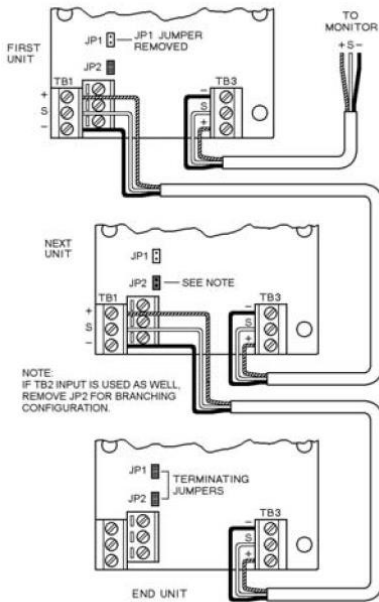
Supports 1 Zone of up to 10 x AMC-122x Sensors, 2 DPDT 10A Relays

AMC-1BZ2 Dual Zone Gas Monitor

Supports 2 Zones of up to 10x AMC-122x Sensors, 4 DPDT 10A Relays

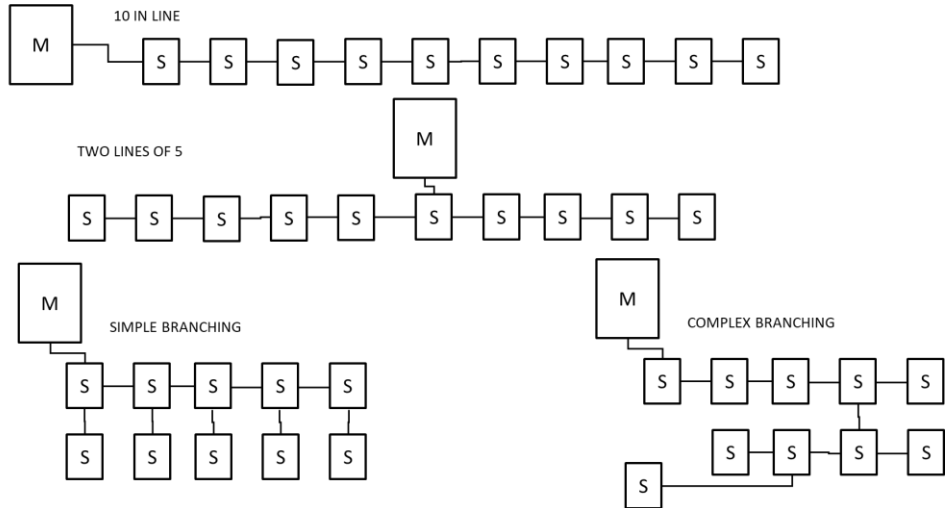
AMC-122x Series Wiring Diagrams

Wiring for AMC-1228 & AMC-1225

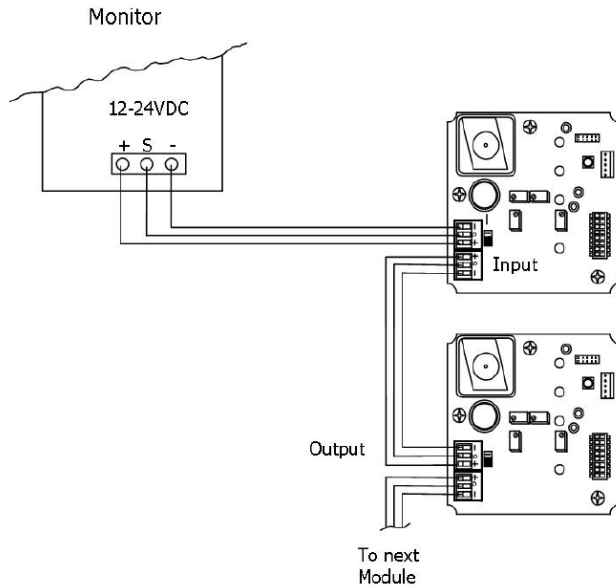


TYPICAL SYSTEM CONFIGURATIONS FOR ONE MONITOR AND 10 SENSORS.

LEGEND:
M = MONITOR
S = SENSOR MODULE (AMC-12XX)



Wiring for AMC-1222 (CO & NO₂)



Up to 10 1222 Modules can be daisy chained. Maximum of 150ft (45m) between each module.

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.