

AMC-1DBx Series

Digital Monitor

The AMC-1DBx Digital Monitor provides a versatile monitoring package for mixed vehicle applications. Incorporating digital communication with Armstrong's addressable AMC-400 Series transmitters, the 1DBx can offer huge savings in both installation and operations.

Available analog outputs can provide average or worst case signals for a group of sensors directly to a VFD, resulting in drastic improvements in the efficiency of the garage ventilation system. The standard Modbus and BACNET output allows the AMC-1DBx to communicate directly with most building automation systems.

SPECIFICATIONS

Enclosure: CSA Approved Steel Enclosure

Supply Voltage: 110 VAC or 24VDC

Relay Contacts: Up to 16 x DPDT 10A 120VAC
Resistive
Up to 255 w/ External Relay Modules

Dimensions: 12" x 12" x 6"

Weight: 7.18 kg (15.8 lbs)

Operating Temperature: -20°C to 50°C

Operating Humidity: 0-90% RH Non-Condensing

Sensor Types: AMC-400 Series Sensors

Sensor Capacity: Supports up to 988 Sensors
Supports up to 128 Sensor Zones
4 x RS-485 Interfaces to Transmitters

Outputs: 1x Ethernet (10/100 UTP) supporting;
BACNet/IP and BACNet/MSTP
1x RS-485 supporting;
MODBUS RTU
4 Analog Outputs Standard
Audible Alarm

Display: Graphics Color QVGA 320x240

Alarms: Up to 4 Alarm Levels per sensor

Activation Delay: Up to 5 mins (in secs.)

Minimum Run Time: Up to 60 mins (in mins.)

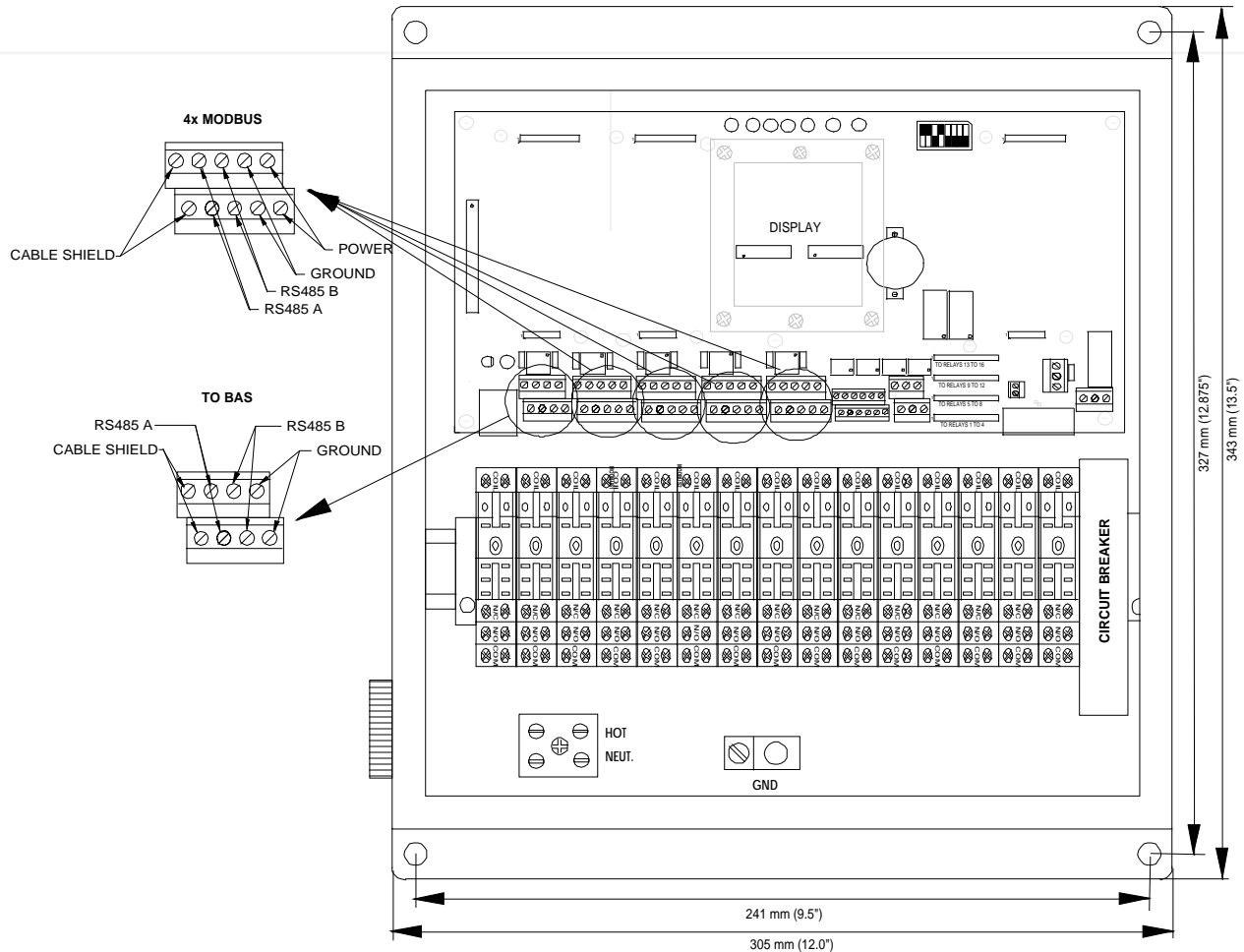


FEATURES

- Digital Concentration Display
- Rugged Steel Enclosure
- Available Zoned 4-20 mA Outputs can be tied back to variable drives and fan motors for significant energy savings over traditional "all or nothing" ventilation strategies
- Standard MODBUS and BACNet outputs can interface with most BAS systems
- Internal Programming Keys
- Serial Communication Port
- USB Flash Drive for Configuration and Back-Up
- Integral Power Supply Standard
- 85db Audio Alarm with Silence Switch
- Dedicated System Fail and Audio Relays
- RoHS Compliant



AMC-1DBx Series Internal View



AMC-1DBx Series Order Codes

Part Number	Description	Part Number	Description
AMC-1DB1-30000B	Gas Monitor, Nema 1, 120VAC 4 Integral DPDT Relays	AMC-1DB1-40000B	Gas Monitor, Nema 1, 24VDC 4 Integral DPDT Relays
AMC-1DB1-30000D	Gas Monitor, Nema 1, 120VAC 8 Integral DPDT Relays	AMC-1DB1-40000D	Gas Monitor, Nema 1, 24VDC 8 Integral DPDT Relays
AMC-1DB1-30000F	Gas Monitor, Nema 1, 120VAC 12 Integral DPDT Relays	AMC-1DB1-40000F	Gas Monitor, Nema 1, 24VDC 12 Integral DPDT Relays
AMC-1DB1-30000H	Gas Monitor, Nema 1, 120VAC 16 Integral DPDT Relays	AMC-1DB1-40000H	Gas Monitor, Nema 1, 24VDC 16 Integral DPDT Relays

