



SUBMITTAL DRAWING



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AMC-1AD1/2 Series Single/Dual Zone Monitor

The AMC-1AD Series Gas Monitor provides a highly economical monitoring package for multipoint vehicle exhaust monitoring applications.

Incorporating micro-controller based design; it provides accuracy, durability, and ease of use within a compact package. The AMC-1AD Series Monitor works with any combination of AMC-122X Series sensor modules, with up to 8 modules per zone.

The monitor delivers low cost and versatility, turning even the simplest job into big savings. It incorporates a robust enclosure designed to provide years of trouble free operation.

SPECIFICATIONS

Enclosure: ASA 61 gray enameled 16 gauge steel
Nema 4X Fiberglass (Optional)

Supply Voltage: 120 VAC, 60 Hz

Dimensions: 20.32cm H x 20.32cm W x 12.70cm D
(8" x 8" x 5")

Weight: 4.54 kg (10 lb)

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

Storage Temperature: -40°C to 65°C (-40°F to 149°F)

Monitor Warranty: Two years

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

Alarm Thresholds: Set at Sensor Modules

Indicators (per Zone):

Red LED – Alarm

Yellow LED – Warning

Green LED

- LED On – Run
- LED Flashing – Fault
- LED Off – Off

Recommended Mounting Height: 4-5 ft. A.F.F.



Features

Alarms disabled during warm up

System test switch

User selectable:

- Activation delays, five minutes for Warning and/or Alarm set points
- Minimum Run Timer
- 95 dBa Audio alarm with Warning and/or Alarm set points

Hinged door

Optional latching relays with manual reset

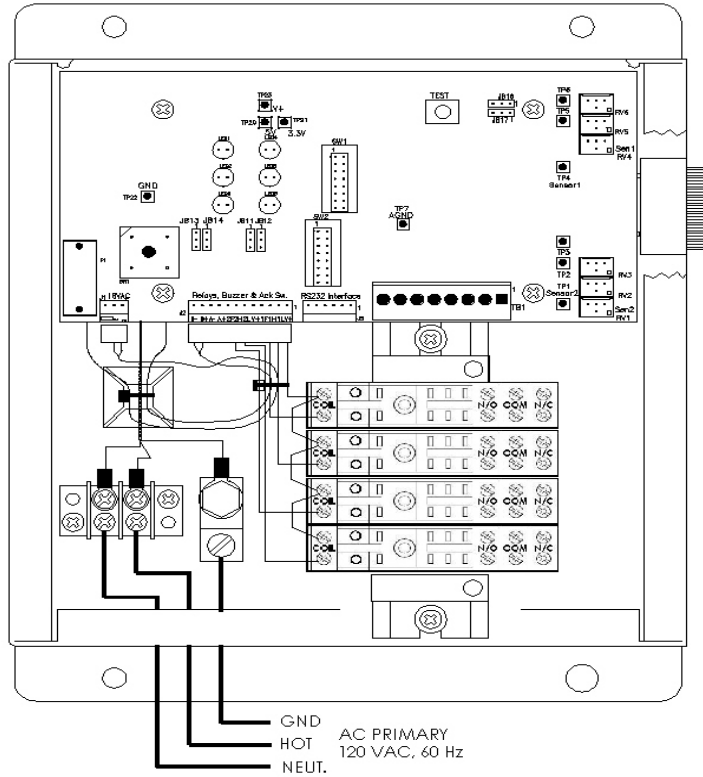
Optional enclosure key lock

Available VFD Output Option

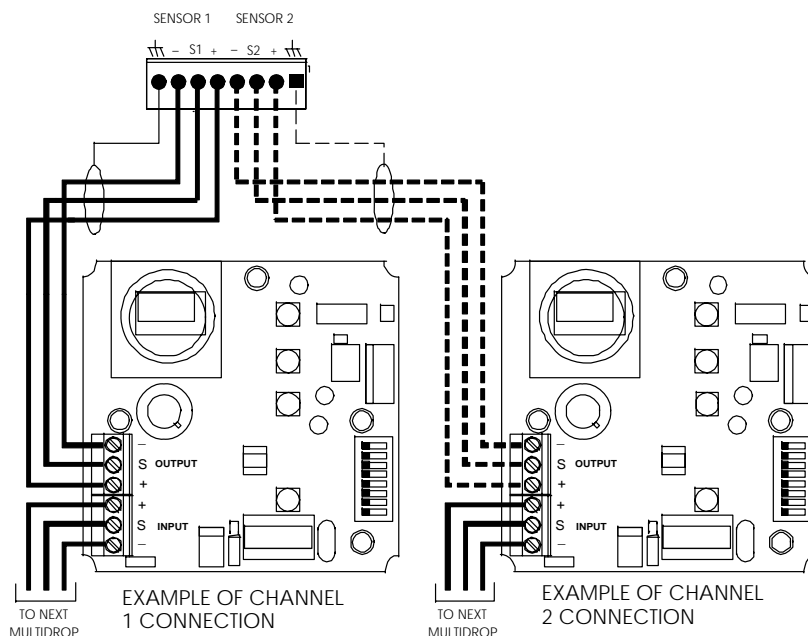
BUILT WITH 100% GREEN ELECTRICITY



AMC-1AD Series Internal View



AMC-1AD Sensor Wiring



AMC-122X Series Multi Drop Gas Sensor Modules

For gas monitoring applications requiring a large number of sensors, installation costs represent a significant share of total project expenses. In an effort to lower these costs, AMC developed the AMC-122X Series multi drop gas sensor module.

Compatible with the AMC 1AD1/D2 Series, as well as the AMC-1400 and 1800, sensors are wired in series utilizing low power, three wire cabling. Dual wiring inputs on some models, combined with multi zone capabilities, permit a nearly unlimited range of configurations, thereby minimizing both installation time and materials.

Up to eight AMC-122Xs of different sensor types can be connected to a single zone with a maximum of 150ft between sensors and panel. Power supplies can be upgraded allowing more sensors per zone making the AMC-122X Series an economical solution to your gas monitoring needs.



BUILT WITH 100% GREEN ELECTRICITY

| Part Number | AMC-1222 | AMC-1225 | AMC-1228-20 | AMC-1228-28 |
|------------------------------|--|-----------------|-----------------|-----------------|
| Detectable Gas(es) | CO & NO ₂ | Combustible Gas | CO | NO ₂ |
| Sensor Type | Electrochemical | Solid State | Electrochemical | Electrochemical |
| Range | 0-100 ppm CO/0-3 ppm NO ₂ | 0-50% LEL | 0-100 PPM | 0-10 PPM |
| Sensor Warranty | CO – 3 Years NO ₂ – 1 Year | 2 Years | 3 Years | 1 Year |
| Standard Trip Points | 25/100 ppm CO 1/3 ppm NO ₂ | 20/40 % LEL | 25/100 ppm | 1/3 ppm |
| Installation Wiring | 3 Wire 18 AWG Shielded | | | |
| Dimensions | 10.2 cm H x 10.2 cm W x 6 cm D (4" W x 4" H x 2.25" D) | | | |
| Operating Temperature | -20°C to 40°C | | | |
| Operating Humidity | 15-90% RH Non Condensing | | | |
| Coverage Area | 50' Radius | 25' Radius | 50' Radius | 50' Radius |
| Replacement Sensor(s) | AMC-91AD / AMC-98AC | AMC-F4168E | AMC-91AD | AMC-98AC |

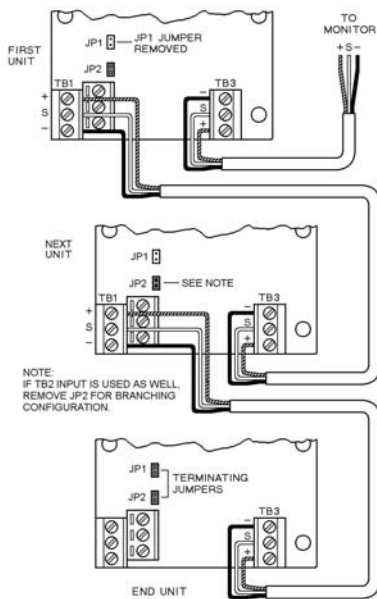
Comfort Zone Technology

Unique to the AMC-1222, our "Comfort Zone" technology utilizes an interactive logic function with a simple user interface to allow incremental sensitivity adjustments without the need for recalibration, in order to optimize indoor air quality and occupant comfort.



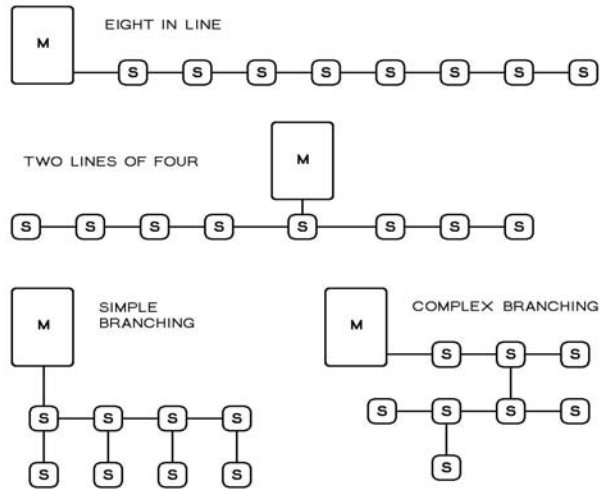
AMC-122X SERIES WIRING DIAGRAMS

Wiring for AMC-1228 & 1225

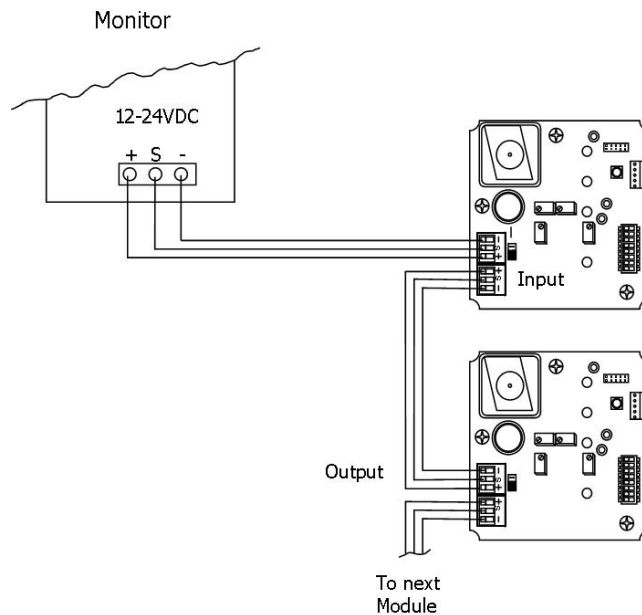


TYPICAL SYSTEM CONFIGURATIONS FOR ONE MONITOR AND 8 SENSORS.

LEGEND:
M = MONITOR
S = SENSOR MODULE



Wiring for AMC-1222 (CO & NO₂)



Up to 8 1222 Modules
can be Daisy Chained
Max 150ft 18AWG
Between each Module

