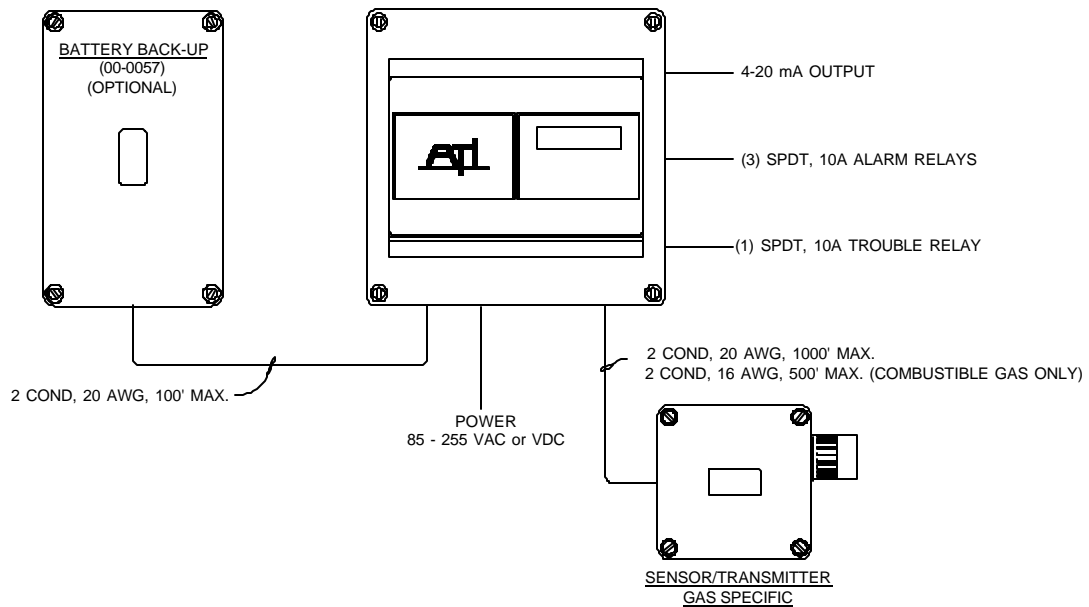
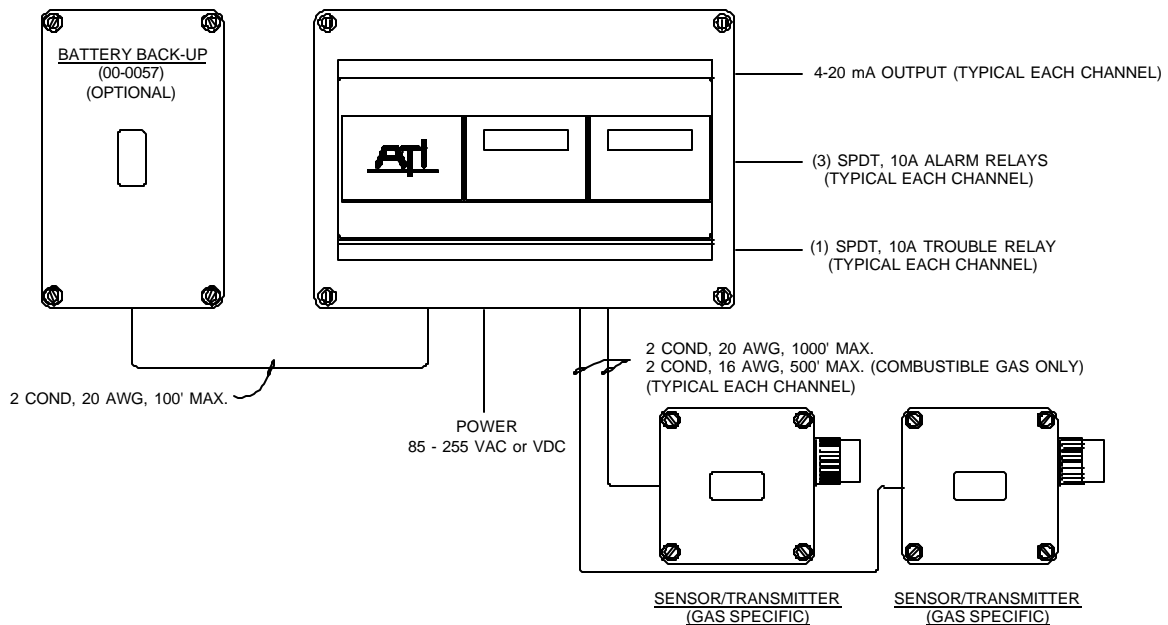




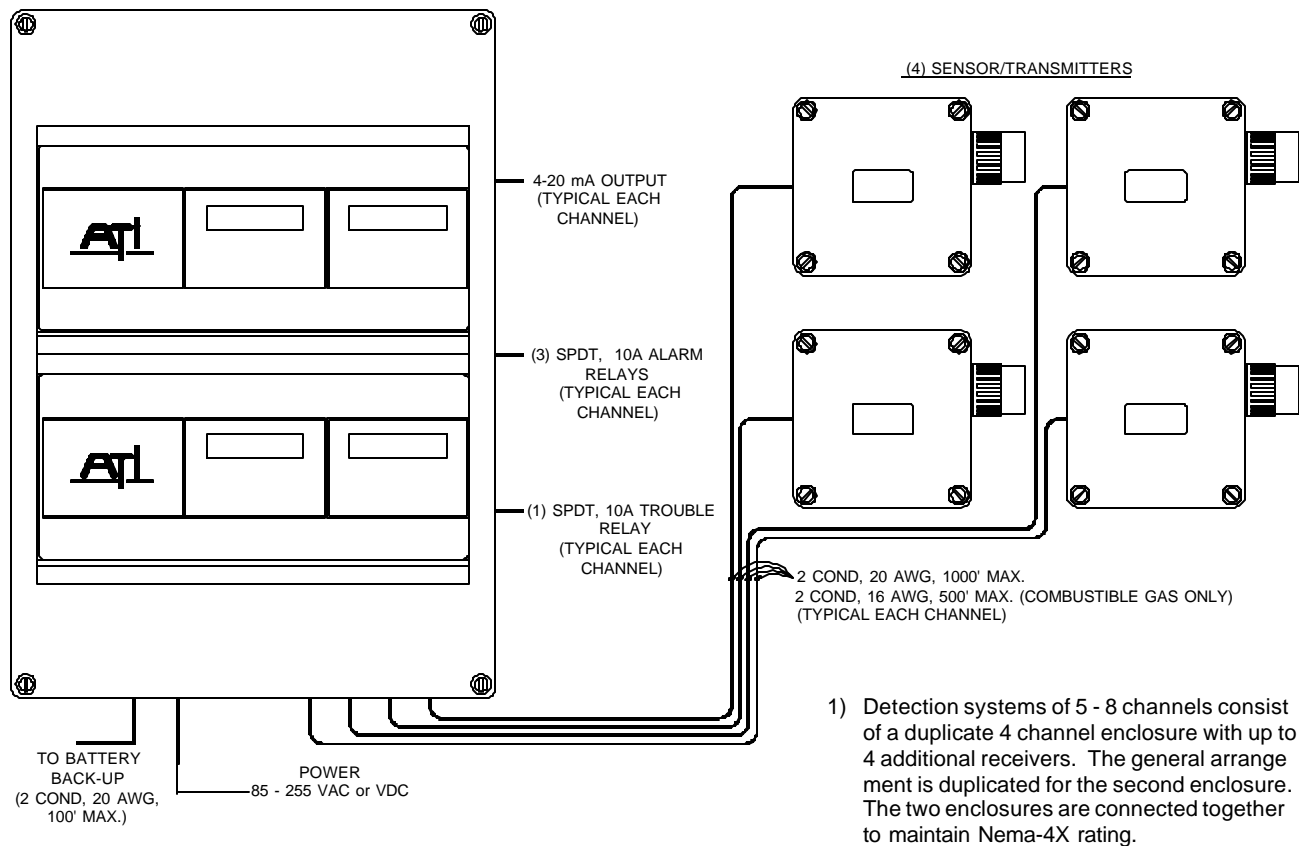
SINGLE CHANNEL SYSTEM



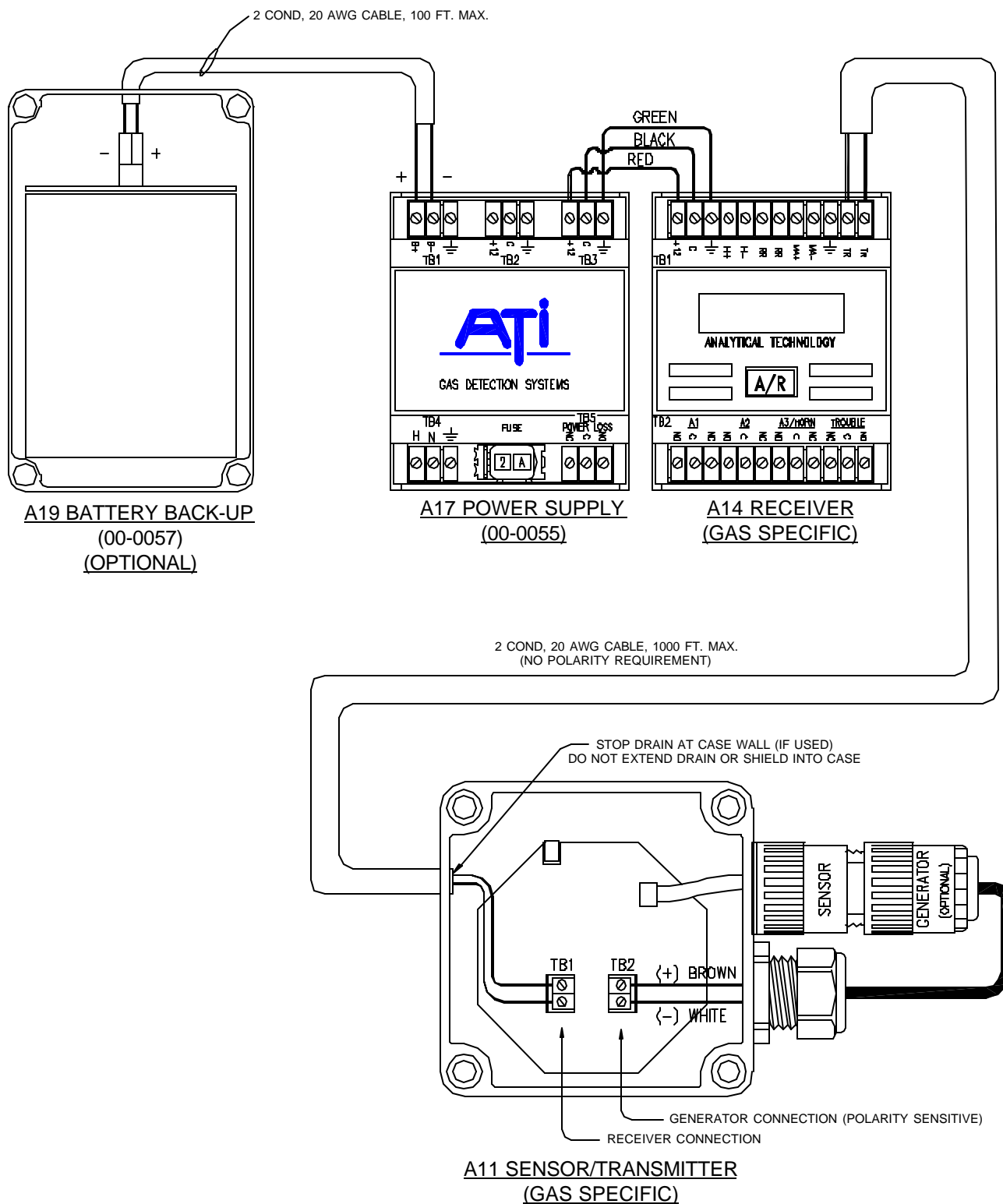
TWO CHANNEL SYSTEM



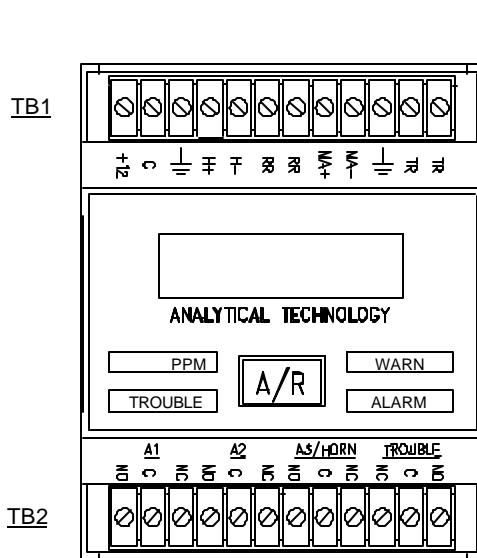
FOUR CHANNEL SYSTEM



STANDARD SYSTEM



A14 RECEIVER TERMINAL DESIGNATIONS



NOTE: Relay contact designation is shown for relays in normal mode of operation for relays A1, A2, and A3. If fail-safe relay operation is selected, NO and NC designations are reversed for that relay. The TROUBLE relay is set to fail-safe operation at the factory, and the designation shown above is for the trouble relay in fail-safe mode.

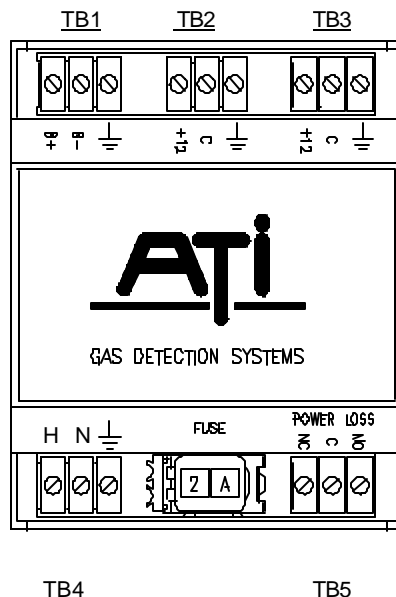
TB1

- 1: (+12) Module Power Positive (12 VDC)
- 2: (C) Module Power Common
- 3: (\equiv) Earth Ground (REQUIRED)
- 4: (H+) Audible Horn positive
- 5: (H-) Audible Horn negative
- 6: (RR) Remote Reset
- 7: (RR) Remote Reset
- 8: (MA+) 4-20 mA Output Positive
- 9: (MA-) 4-20 mA Output Negative
- 10: (\equiv) Earth Ground
- 11: (TR) Transmitter Input
- 12: (TR) Transmitter Input

TB2

- 1: (A1 NO) Alarm 1 Normally Open Contact
- 2: (A1 C) Alarm 1 Common
- 3: (A1 NC) Alarm 1 Normally Closed Contact
- 4: (A2 NO) Alarm 2 Normally Open Contact
- 5: (A2 C) Alarm 2 Common
- 6: (A2 NC) Alarm 2 Normally Closed Contact
- 7: (A3 NO) Alarm 3 Normally Open Contact
- 8: (A3 C) Alarm 3 Common
- 9: (A3 NC) Alarm 3 Normally Closed Contact
- 10: (TROUBLE NC) .. Trouble Normally Closed Contact
- 11: (TROUBLE C) Trouble Common
- 12: (TROUBLE NO) .. Trouble Normally Open Contact

A17 POWER SUPPLY TERMINAL DESIGNATIONS



TB1 (12V Battery Only)

- 1: (B+) External Battery Positive
- 2: (B-) External Battery Negative
- 3: (\equiv) Earth Ground

TB2

- 1: (+12) Receiver Module Positive
- 2: (C) Receiver Module Common
- 3: (\equiv) Earth Ground

TB3

- 1: (+12) Receiver Module Positive
- 2: (C) Receiver Module Common
- 3: (\equiv) Earth Ground

TB4

- 1: (H) AC Power Hot (85-255 VAC)
- 2: (N) AC Power Neutral
- 3: (\equiv) Power Ground (Earth Ground)

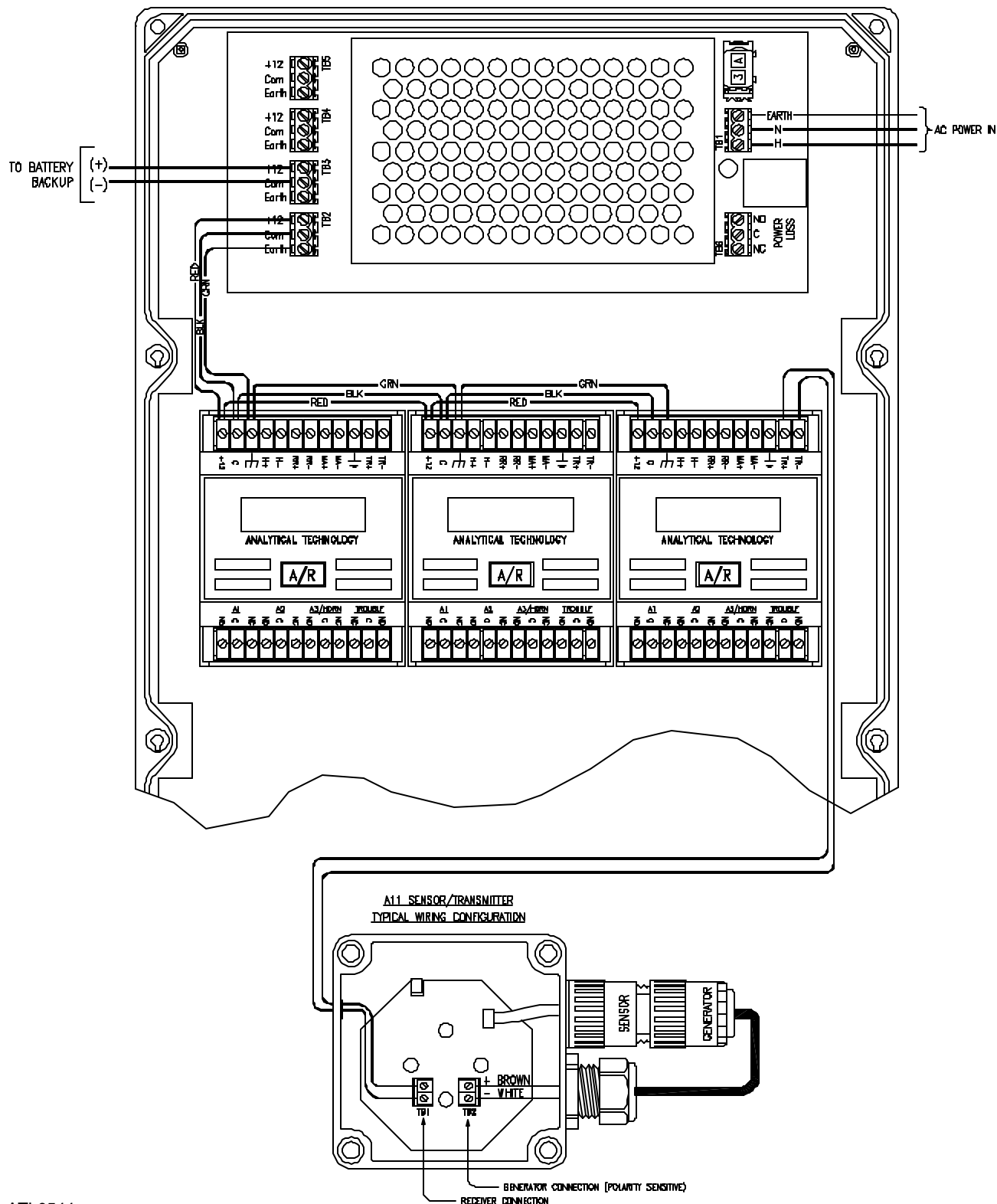
TB5

- 1: (NC) Power Failure Normally Closed Contact
- 2: (C) Power Failure Common
- 3: (NO) Power Failure Normally Open Contact

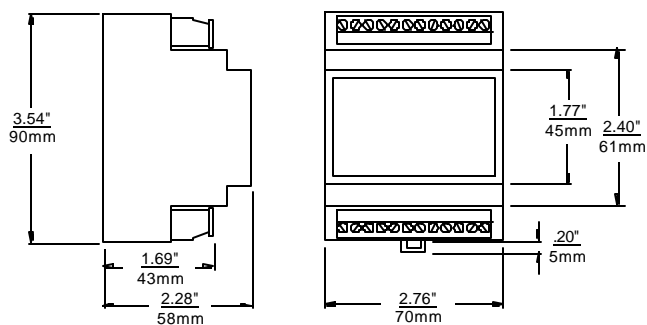
CAUTION: AC power input must be properly earth grounded for safe operation. 220 VAC power without a neutral line may not be used with this power supply.

65W P/S (28-0004) WIRING CONNECTION DIAGRAM

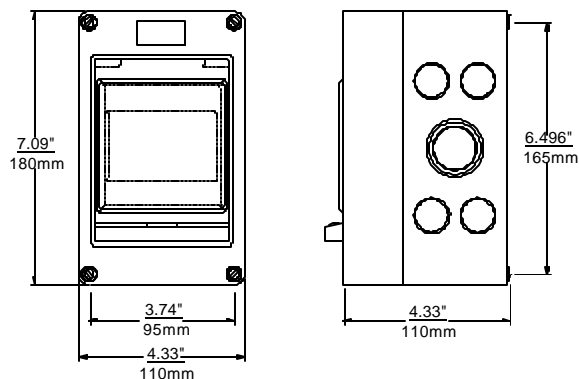
Typical Wiring for Large 3 Module, Large 6 Module, 9 Module & 12 Module Enclosures



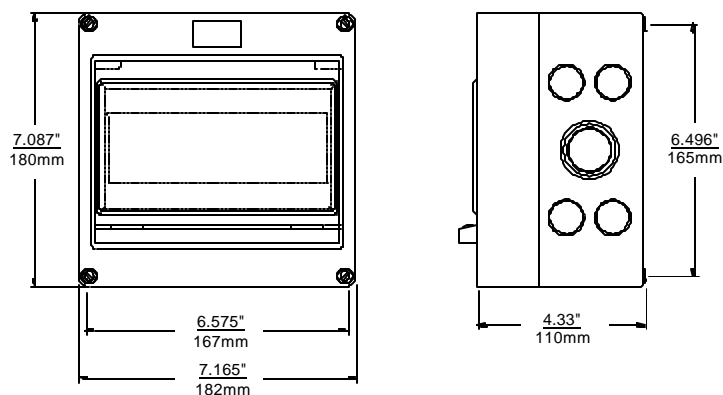
RECEIVER/POWER SUPPLY MODULES



#80-0005 SINGLE MODULE ENCLOSURE



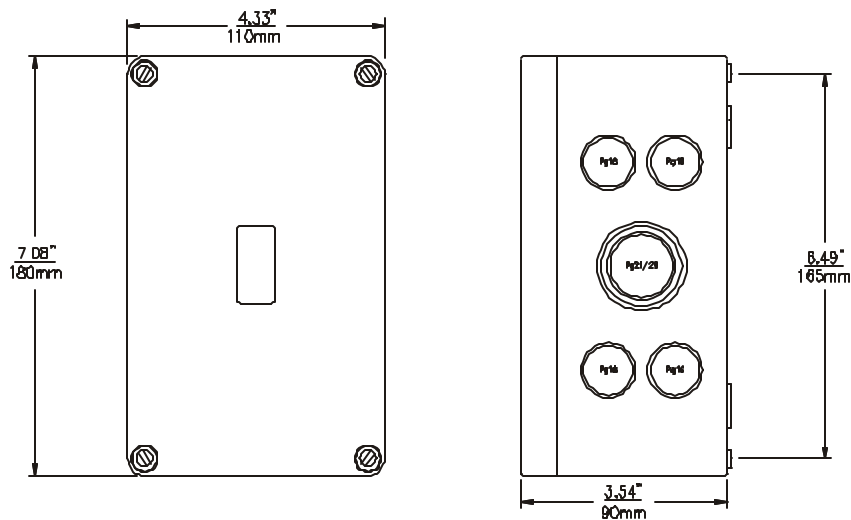
#80-0006 TWO MODULE ENCLOSURE



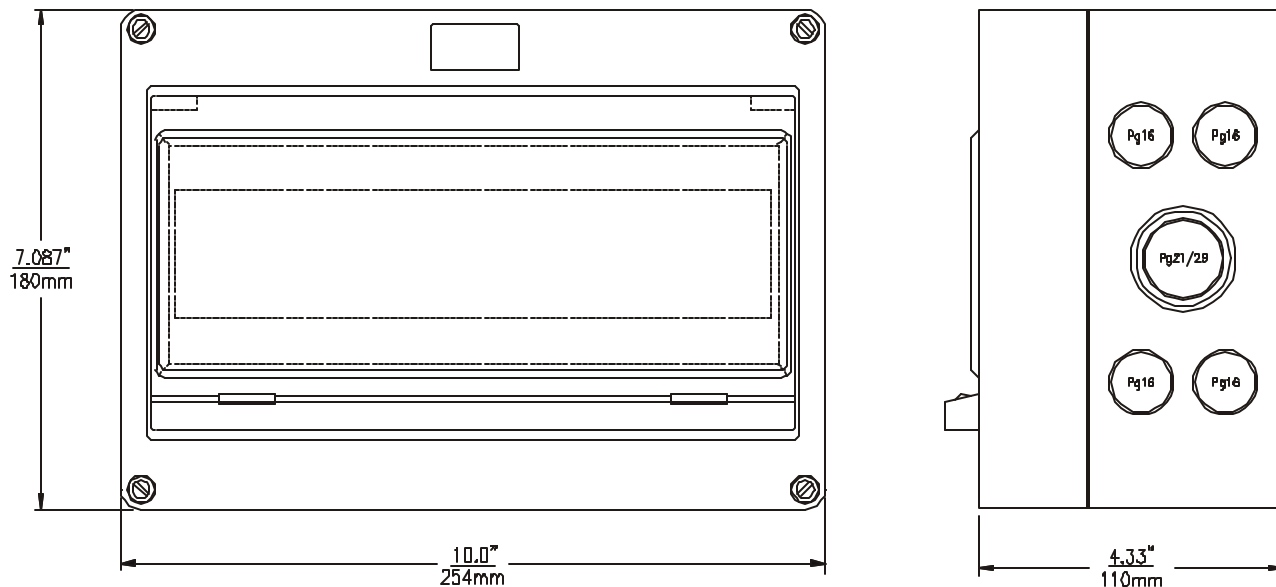
NOTES

- Enclosure Ratings:
Nema-4X / IP 65
- Enclosure Material:
Polystyrene base and cover, hinged transparent door with push-release latch.
- Knockouts:
Pg 13,5 (.825" dia.)
Pg 16 (.90" dia.)
Pg 21 (1.15" dia.)
Pg 29 (1.50" dia.)

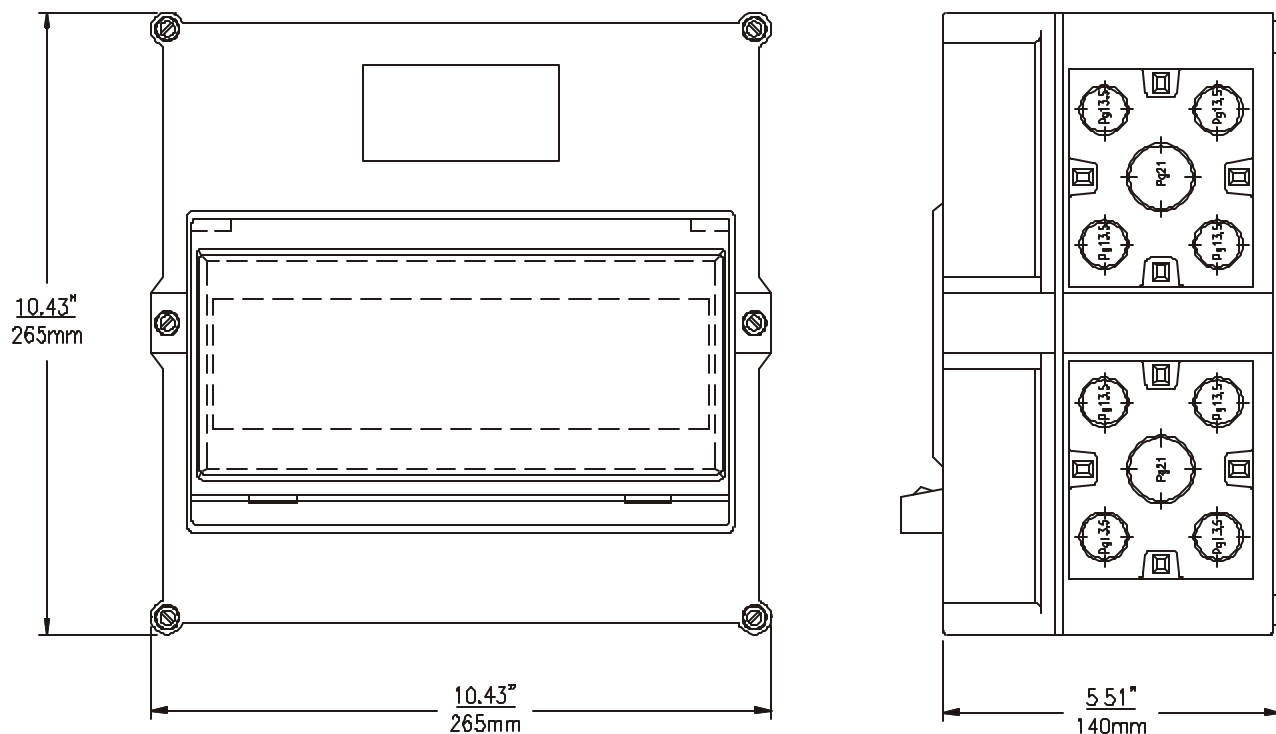
#80-0009 BATTERY BACKUP ENCLOSURE



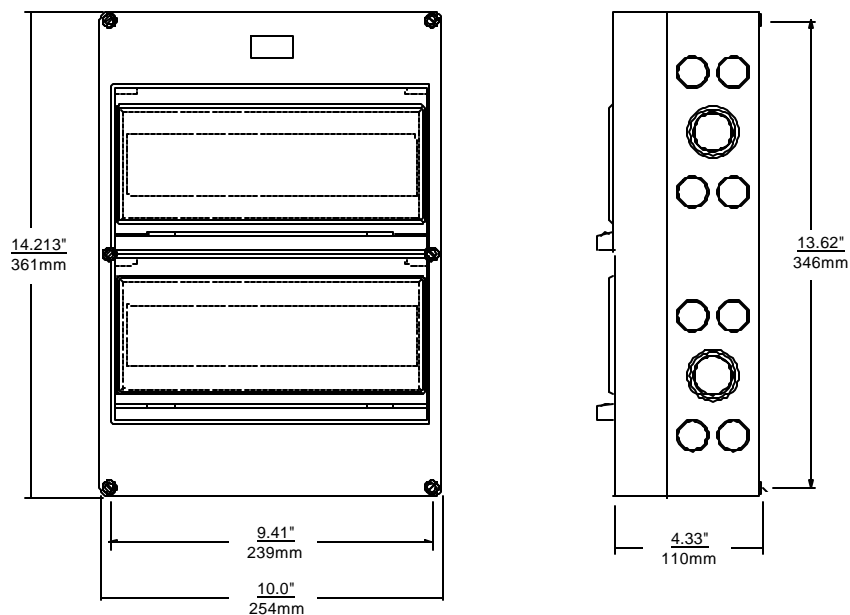
#80-0007 THREE MODULE ENCLOSURE (STANDARD)



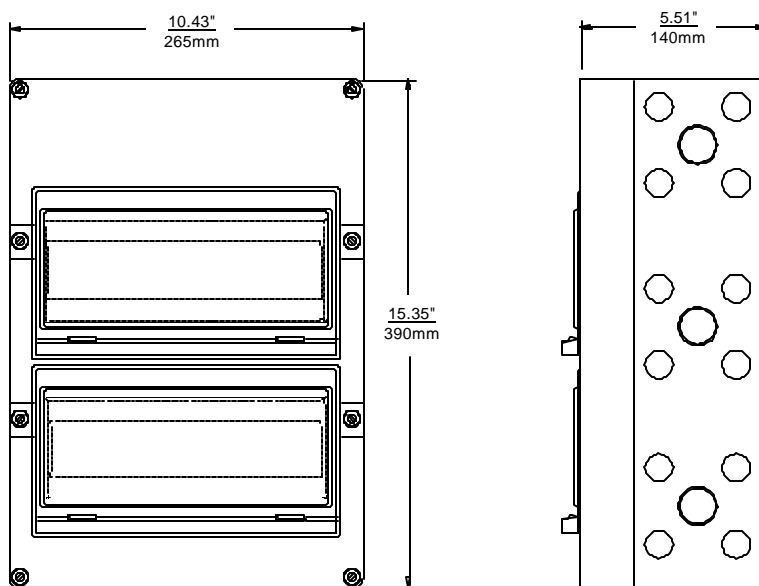
#80-0033 THREE MODULE ENCLOSURE (DEEP)



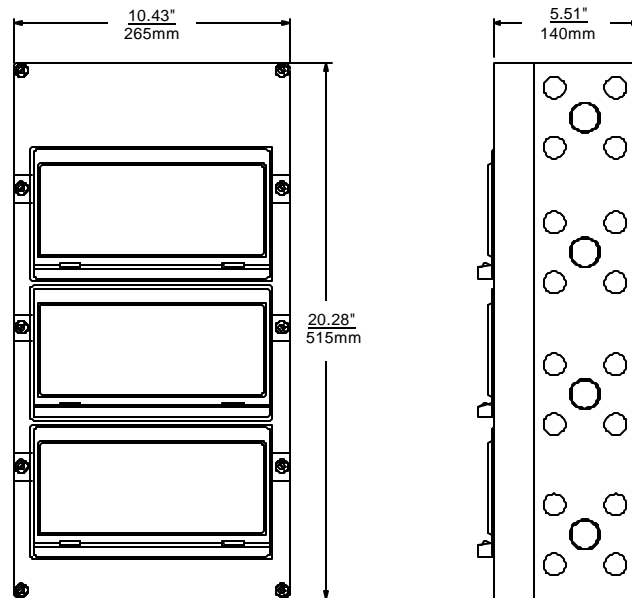
#80-0008 SIX MODULE ENCLOSURE (STANDARD)



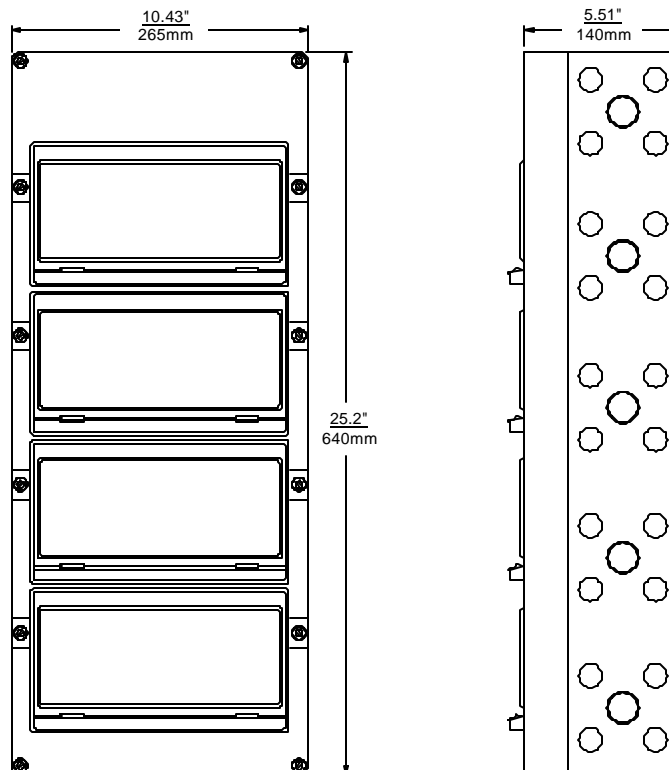
#80-0027 SIX MODULE ENCLOSURE (DEEP)



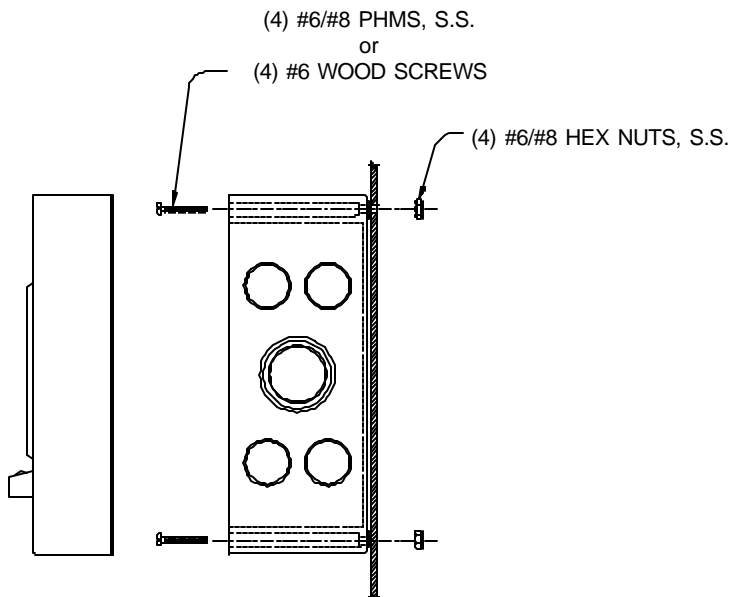
#80-0024 NINE MODULE ENCLOSURE



#80-0026 TWELVE MODULE ENCLOSURE



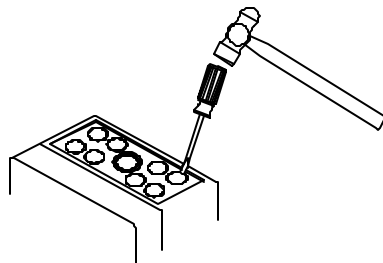
SURFACE MOUNT INSTALLATION



NOTES

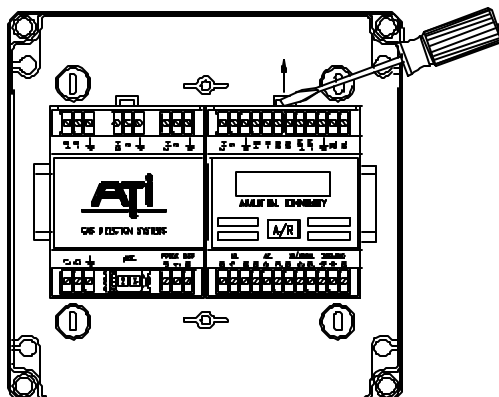
- 1) Screws are inserted into blind recess in corners of enclosure. Cover must be removed for access to screw recesses.
- 2) Mounting template supplied for mounting hole locations.
- 3) All mounting hardware is supplied by customer.
- 4) Receiver and Transmitter enclosures are mounted in the same fashion.
- 5) For outdoor installations, a sun shade is recommended.

REMOVING KNOCKOUTS



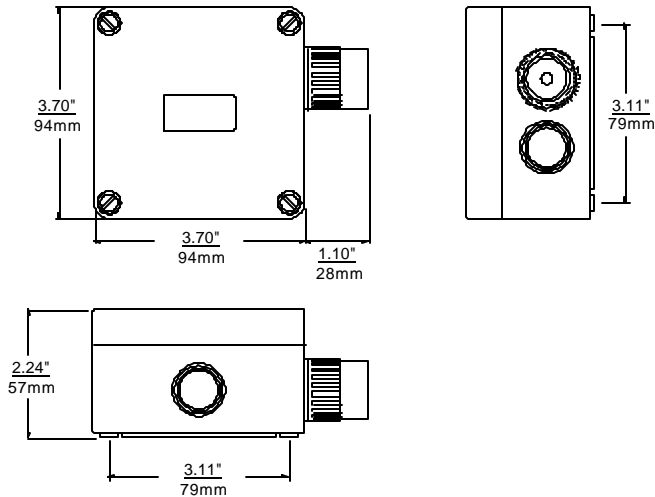
- 1) To remove knockouts, place a thin bladed screwdriver into the circular slot or the desired knockout size and tap firmly with a hammer.

MOUNTING/REMOVING RECEIVER MODULES



- 1) Mounting of receiver modules is done by clipping them to a standard 35 x 7.5 mm DIN rail. A spring loaded clip holds the module to the rail and is used for mounting and removal. From the front, the clip is seen as a black loop at the top rear of the module. To remove from a rail, place a small screwdriver into the opening in the black loop and pull outward until the module releases from the rail. Reverse the procedure to mount the module.

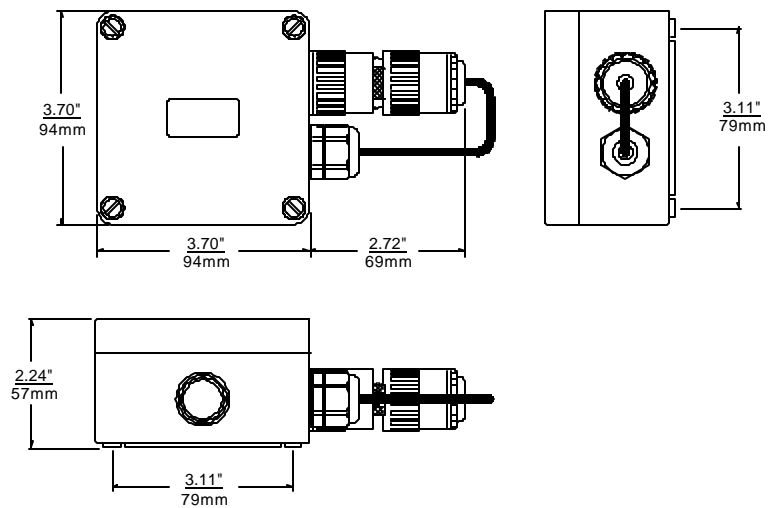
A11 SENSOR / TRANSMITTER



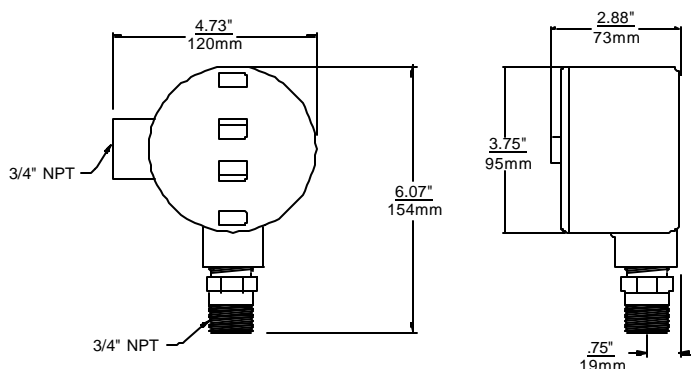
NOTES

- 1) Enclosure Ratings:
Nema-4X / IP 66
- 2) Enclosure Material:
Polystyrene base and cover, Standard Gray
- 3) Knockouts:
Pg 11 (.75" dia.)
Pg 16 (.90" dia.)

A11 SENSOR / TRANSMITTER WITH AUTO-TEST GENERATOR



A11 SENSOR / TRANSMITTER - EXPLOSION-PROOF

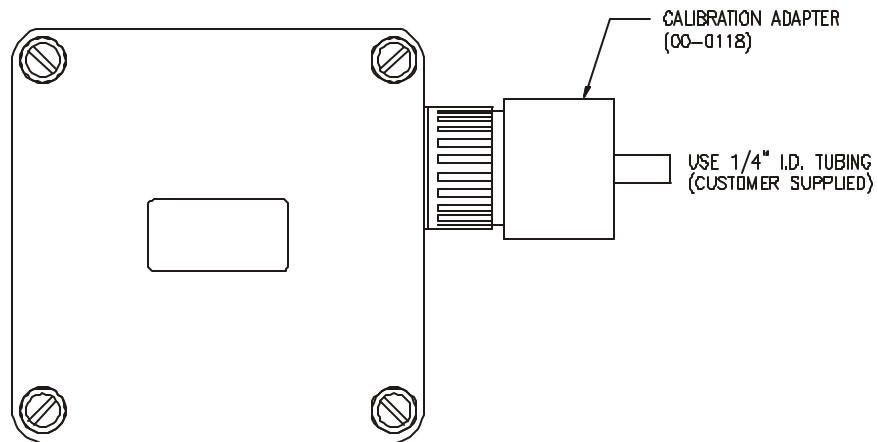


NOTES

- 1) Enclosure Ratings:
CLASS I, GROUPS B,C,D
CLASS II, GROUPS E,F,G
CLASS III
- 2) Assembly is normally mounted directly to suitable explosion-proof conduit.
- 3) To maintain the integrity of the transmitter, explosion-proof conduit and cable entry seals are required by local electrical codes.

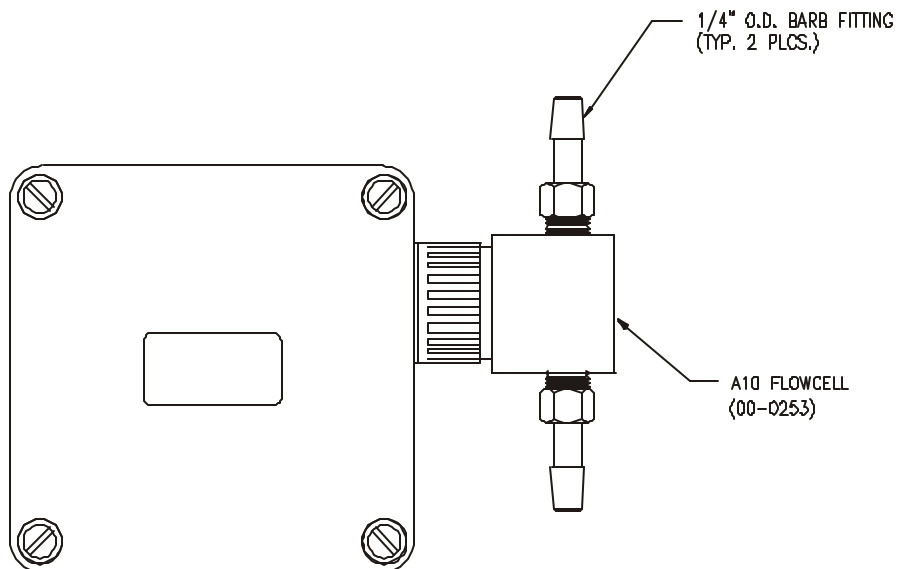


A11 TRANSMITTER w/ A10 SENSOR CALIBRATION ADAPTER



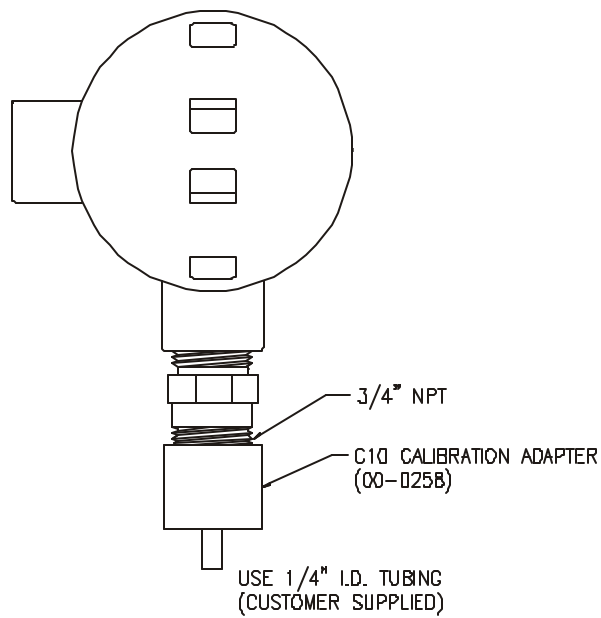
ATI-0464

A11 TRANSMITTER w/ A10 SENSOR FLOWCELL ASSEMBLY



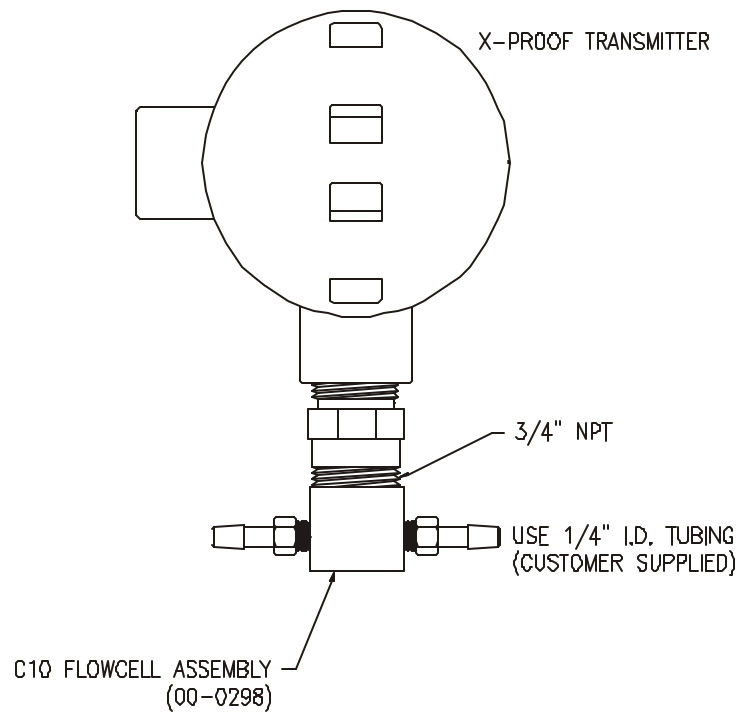
ATI-0463

X-PROOF TRANSMITTER w/ C10 SENSOR CALIBRATION ADAPTER



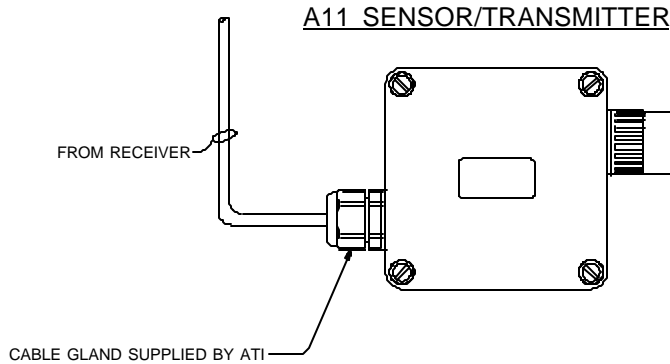
ATI-0466

X-PROOF TRANSMITTER w/ C10 SENSOR FLOWCELL ASSEMBLY

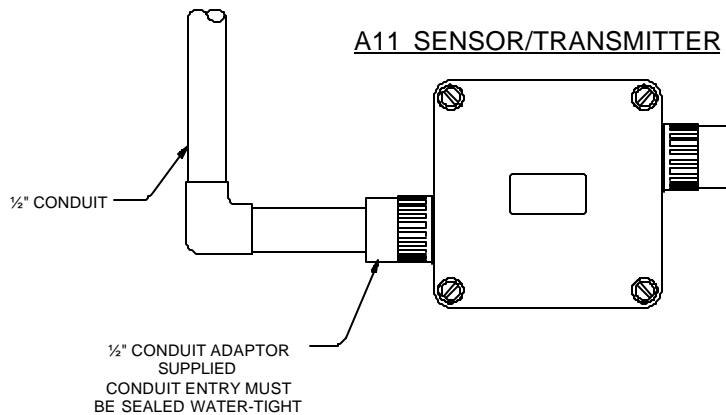


ATI-0465

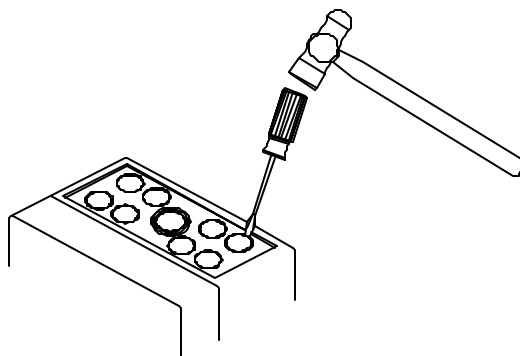
CABLE GLAND INSTALLATION



CONDUIT MOUNT INSTALLATION



REMOVING KNOCKOUTS



NOTES

- 1) Mount Transmitter to wall with screws inserted in blind mounting holes, (accessible with cover removed).
- 2) Cable gland supplied uses Pg 11 knockout. Use extreme care in removing knockout. Score inside of concentric knockout with razor knife.
- 3) Sun shade is recommended for outdoor applications.

- 1) Transmitter may be supported by conduit or screwed to wall through blind mounting holes.
- 2) Sun shade is recommended for outdoor applications.

- 1) To remove knockouts, place a thin bladed screwdriver into the circular slot or the desired knockout size and tap firmly with a hammer.
- 2) Remove Transmitter PCB prior to removing knockouts, to prevent damage to the PCB.