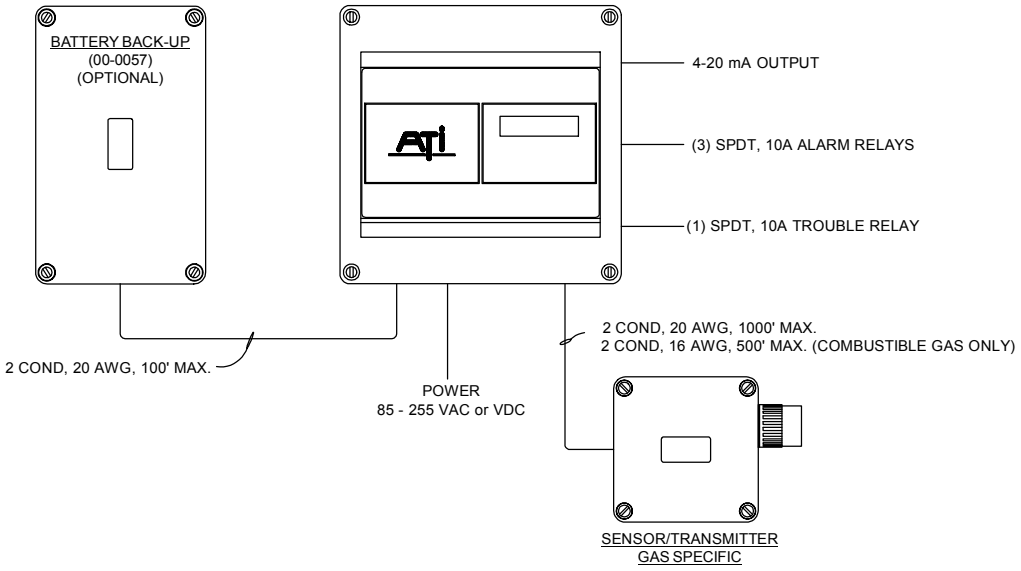
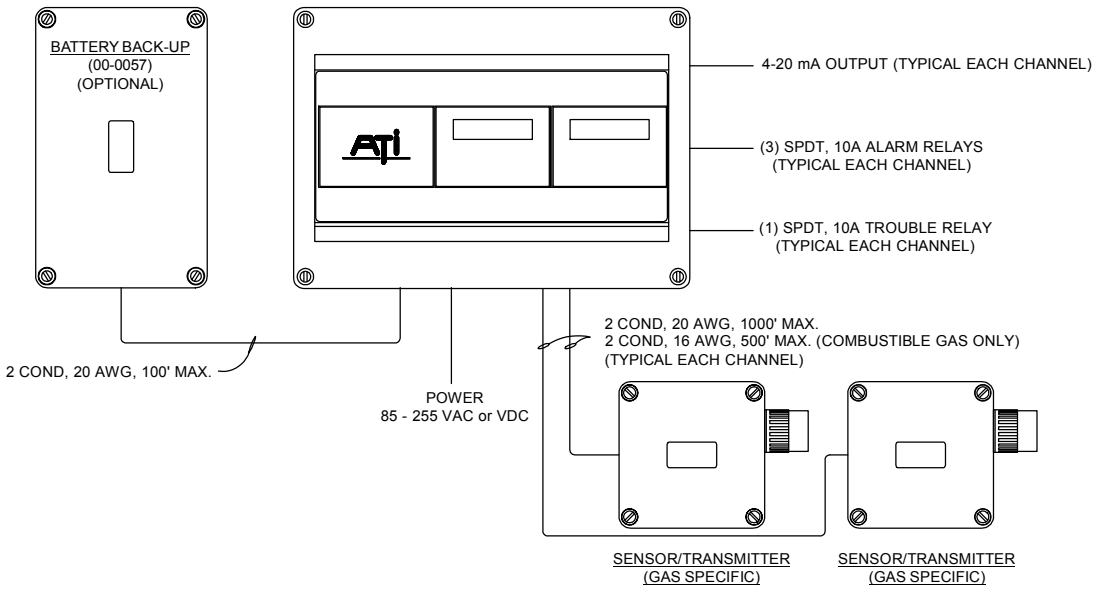
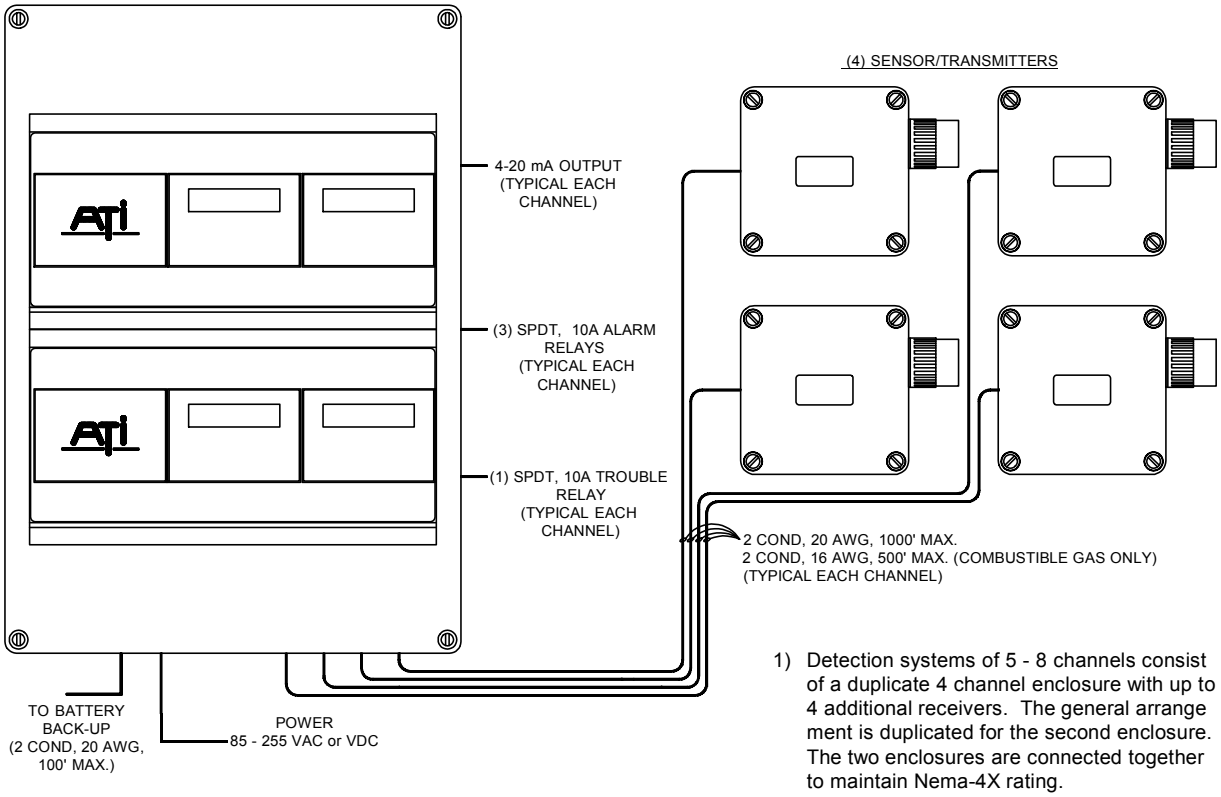
SINGLE CHANNEL SYSTEM



TWO CHANNEL SYSTEM

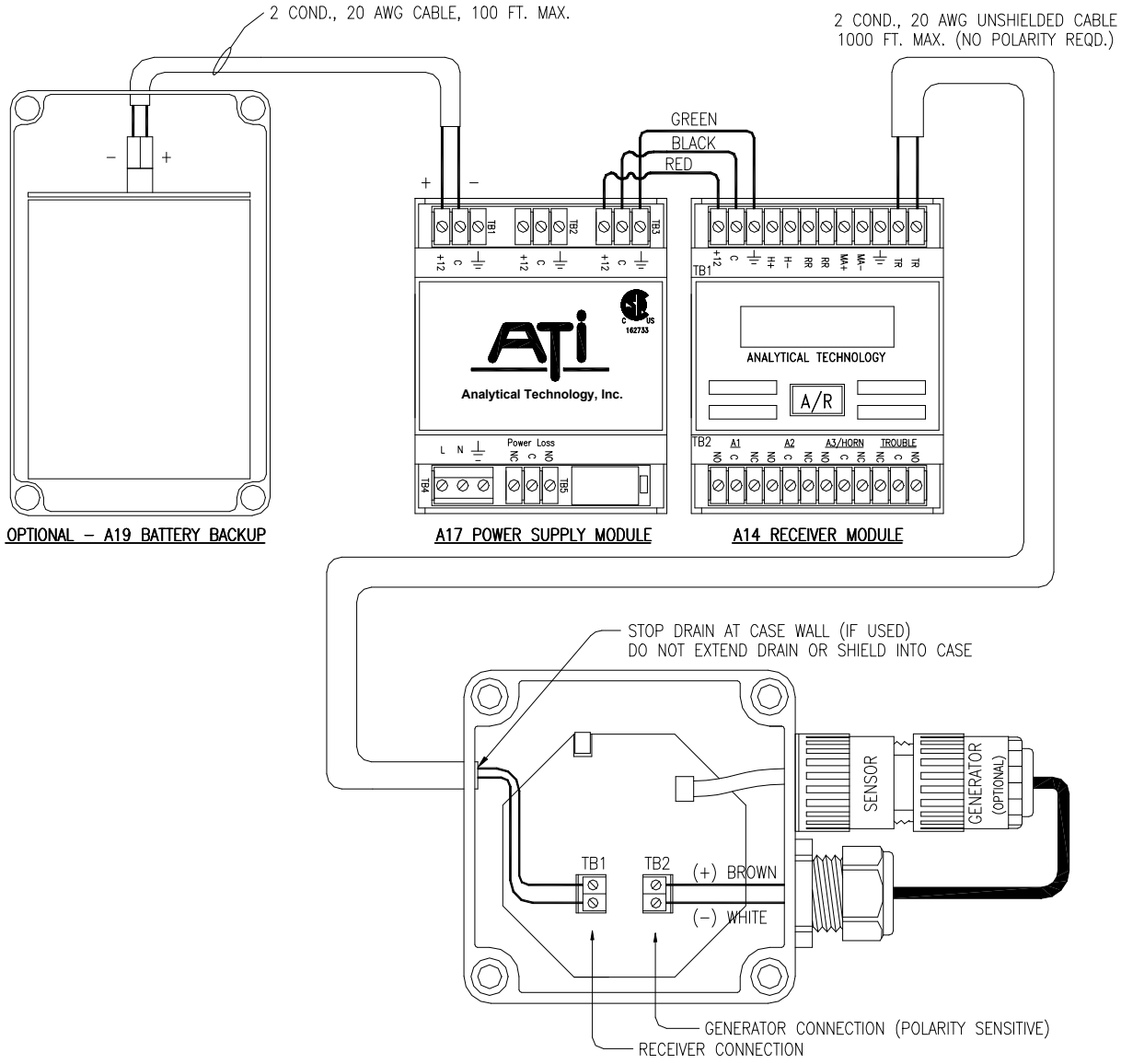


FOUR CHANNEL SYSTEM

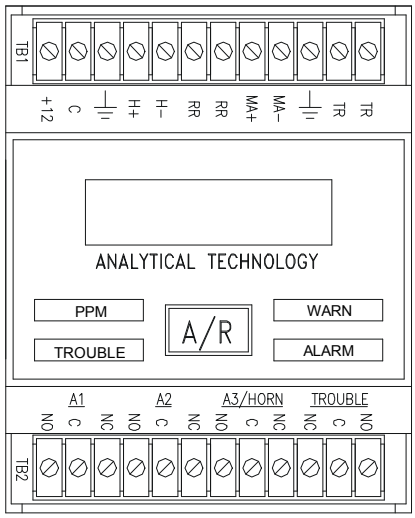


1) Detection systems of 5 - 8 channels consist of a duplicate 4 channel enclosure with up to 4 additional receivers. The general arrange ment is duplicated for the second enclosure. The two enclosures are connected together to maintain Nema-4X rating.

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.

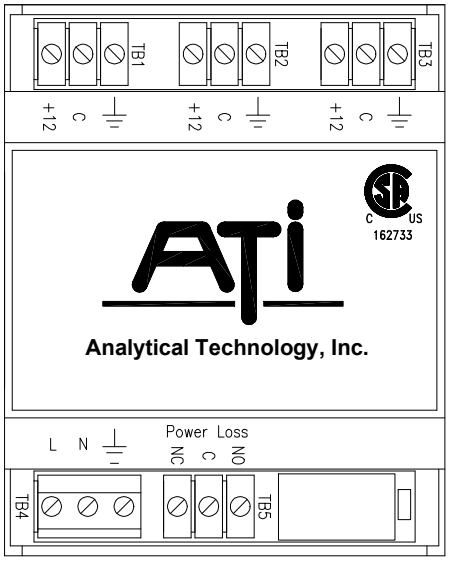
TB1

1: (+12) ..... Module Power Positive (12 VDC)
2: (C) ..... Module Power Common
3: (⏚) ..... 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: (⏚) ..... 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



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.

TB1 (12V Battery Only)

1: (B+) ..... External Battery Positive
2: (B-) ..... External Battery Negative
3: (⏚) ..... Earth Ground

TB2

1: (+12) ..... Receiver Module Positive
2: (C) ..... Receiver Module Common
3: (⏚) ..... Earth Ground

TB3

1: (+12) ..... Receiver Module Positive
2: (C) ..... Receiver Module Common
3: (⏚) ..... Earth Ground

TB4

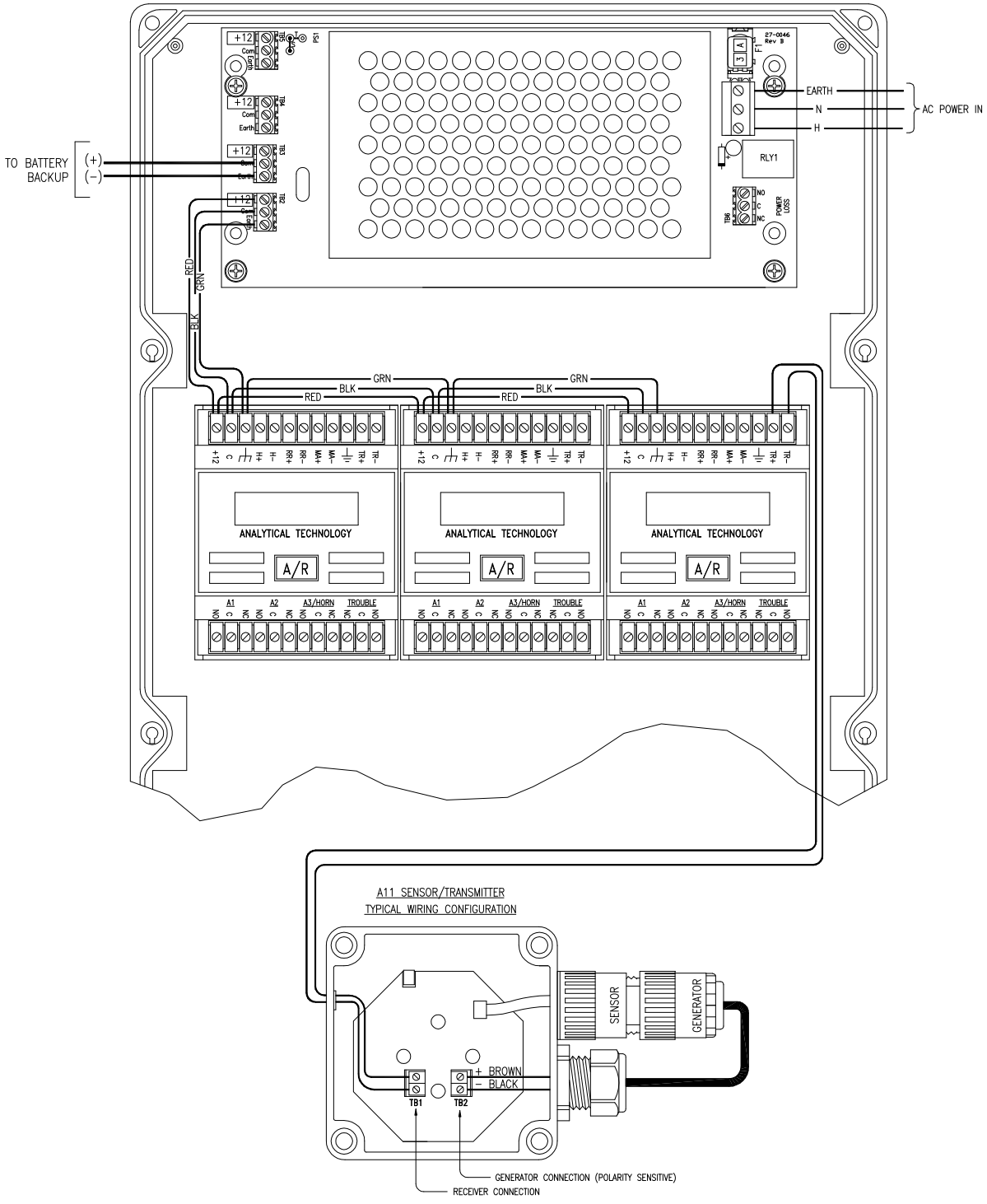
1: (H) ..... AC Power Hot (85-255 VAC)
2: (N) ..... AC Power Neutral
3: (⏚) ..... Power Ground (Earth Ground)

TB5

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

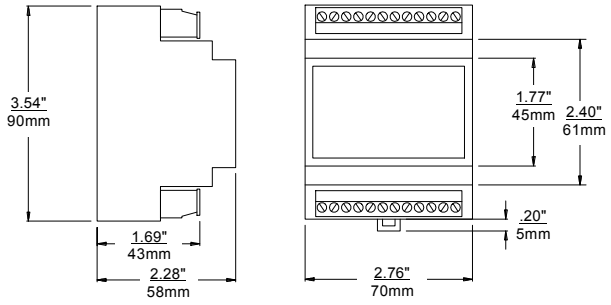
65W P/S (28-0004) WIRING CONNECTION DIAGRAM

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

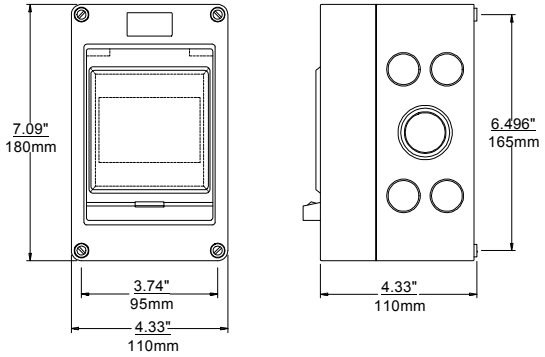


ATI-0544

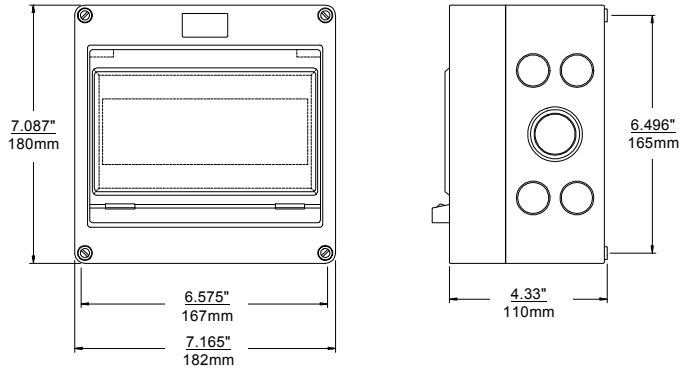
RECEIVER/POWER SUPPLY MODULES



#80-0005 SINGLE MODULE ENCLOSURE



#80-0006 TWO MODULE ENCLOSURE



NOTES

1) Enclosure Ratings:

   Nema-4X / IP 65

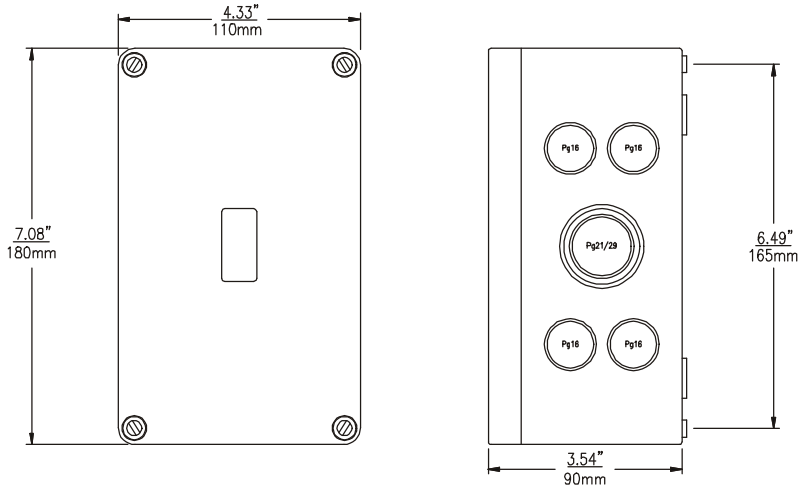
2) Enclosure Material:

   Polystyrene base and cover, hinged transparent door with push-release latch.

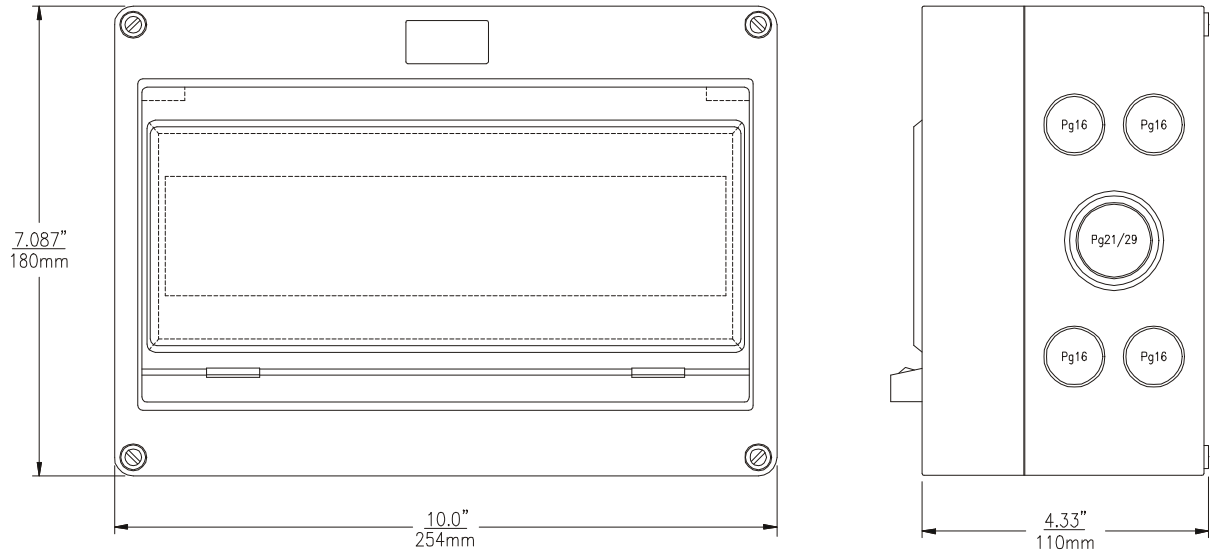
3) Knockouts:

   Pg 13,5 (.825" dia.)
   Pg 16 (.90" dia.)
   Pg 21 (1.15" dia.)
   Pg 29 (1.50" dia.)

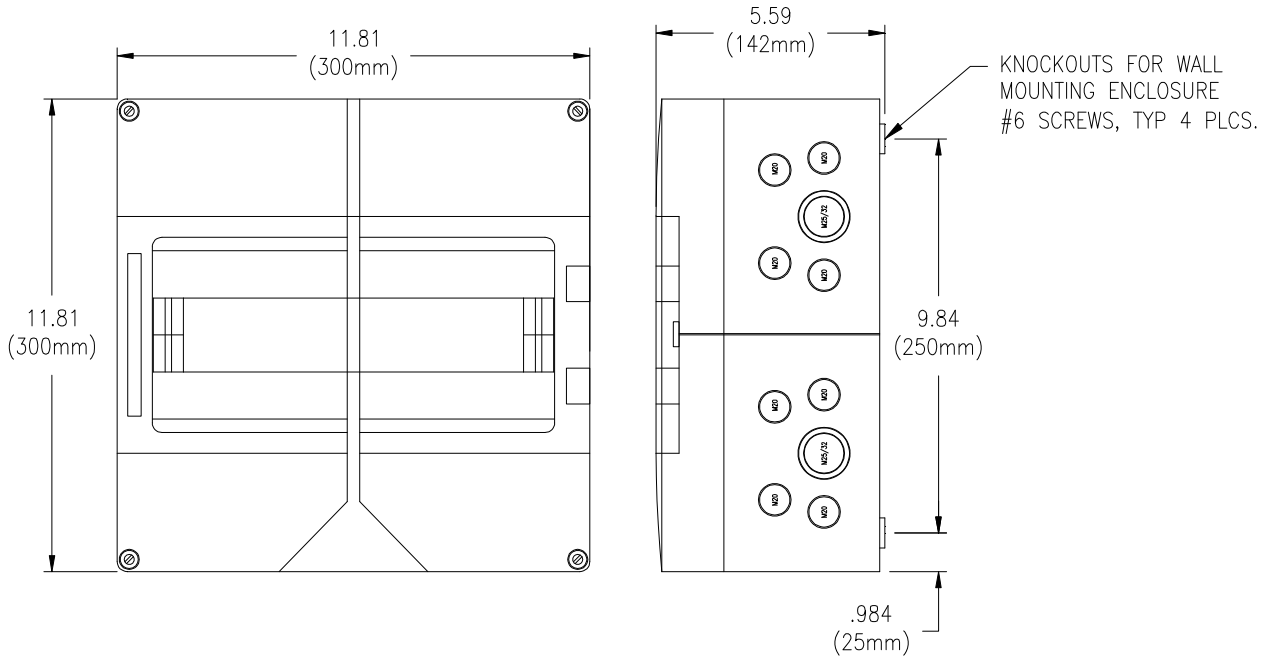
#80-0009 BATTERY BACKUP ENCLOSURE



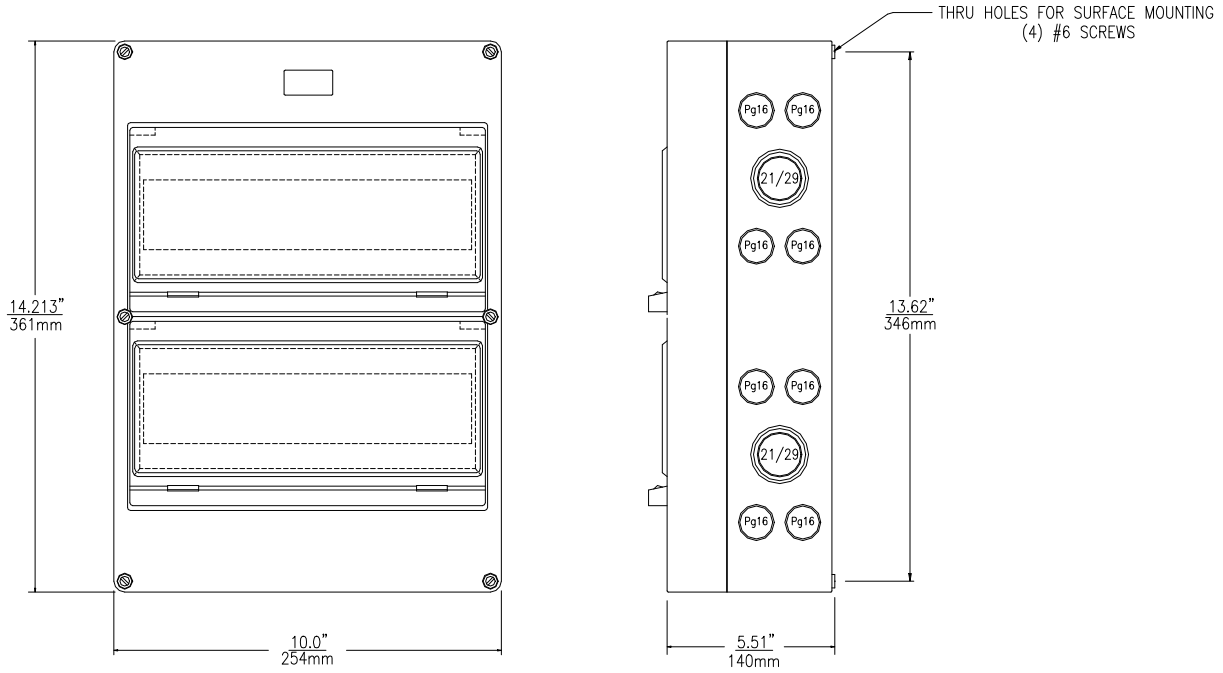
#80-0007 THREE MODULE ENCLOSURE (STANDARD)



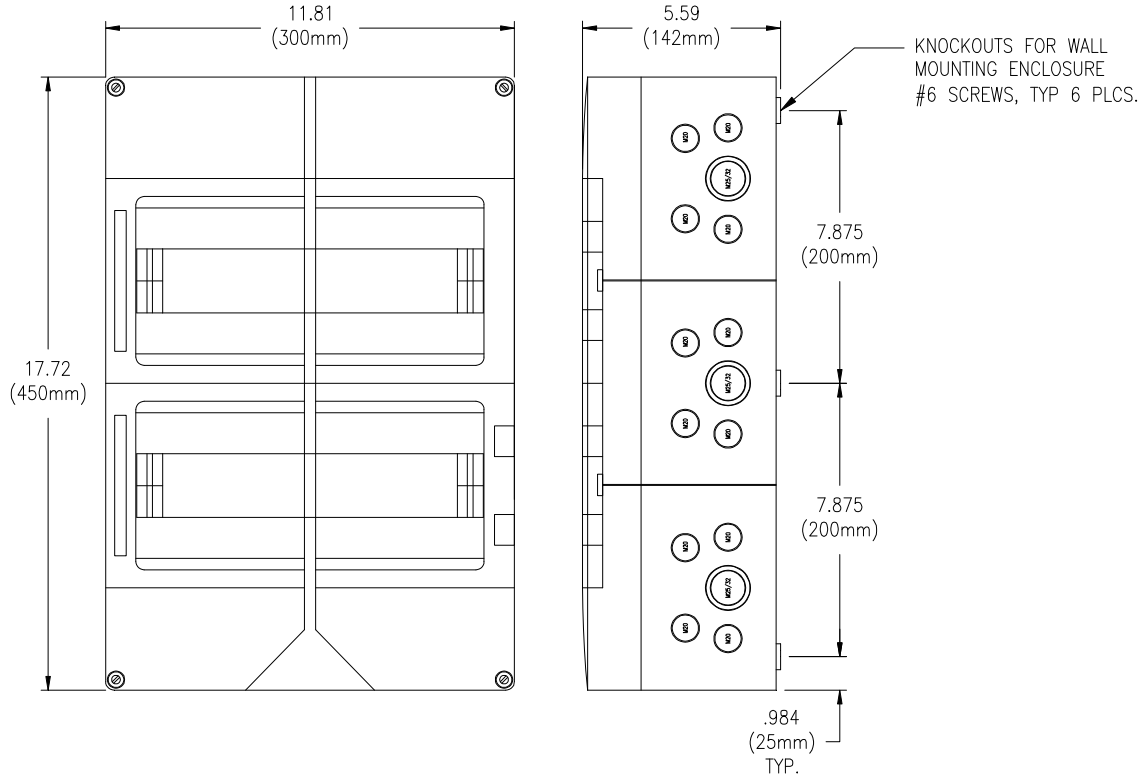
#80-0033 THREE MODULE ENCLOSURE (DEEP)



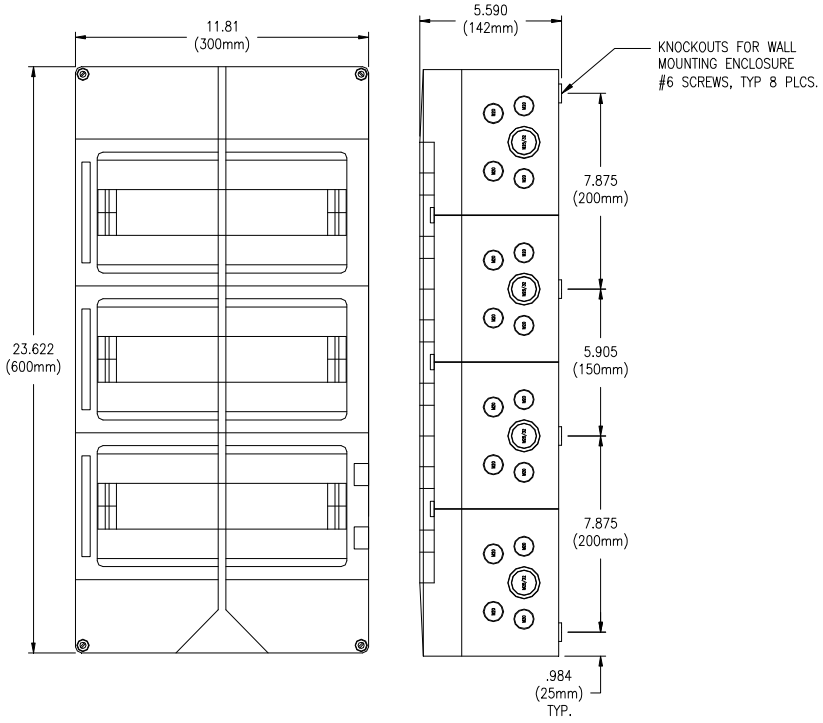
#80-0008 SIX MODULE ENCLOSURE (STANDARD)



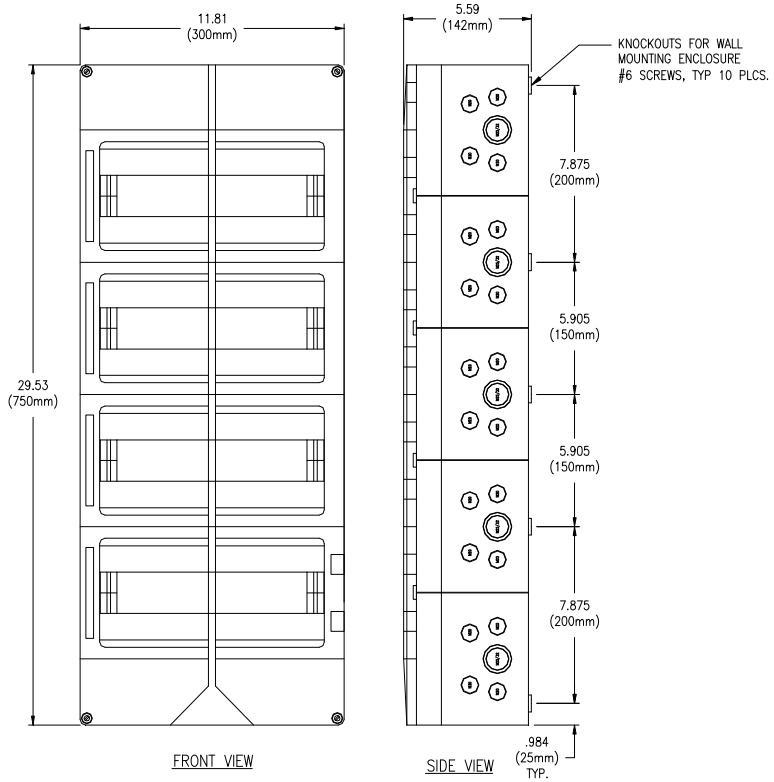
#80-0027 SIX MODULE ENCLOSURE (DEEP)



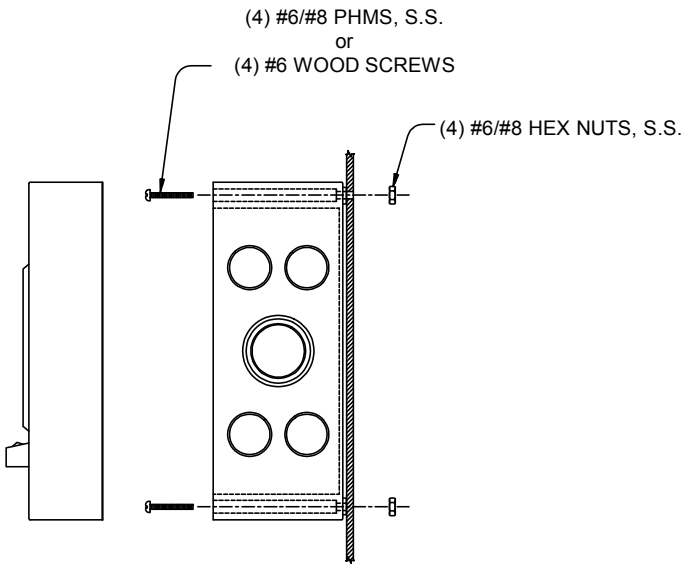
#80-0024 NINE MODULE ENCLOSURE



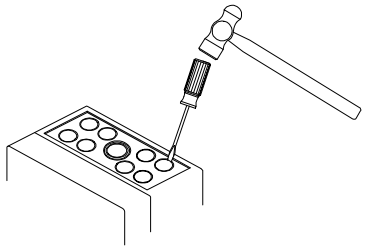
#80-0026 TWELVE MODULE ENCLOSURE



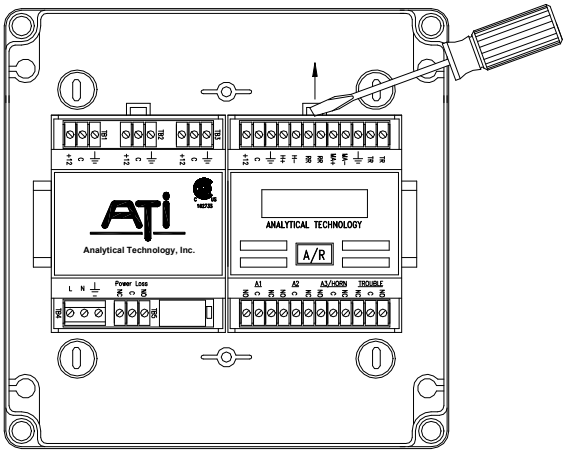
SURFACE MOUNT INSTALLATION



REMOVING KNOCKOUTS



MOUNTING/REMOVING RECEIVER MODULES



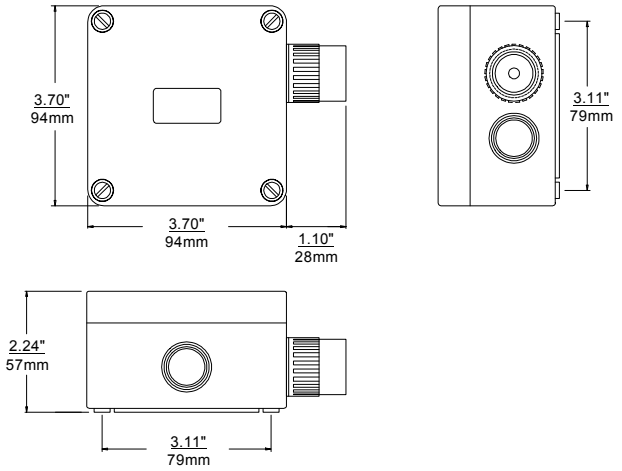
NOTES

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.

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

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

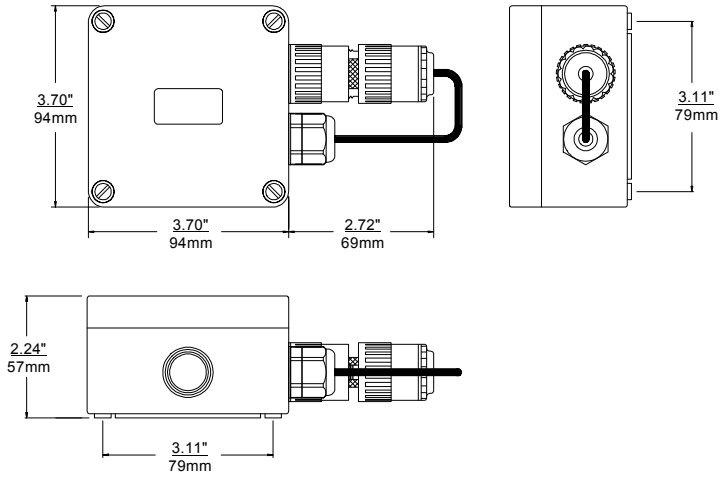
2) Enclosure Material:

   Polystyrene base and cover, Standard Gray

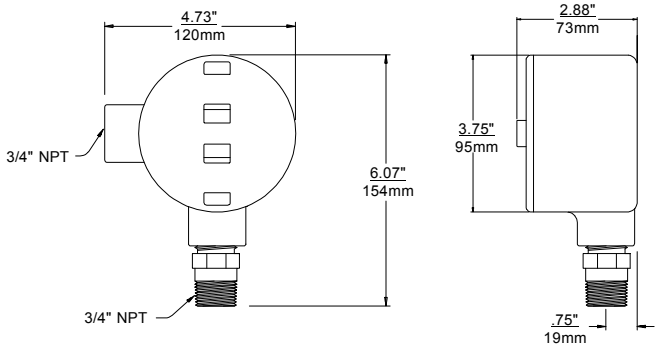
3) Knockouts:

   Pg 11 (.75" dia.)
   Pg 16 (.90" dia.)

A11 SENSOR / TRANSMITTER WITH AUTO-TEST GENERATOR



A11 SENSOR / TRANSMITTER - EXPLOSION-PROOF



NOTES

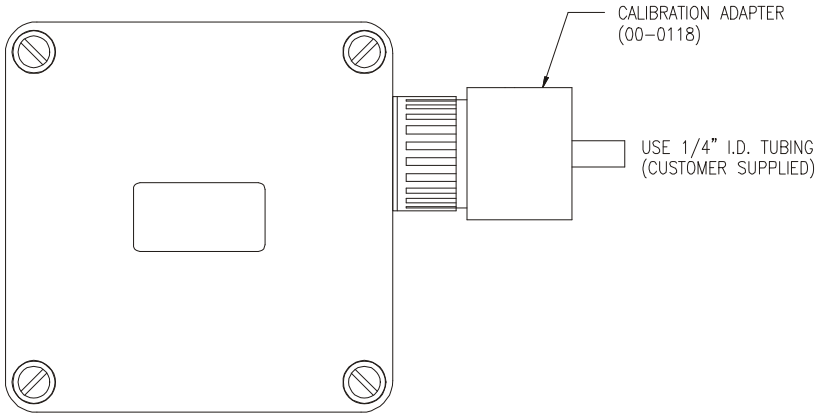
1) Enclosure Ratings:

   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.

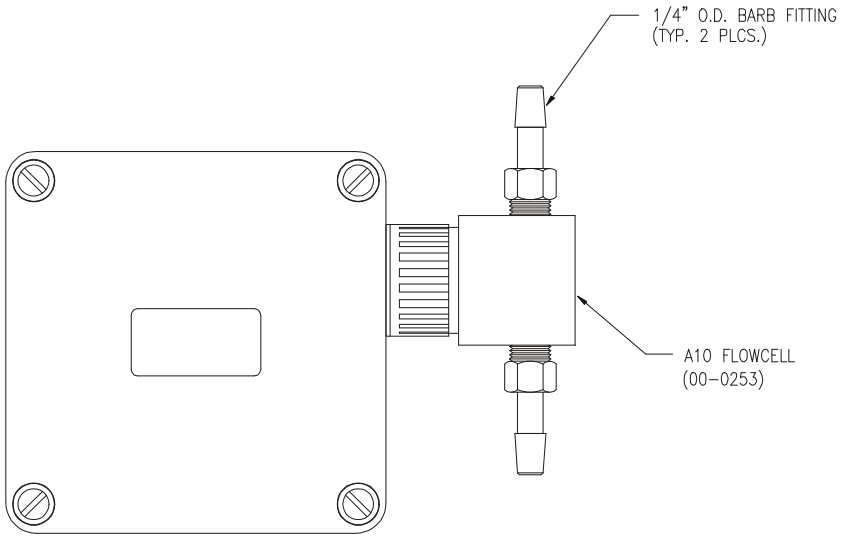
3) To maintain the integrity of the transmitter, explosion-proof conduit and cable entry seals are required by local electrical codes.

A11 TRANSMITTER w/ A10 SENSOR CALIBRATION ADAPTER



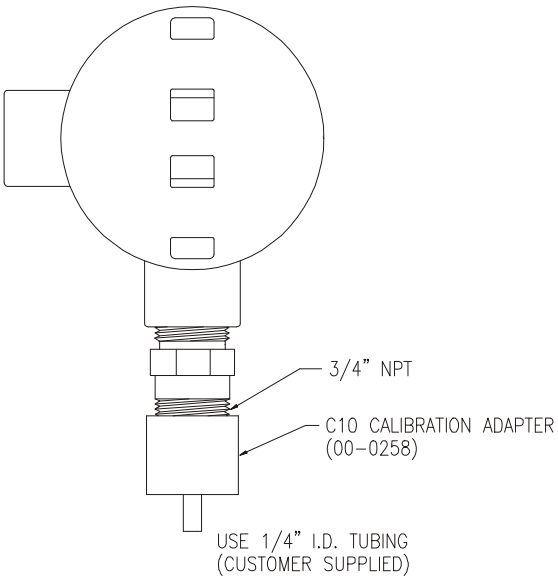
ATI-0464

A11 TRANSMITTER w/ A10 SENSOR FLOWCELL ASSEMBLY



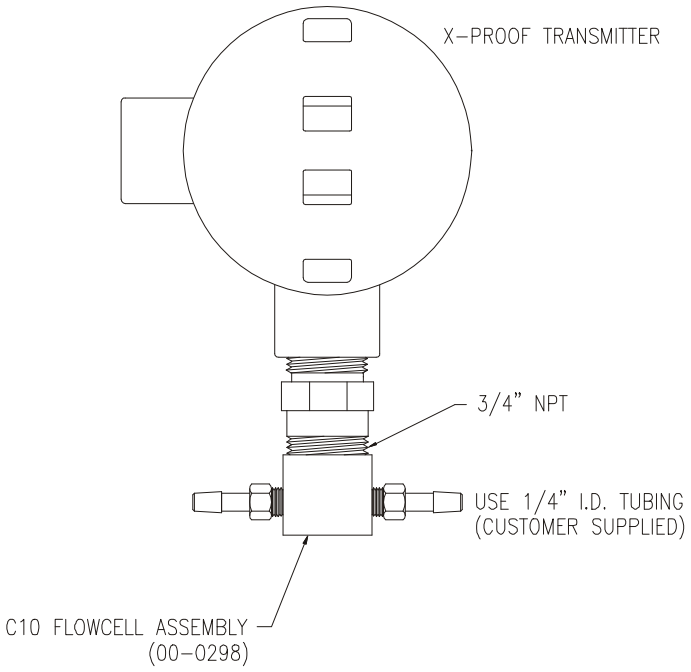
ATI-0463

X-PROOF TRANSMITTER w/ C10 SENSOR CALIBRATION ADAPTER



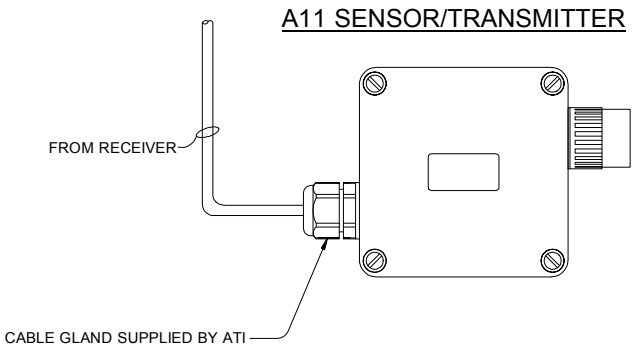
ATI-0466

X-PROOF TRANSMITTER w/ C10 SENSOR FLOWCELL ASSEMBLY

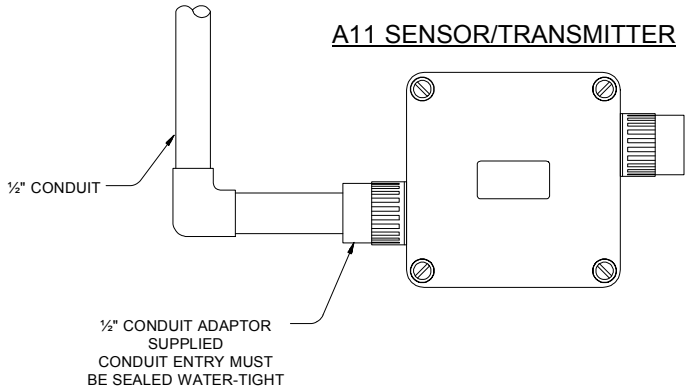


ATI-0465

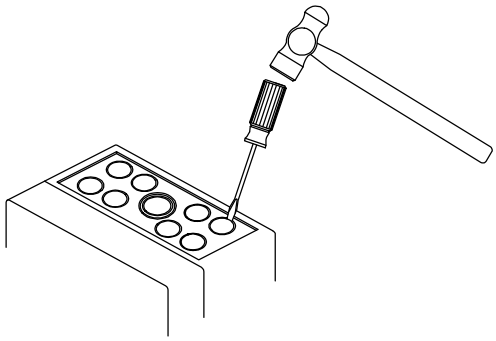
CABLE GLAND INSTALLATION



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.