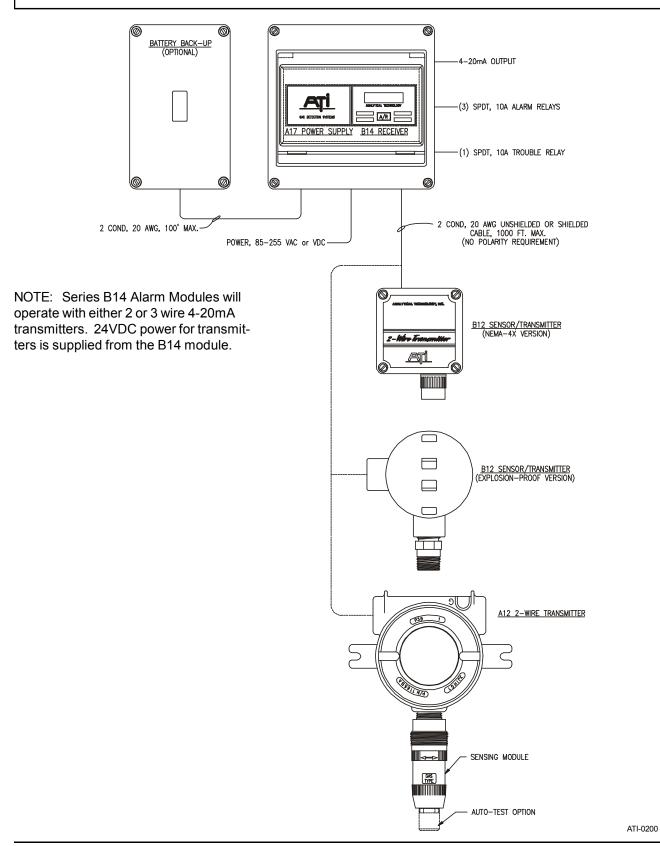


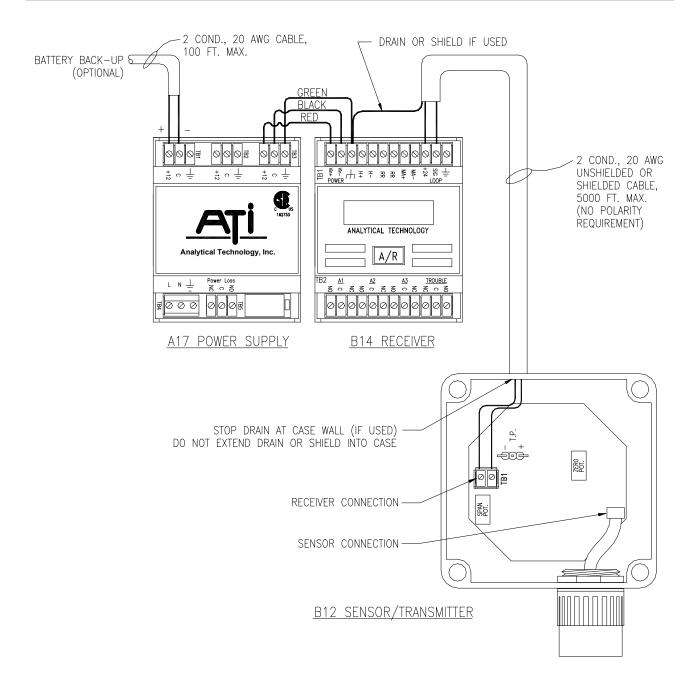
#### SINGLE CHANNEL SYSTEM



SS-B14RK, (4/16) Page 1 of 16



#### **B14 SYSTEM WITH B12 SENSOR/TRANSMITTER**

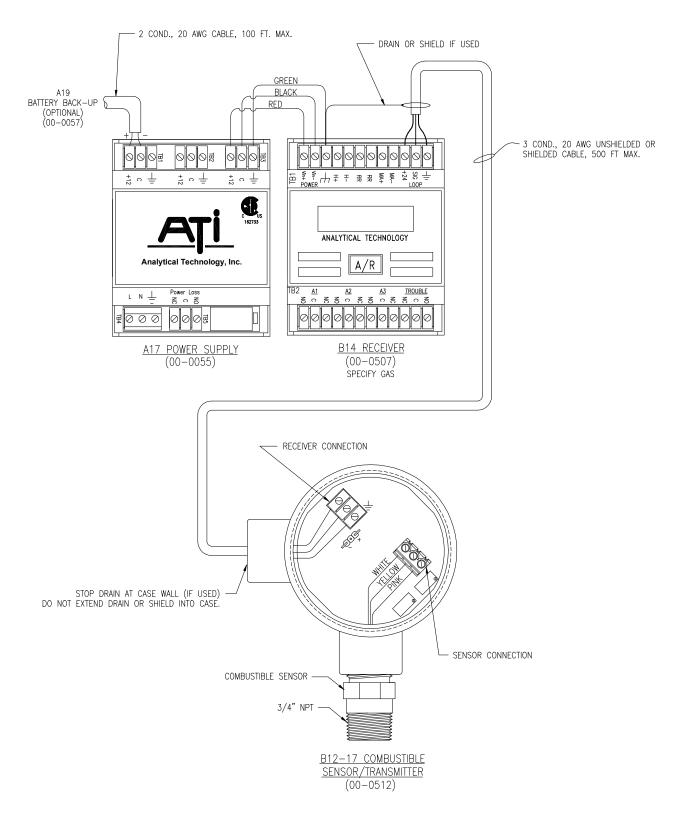


ATI-0175

SS-B14RK, (4/16) Page 2 of 16



## **B14 SYSTEM WITH B12-17 COMBUSTIBLE SENSOR/TRANSMITTER**

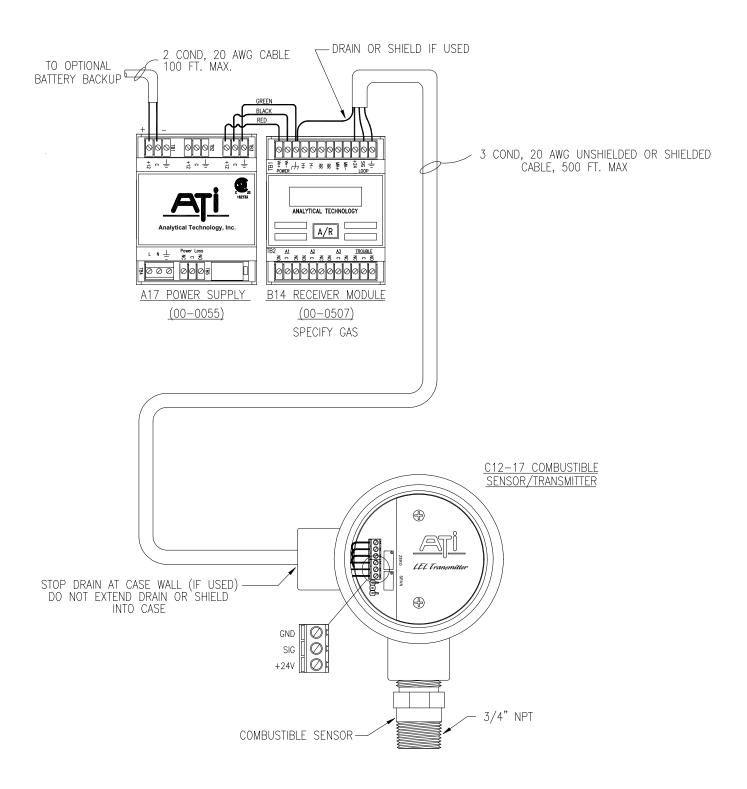


ATI-0217

SS-B14RK, (4/16) Page 3 of 16



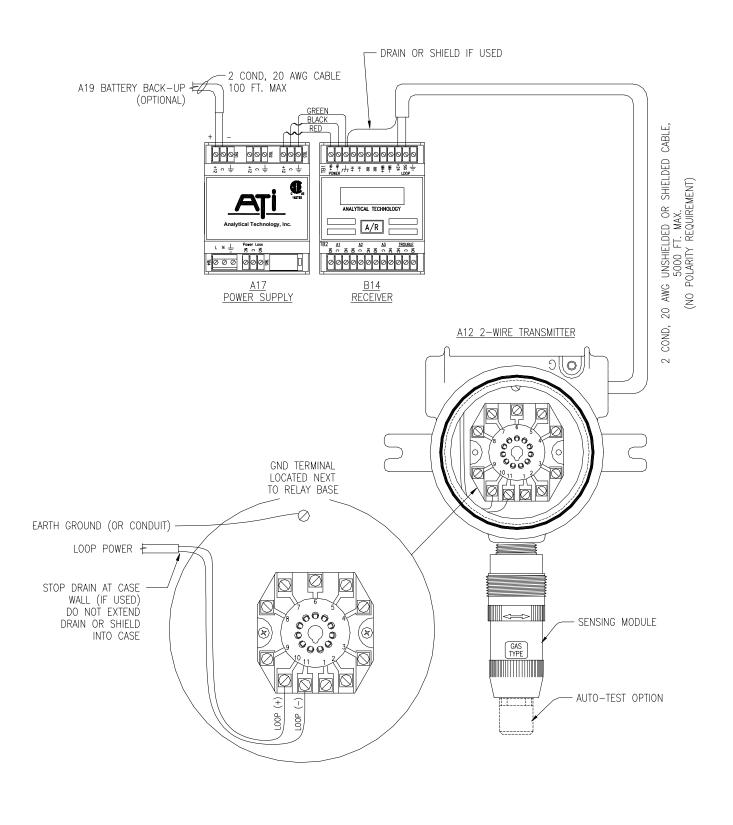
## **B14 SYSTEM WITH C12-17 COMBUSTIBLE SENSOR/TRANSMITTER**



SS-B14RK, (4/16) Page 4 of 16



## **B14 SYSTEM WITH A12 2-WIRE TRANSMITTER**

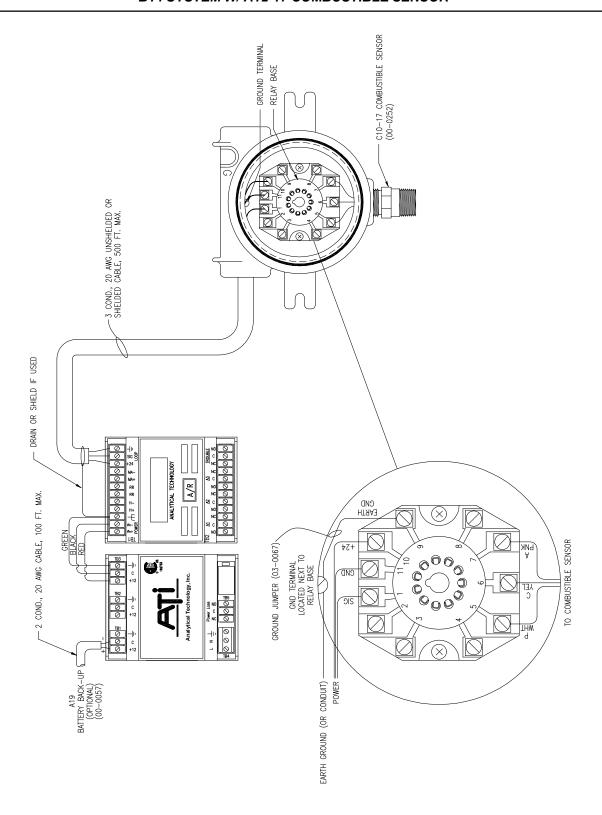


ATI-0179

SS-B14RK, (4/16) Page 5 of 16



# **B14 SYSTEM W/ A12-17 COMBUSTIBLE SENSOR**

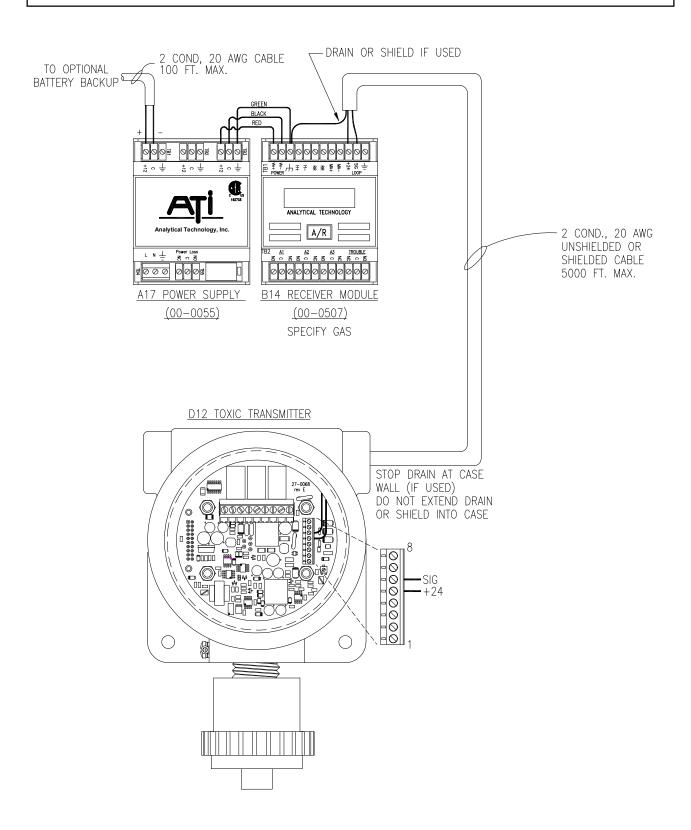


ATI-0366

SS-B14RK, (4/16) Page 6 of 16



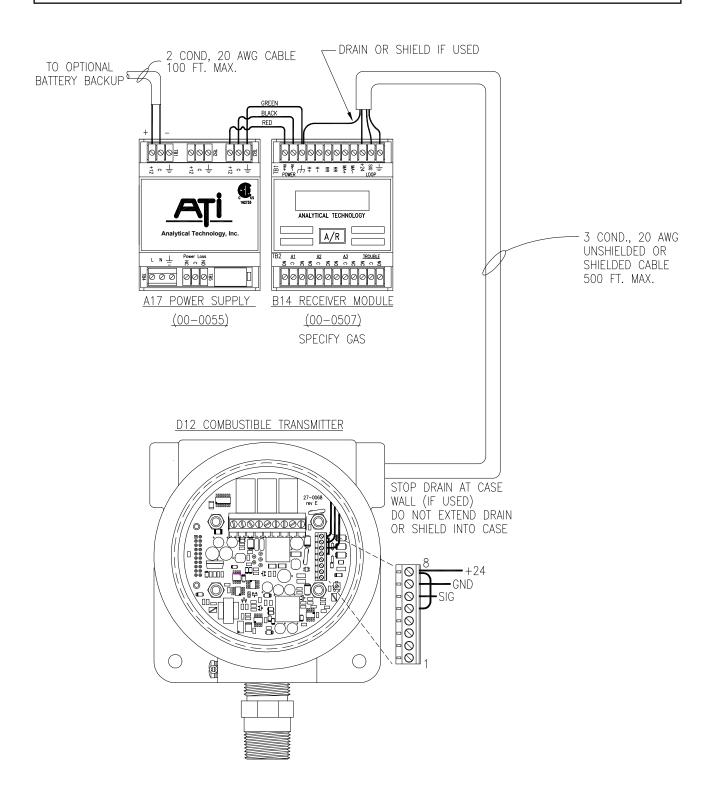
# B14 SYSTEM W/ D12 TRANSMITTER (2-WIRE CONFIGURATION)



SS-B14RK, (4/16) Page 7 of 16



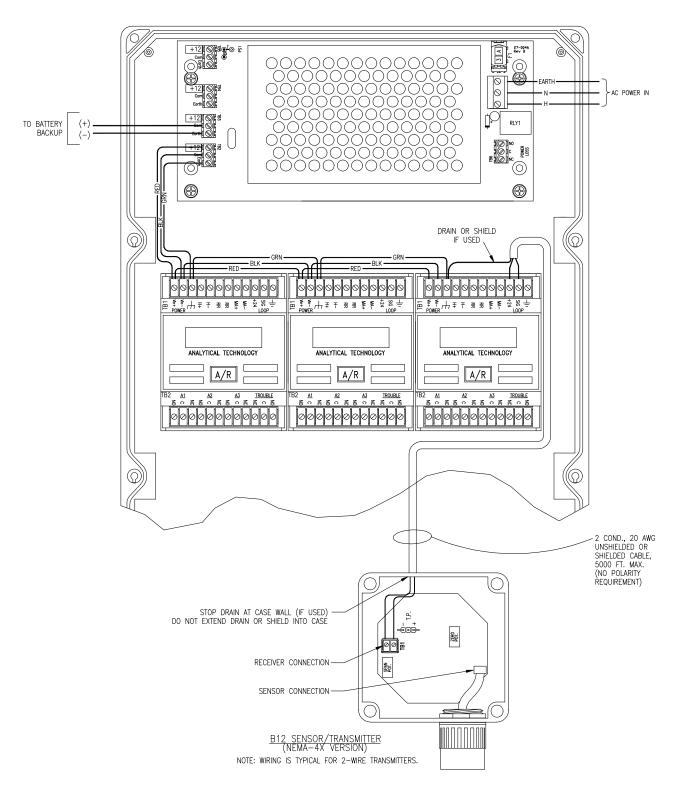
# B14 SYSTEM W/ D12 TRANSMITTER (3-WIRE CONFIGURATION)



SS-B14RK, (4/16) Page 8 of 16



## 65W POWER SUPPLY (28-0004) WIRING CONFIGURATION

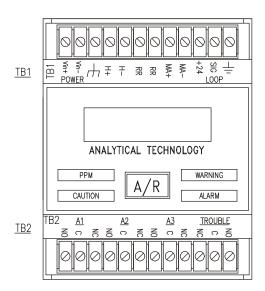


ATI-0545

SS-B14RK, (4/16) Page 9 of 16



## **B14 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.

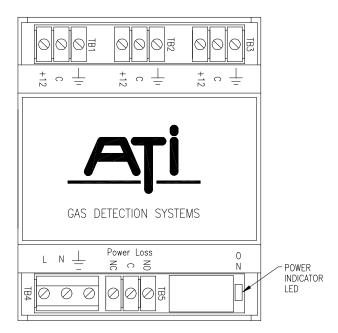
#### TB1

POWER Vin+ 1: 2: POWER Vin-Earth Ground (REQUIRED) 3: 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: +24 .....24V Loop Supply 11: SIG ..... Milliamp (+) Input 12: GROUND ..... Milliamp (-) Input

## TB2

1:	(A1 NO)	. Alarm 1 Normally 0	Open Contact
2:	(A1 C)	. Alarm 1 Common	
3:	(A1 NC)	. Alarm 1 Normally 0	Closed Contact
4:	(A2 NO)	. Alarm 2 Normally 0	Open Contact
5:	(A2 C)	. Alarm 2 Common	
6:	(A2 NC)	. Alarm 2 Normally 0	Closed Contact
7:	(A3 NO)	. Alarm 3 Normally 0	Open Contact
8:	(A3 C)	. Alarm 3 Common	
9:	(A3 NC)	. Alarm 3 Normally 0	Closed Contact
10:	(TROUBLE NC)	. Trouble Normally C	Closed Contact
11:	(TROUBLE C)	. Trouble Common	
12:	(TROUBLE NO)	. Trouble Normally C	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.	() Farth 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)

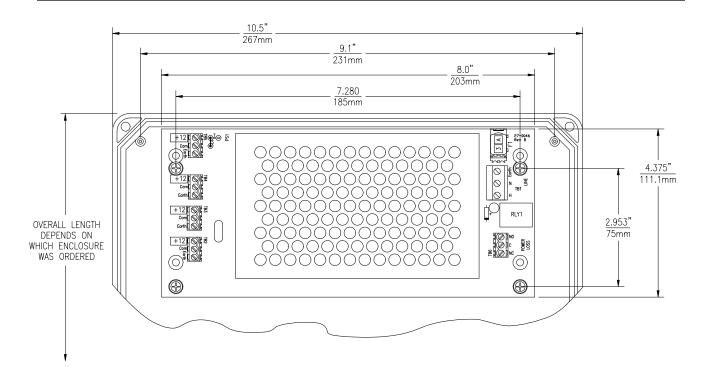
#### TB5

1:	(NC)	Power Failure Normally Closed Contact
2:	(C)	Power Failure Common
2.	(NIO)	Dawer Failure Normally Open Contact

SS-B14RK, (4/16) Page 10 of 16

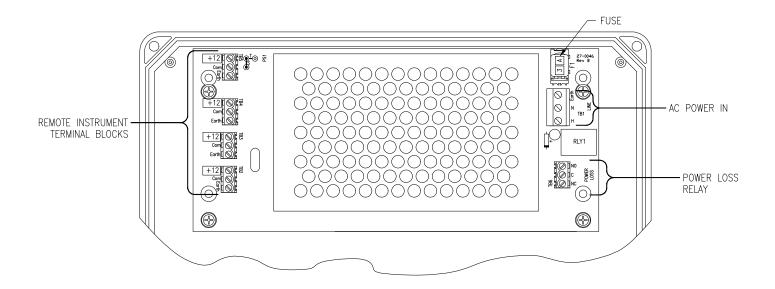


## 65W P/S (28-0004) TYP. INSTALLATION FOR 3,6 DEEP & 9,12 MODULE ENCLOSURES



## ATI-0359

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

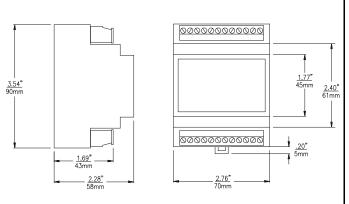


ATI-0360

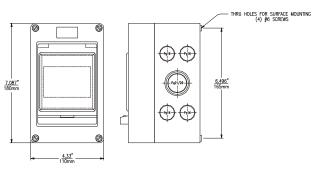
SS-B14RK, (4/16) Page 11 of 16



## RECEIVER/POWER SUPPLY MODULES

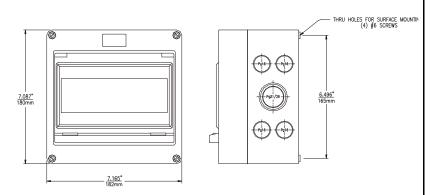


#### #80-0005 SINGLE MODULE ENCLOSURE



ATI-012

## #80-0006 TWO MODULE ENCLOSURE



## **NOTES**

1) Enclosure Ratings:

Nema-4X / IP 65

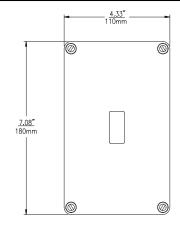
2) Enclosure Material:

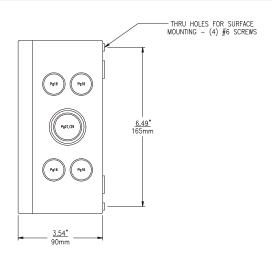
Polystyrene base and cover, hinged transparent door with push-release latch.

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

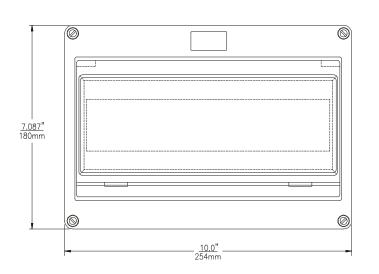


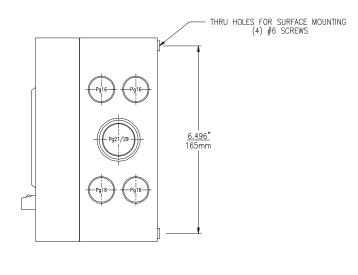


SS-B14RK, (4/16) Page 12 of 16

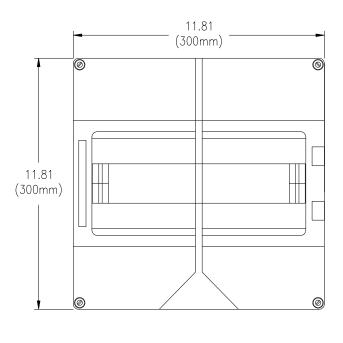


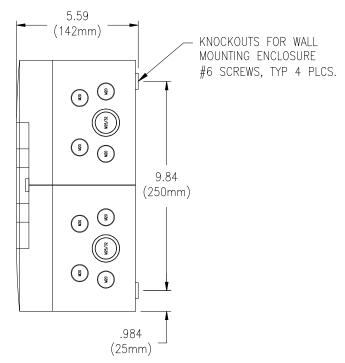
# #80-0007 THREE MODULE ENCLOSURE





# #80-0033 THREE MODULE ENCLOSURE (DEEP)

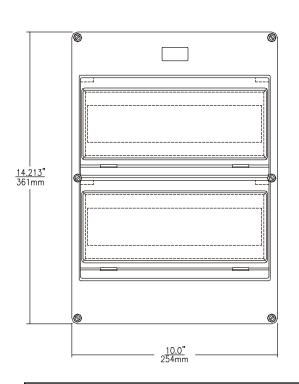


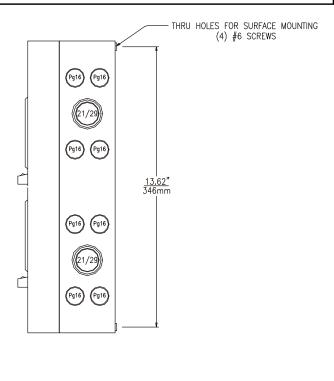


SS-B14RK, (4/16) Page 13 of 16

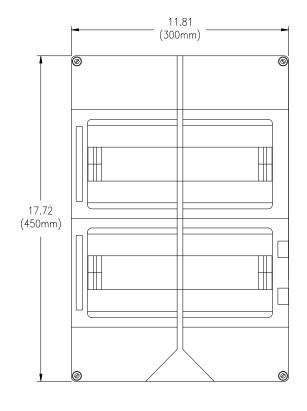


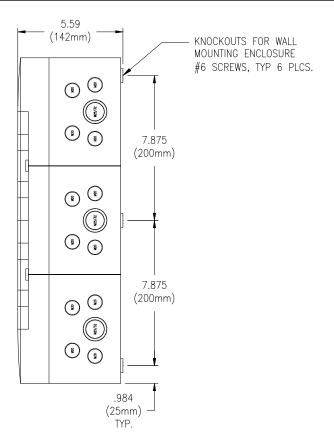
# #80-0008 SIX MODULE ENCLOSURE (STANDARD)





# #80-0027 SIX MODULE ENCLOSURE (DEEP)

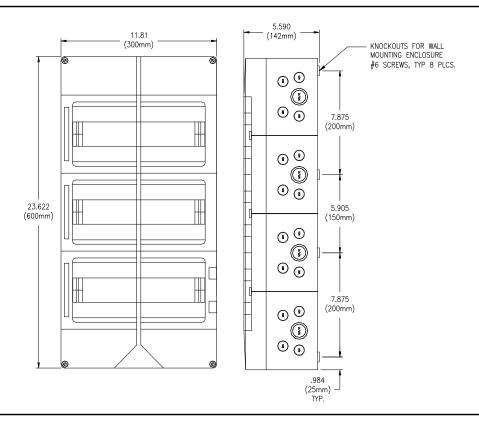




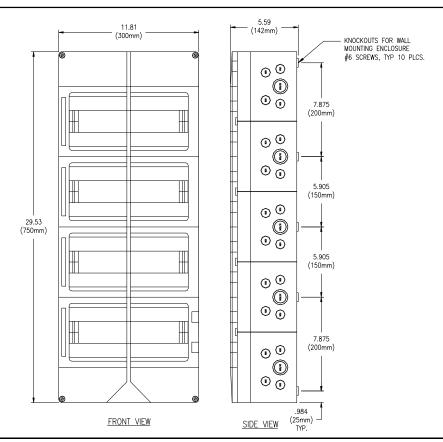
SS-B14RK, (4/16) Page 14 of 16



# #80-0024 NINE MODULE ENCLOSURE



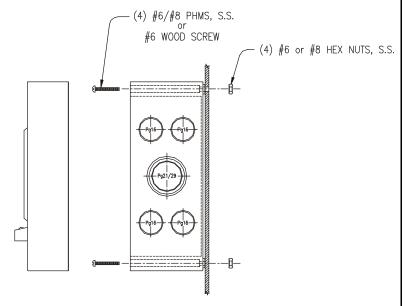
## #80-0026 TWELVE MODULE ENCLOSURE



SS-B14RK, (4/16) Page 15 of 16



#### SURFACE MOUNT INSTALLATION

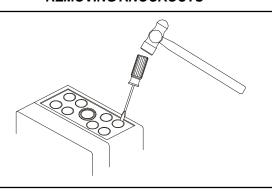


#### **NOTES**

- 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.
- 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.

ATI-0109

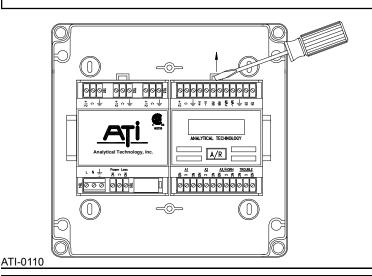
## **REMOVING KNOCKOUTS**



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

ATI-079

#### **MOUNTING/REMOVING RECEIVER MODULES**



 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.

SS-B14RK, (4/16) Page 16 of 16