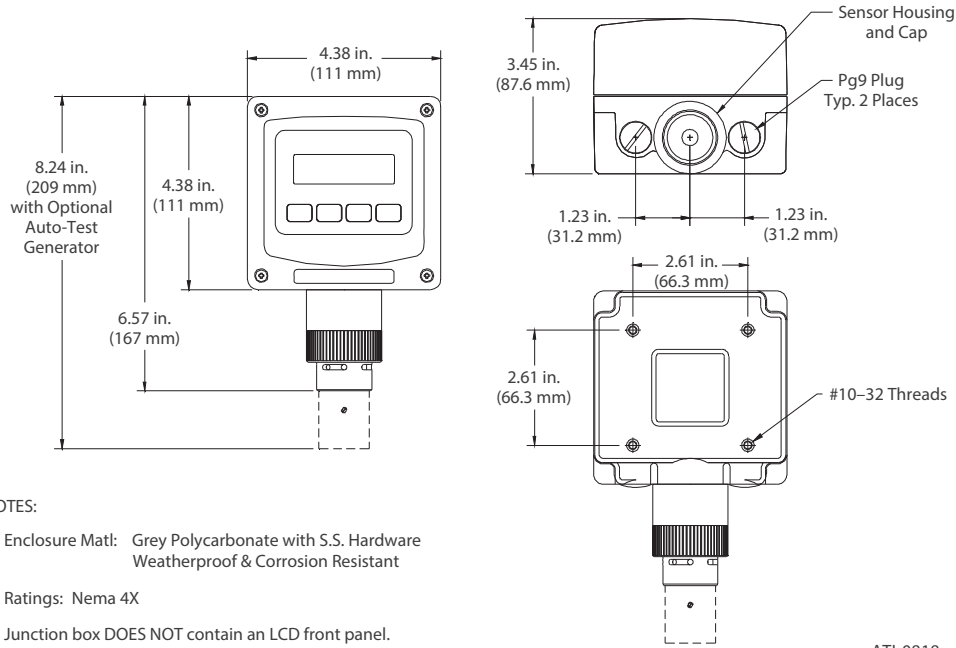
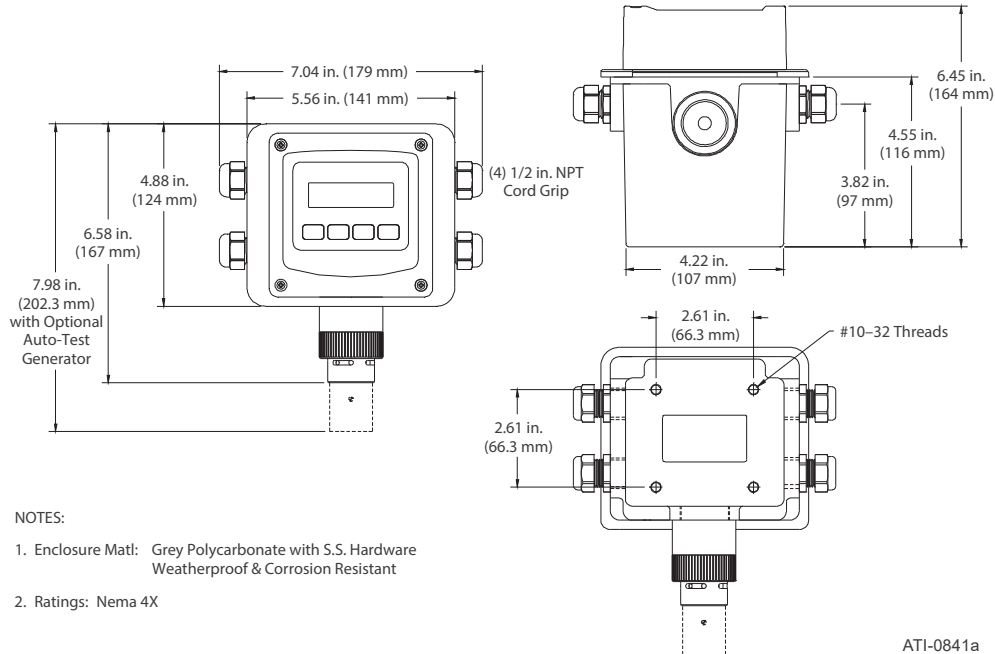


RS485 AND JUNCTION BOX ENCLOSURE DIMENSIONS



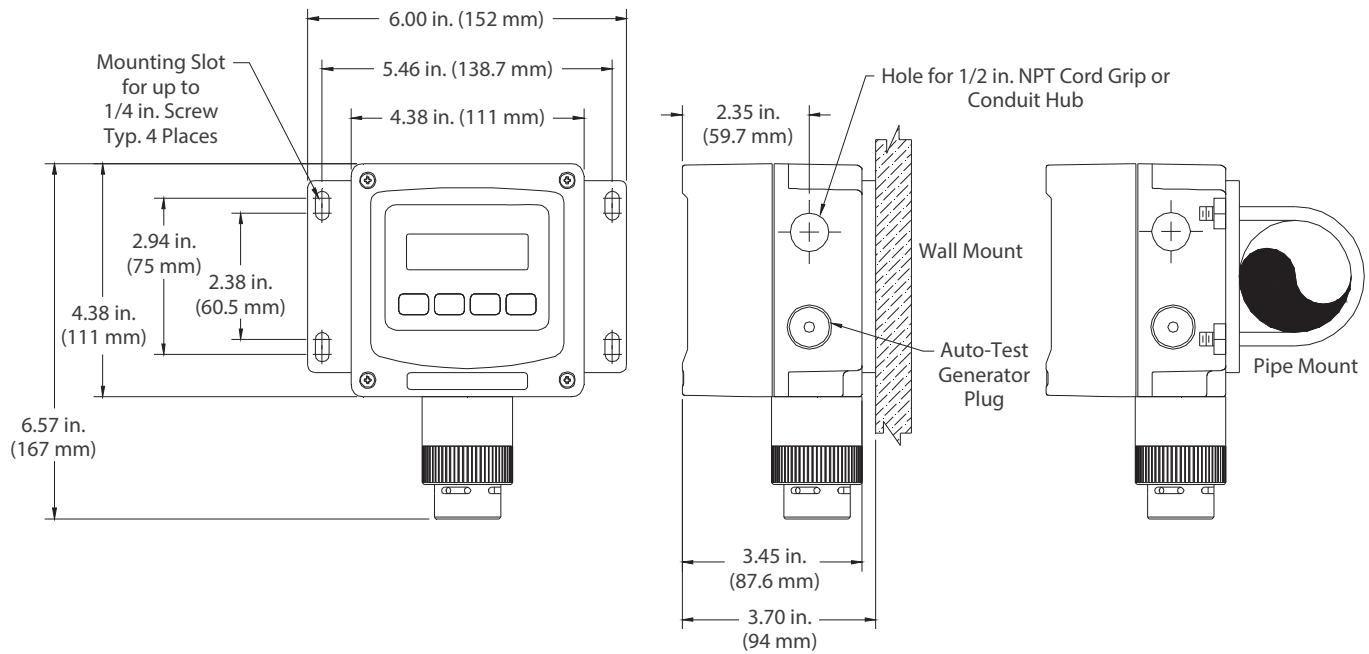
ATI-0818a

AC OR DC POWERED ENCLOSURE DIMENSIONS



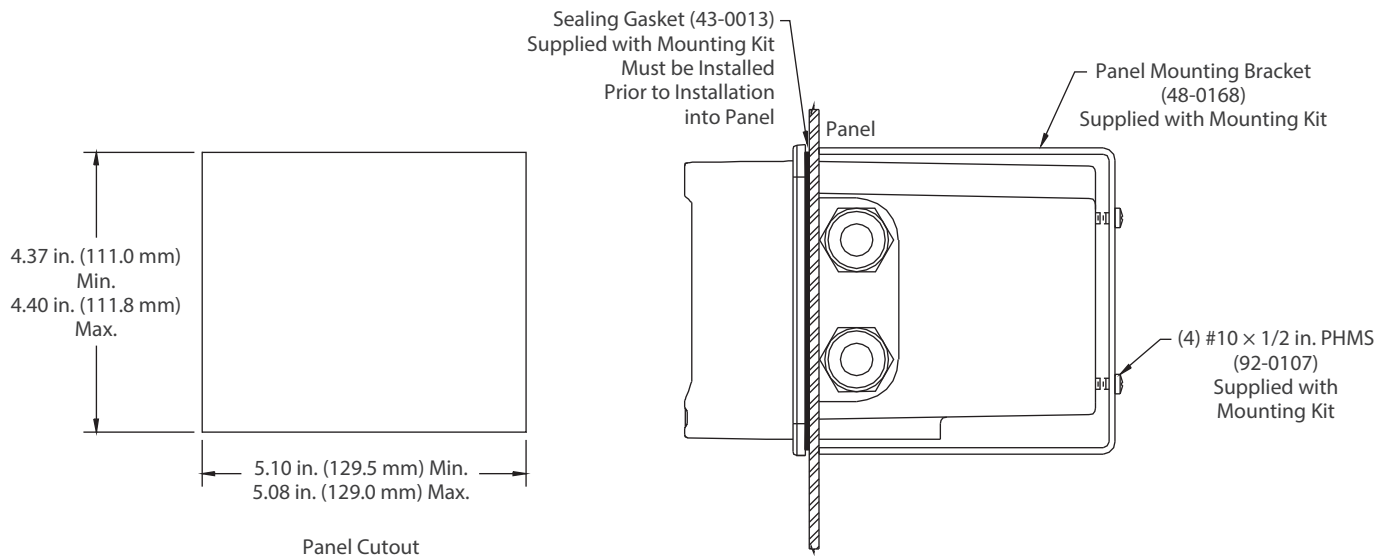
ATI-0841a

ENCLOSURE MOUNTING OPTIONS



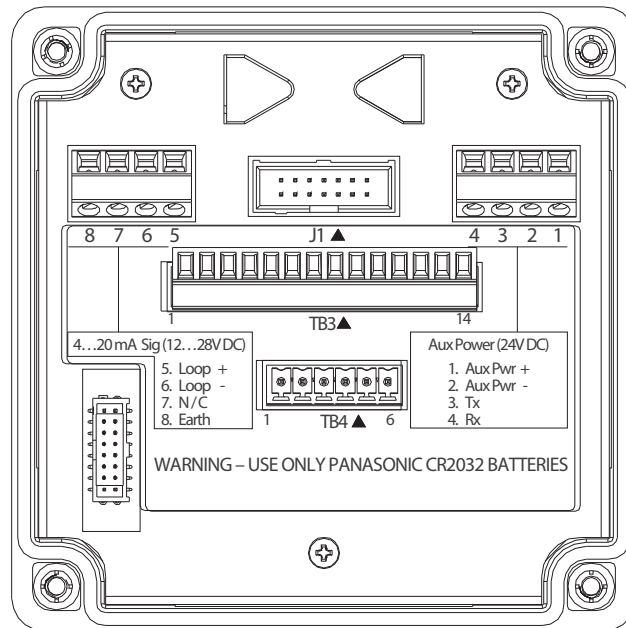
ATI-0821

PANEL MOUNT TRANSMITTER



ATI-0842

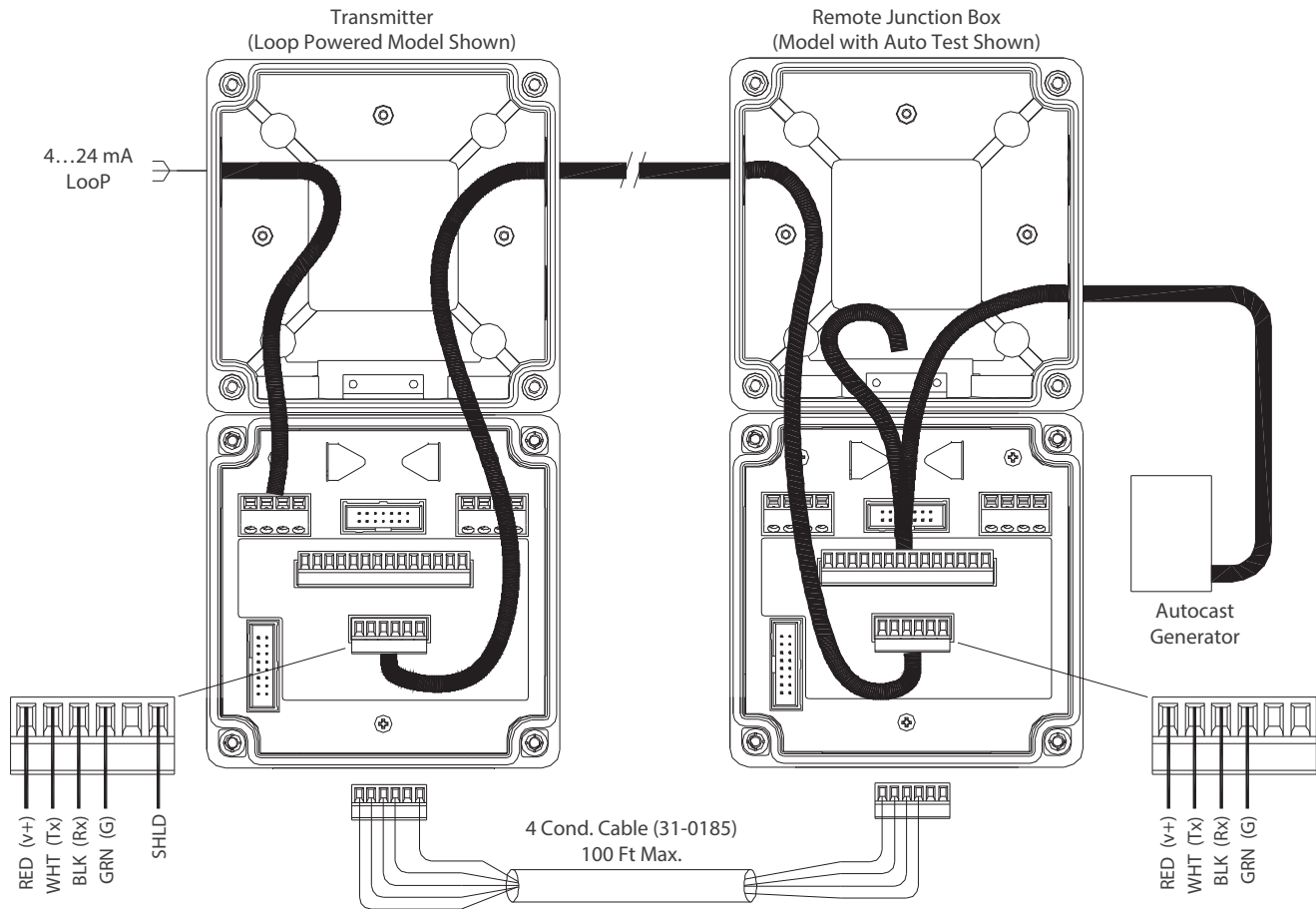
TRANSMITTER CONNECTIONS



Sensor Connections		
TB3 Position	Sensor Wires	Generator Wires
1	White	
2	Yellow	
3	Blue	Blue
4	Purple	White
5	Gray	
6		Green
7	Black	
8	Brown	Black
9	Red	Red
10	Orange	Orange
11		White/ Black
12	Green	

Power and Communication Terminals	
Terminal	Description
1	Communication interface supply (+), 10...28V DC. Required for RS232 and RS485 only, not HART.
2	Communication interface supply common (-)
3	RS232 Tx, RS485 A Signal
4	RS232 Rx, RS485 B Signal
5	Transmitter current loop output (-)
6	Transmitter current loop output (-)
7	Communication interface signal common (-)
8	Earth ground

REMOTE SYSTEM INTERCONNECT WIRING DIAGRAM

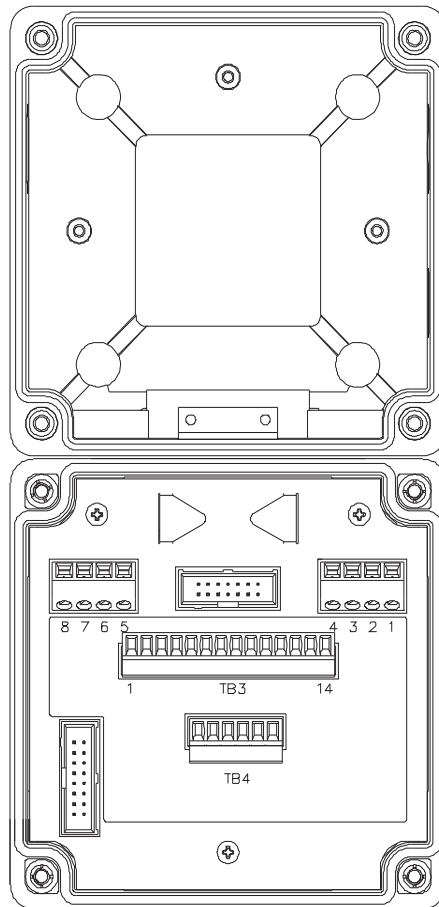


ATI-0840

Electrical Connections		
TB3 Position	Sensor Wires	Generator Wires
1	White	
2	Yellow	
3	Blue	Blue
4	Purple	White
5	Gray	
6		Green
7	Black	
8	Brown	Black
9	Red	Red
10	Orange	Orange
11		White/ Black
12	Green	

HEATED SENSOR WIRING DIAGRAM – TRANSMITTER, LOOP POWERED

Transmitter
(Loop Powered Model Shown)

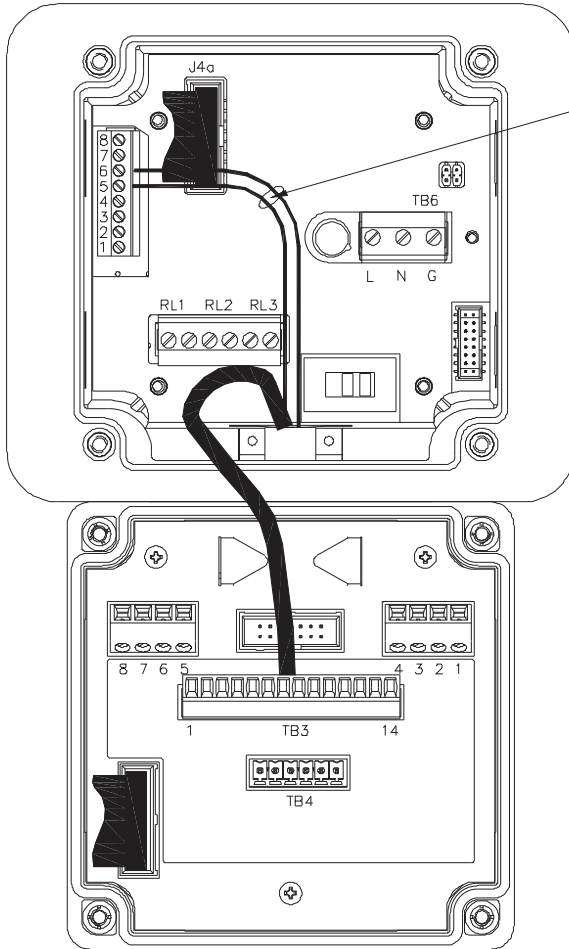


Electrical Connections		
TB3 Position	Sensor Wires	Generator Wires
1	White	
2	Yellow	
3	Blue	Blue
4	Purple	White
5	Gray	
6		Green
7	Black	
8	Brown	Black
9	Red	Red
10	Orange	Orange
11		White/ Black
12	Green	
13	Pink *	
14	Pink *	

* If using the 6 ft heated sensor (00-1878), red wires will be connected in place of pink wires.

HEATED SENSOR WIRING DIAGRAM – TRANSMITTER, AC OR VDC POWERED

Transmitter AC or V DC Powered Version

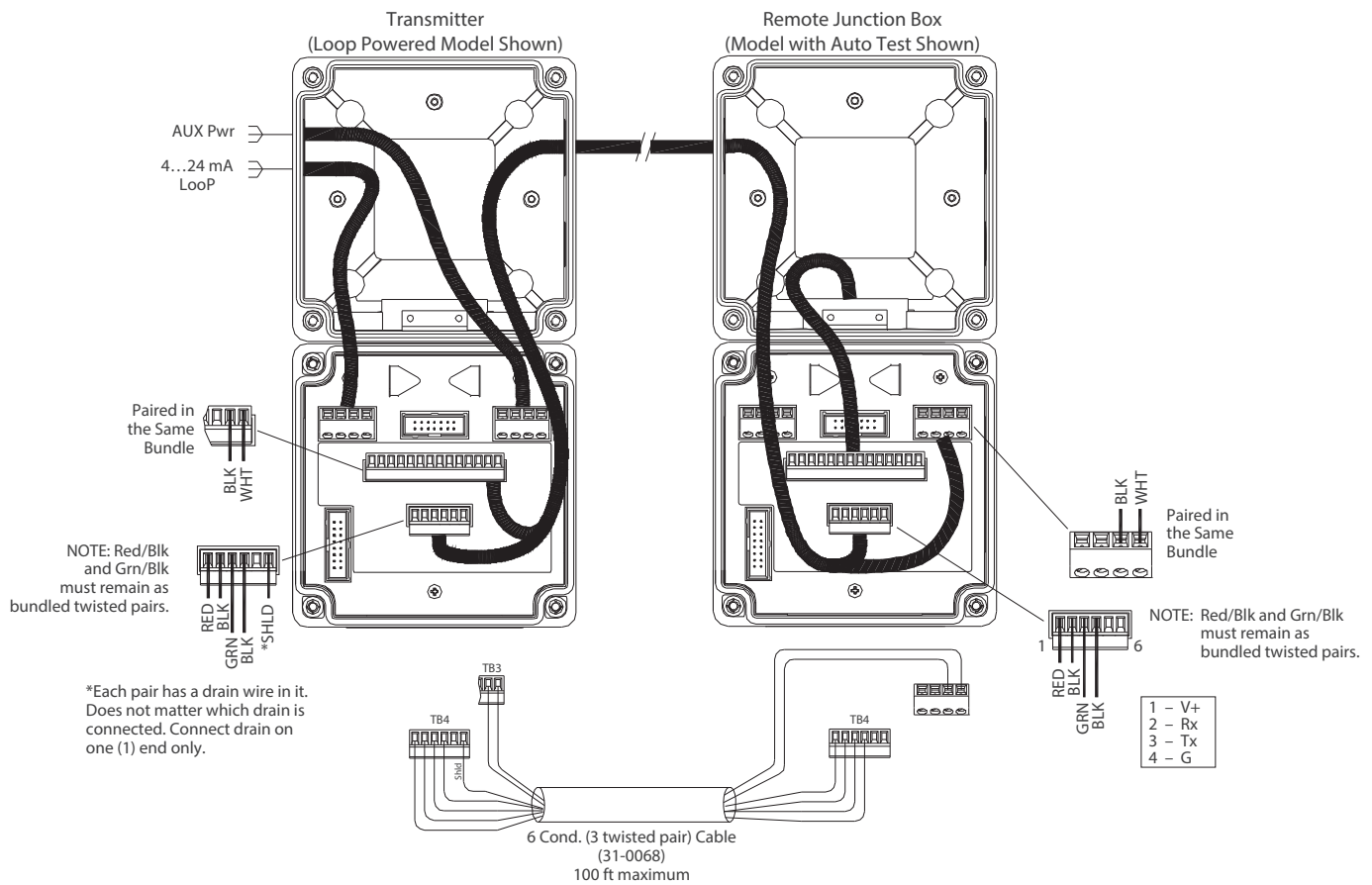


If using close coupled heated sensor (00-1699), wire colors will be pink.

If using 6 ft heated sensor (00-1878), wire colors will be red.

Electrical Connections		
TB3 Position	Sensor Wires	Generator Wires
1	White	
2	Yellow	
3	Blue	Blue
4	Purple	White
5	Gray	
6		Green
7	Black	
8	Brown	Black
9	Red	Red
10	Orange	Orange
11		White/ Black
12	Green	

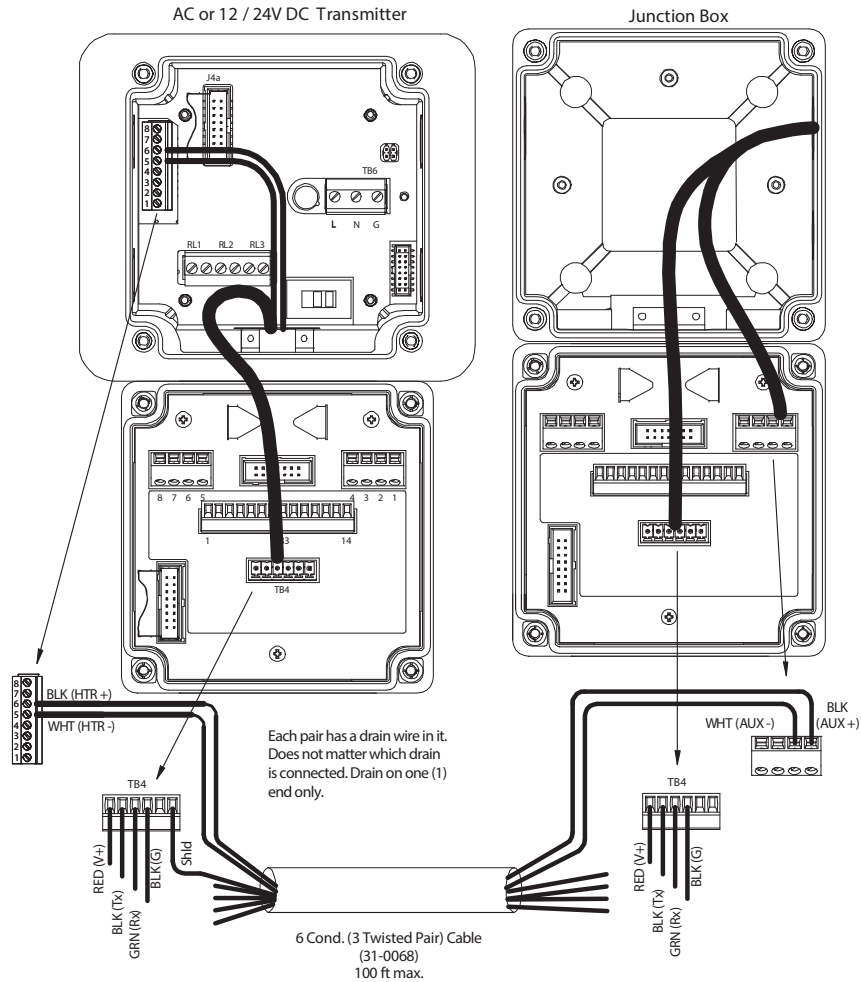
REMOTE SYSTEM (WITH HEATED SENSOR) INTERCONNECT WIRING DIAGRAM – LOOP POWERED



Electrical Connections Inside Junction Box		
TB3 Position	Sensor Wires	Generator Wires
1	White	
2	Yellow	
3	Blue	Blue
4	Purple	White
5	Gray	
6		Green
7	Black	
8	Brown	Black
9	Red	Red
10	Orange	Orange
11		White/ Black
12	Green	
13	Pink *	
14	Pink *	

* If using the 6 ft heated sensor (00-1878), red wires will be connected in place of pink wires.

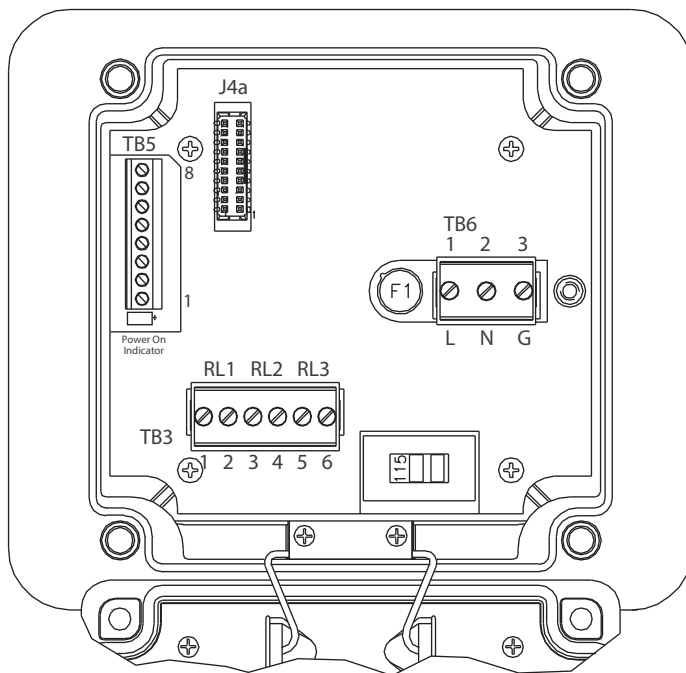
REMOTE SYSTEM (WITH HEATED SENSOR) INTERCONNECT WIRING DIAGRAM – AC OR VDC POWERED



Electrical Connections Inside Junction Box		
TB3 Position	Sensor Wires	Generator Wires
1	White	
2	Yellow	
3	Blue	Blue
4	Purple	White
5	Gray	
6		Green
7	Black	
8	Brown	Black
9	Red	Red
10	Orange	Orange
11		White/ Black
12	Green	
13	Pink *	
14	Pink *	

* If using the 6 ft heated sensor (00-1878), red wires will be connected in place of pink wires.

RELAY BOARD CONNECTIONS



J4a
Connects to (Aux)
on Front Lid of Transmitter

TB3
1 - RL1 Contact NO
2 - RL1 Contact C
3 - RL2 Contact NO
4 - RL2 Contact C
5 - RL3 Contact NC
6 - RL3 Contact C

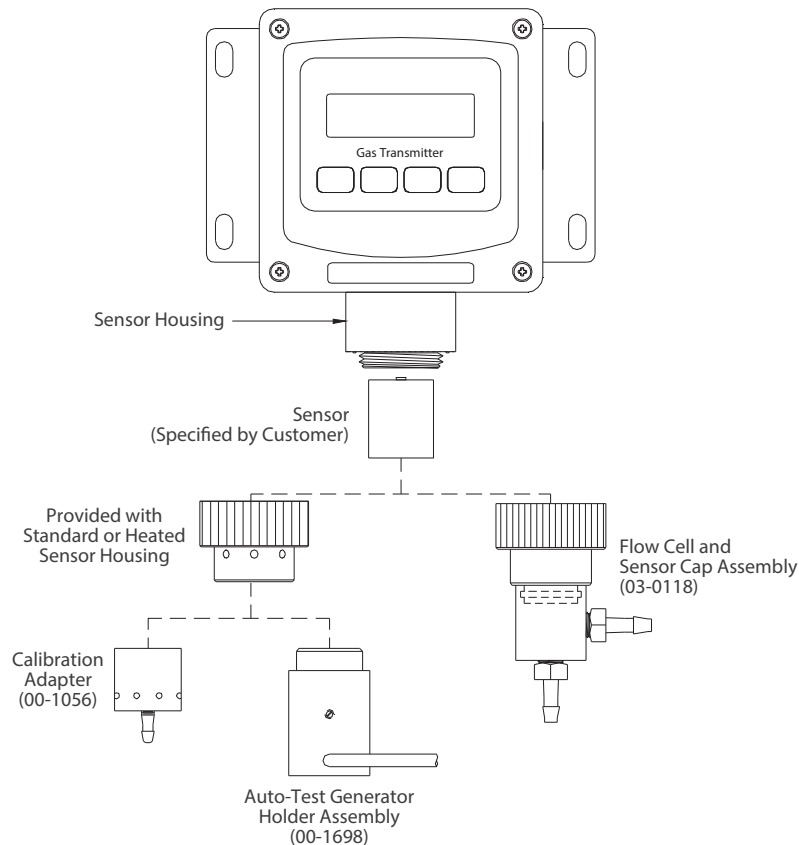
TB5
1 - RS232 / 485 Power (+)
2 - Remote Reset (+)
3 - Remote Reset (-)
4 - RS232 / 485 Power (-)
5 - Heater (Lo)
6 - Heater (Hi)
7 - Loop Power (+)
8 - Loop Power (-)

TB6 - (AC Power)
1 (L) - 115 / 230V AC, 60 / 50 Hz
2 (N) - Neutral
3 (G) - Ground

TB6 - (DC Power)
1 (+) - 12...30V DC
2 (-) - Common
3 (G) - Ground

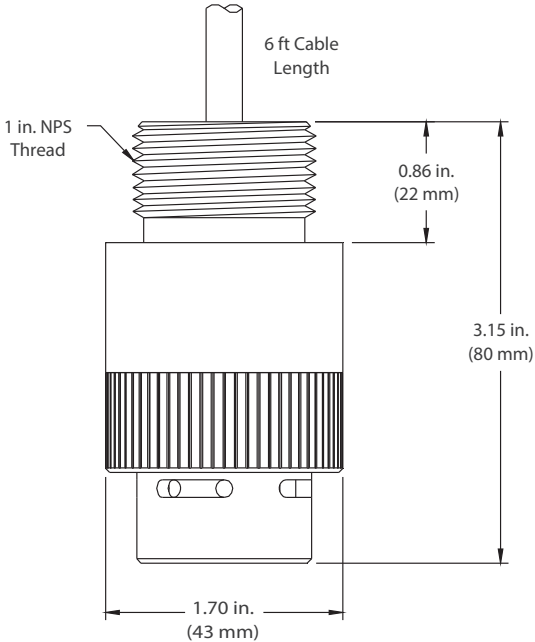
ATI-0847

TRANSMITTER ACCESSORIES



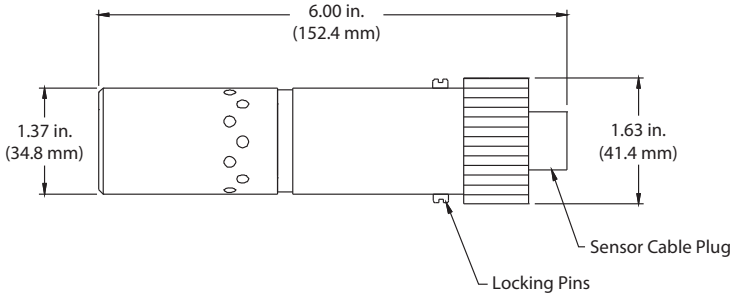
ATI-0820

6 FOOT REMOTE SENSOR DIMENSIONS



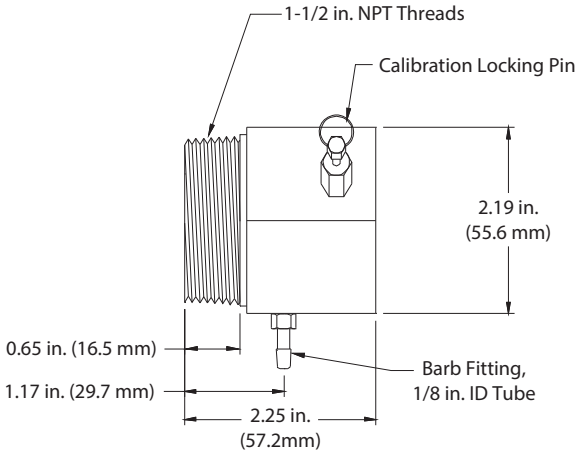
ATI-1032

INSERTION SENSOR DIMENSIONS



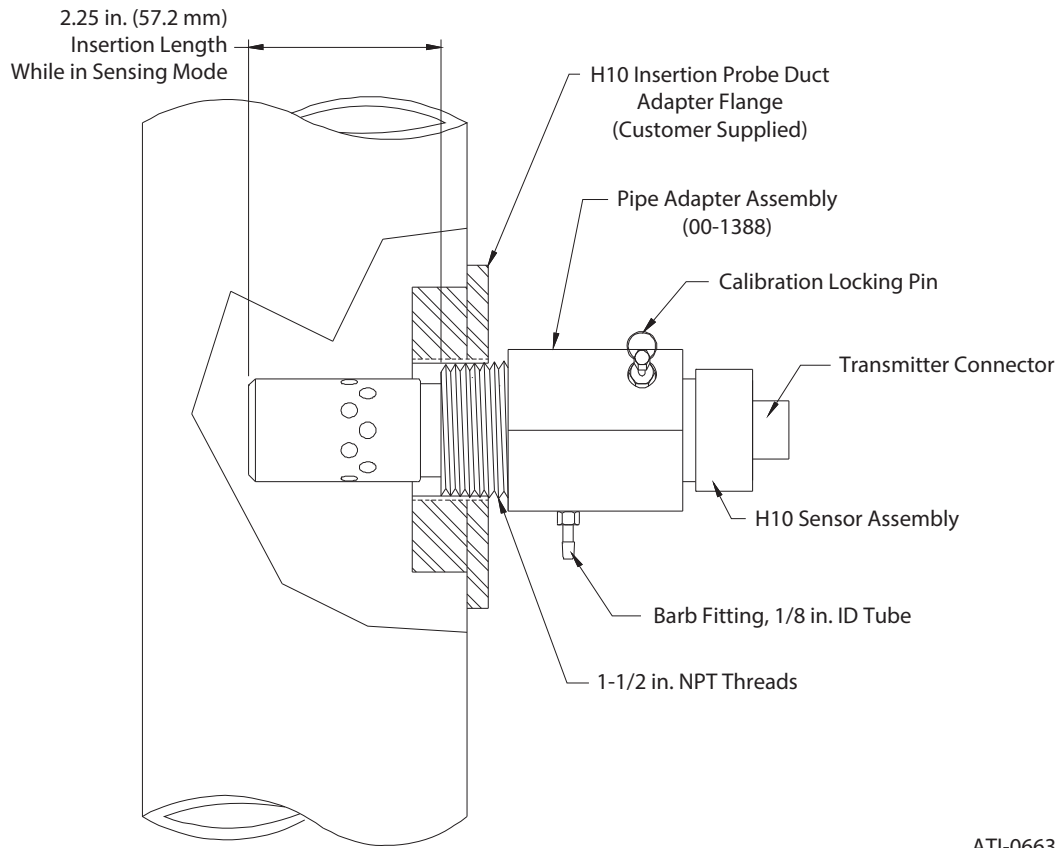
ATI-0669

PIPE ADAPTER DIMENSIONS



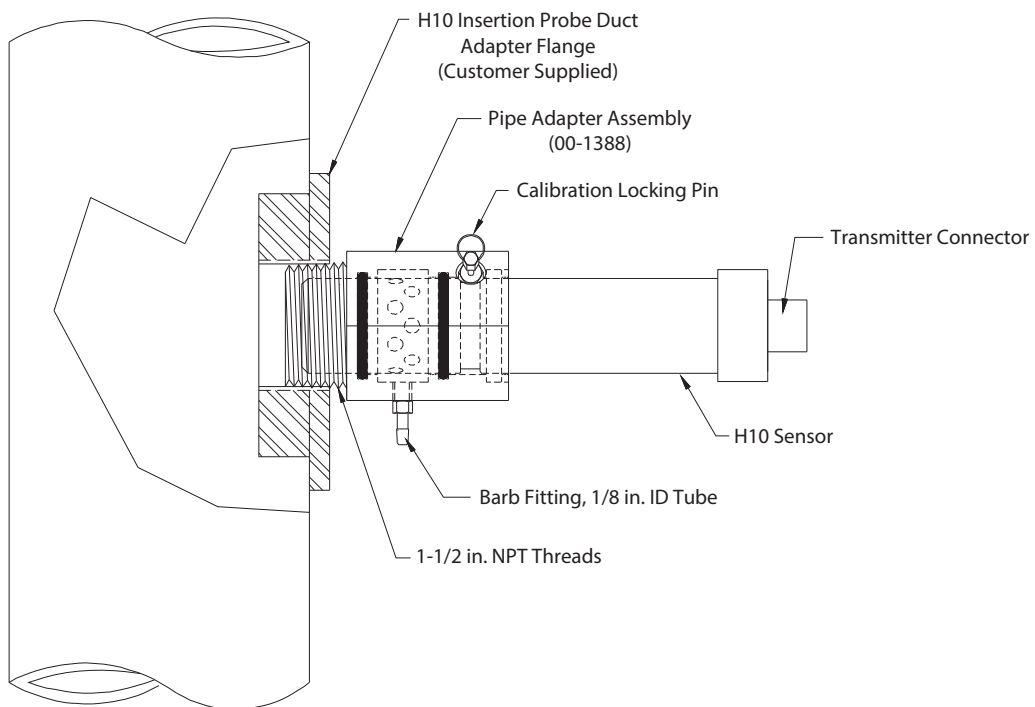
ATI-0670

INSERTION PROBE – OPERATING MODE



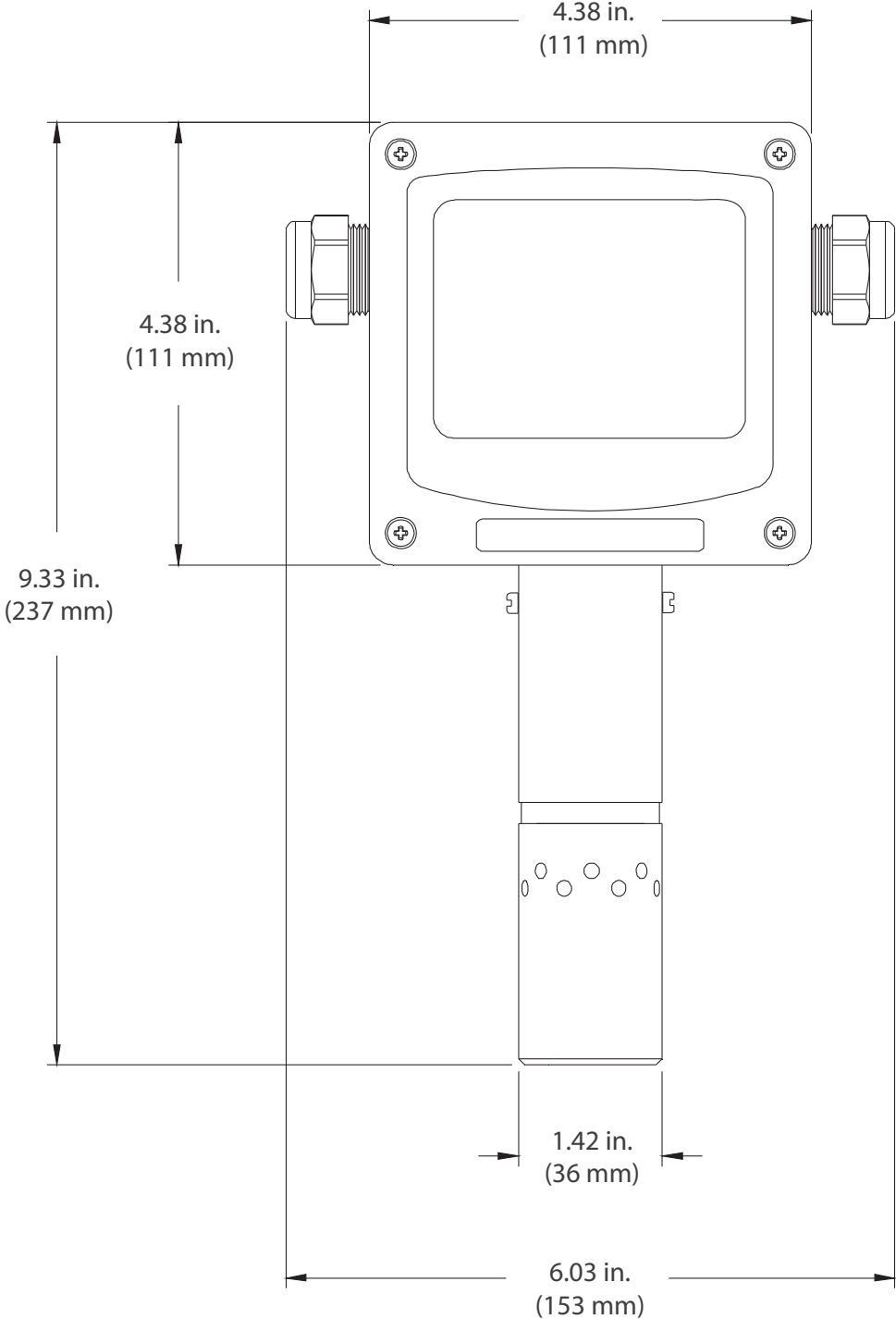
ATI-0663

INSERTION PROBE – CALIBRATING MODE



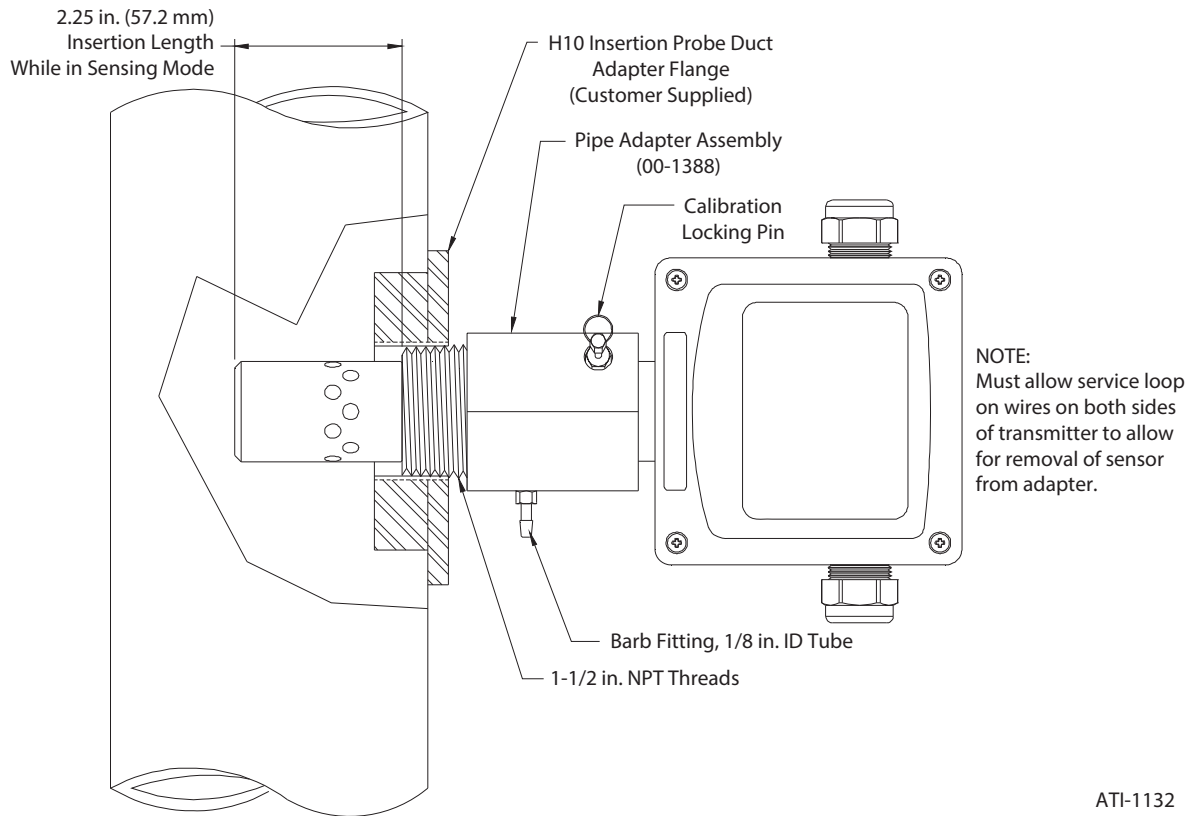
ATI-0664

INTEGRAL INSERTION PROBE DIMENSIONS

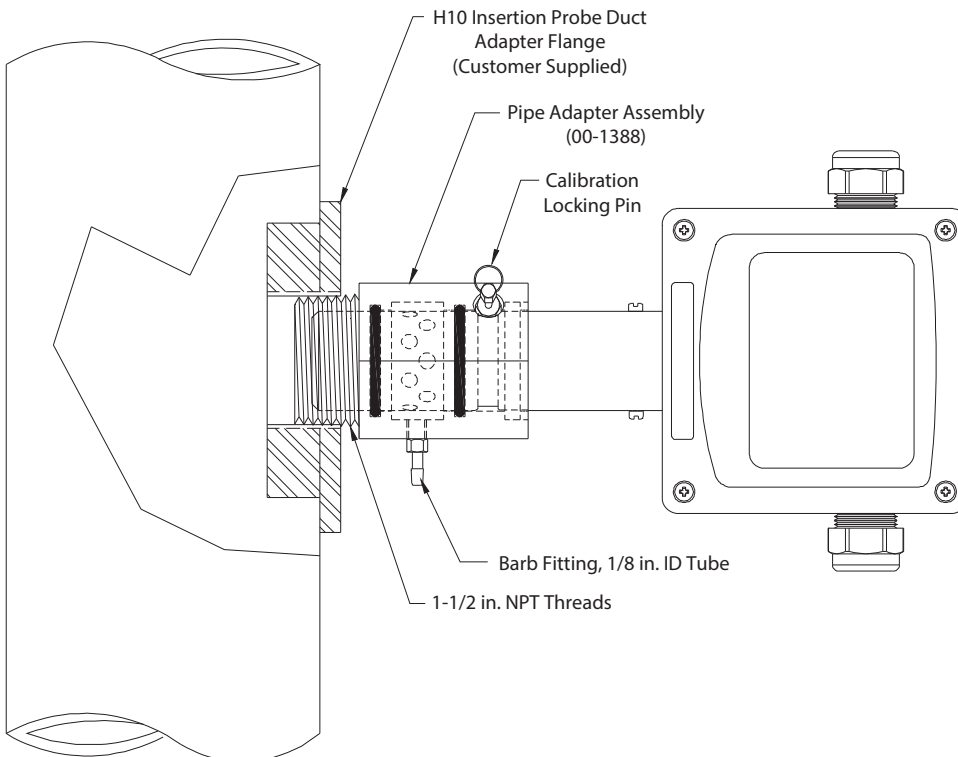


ATI-1131

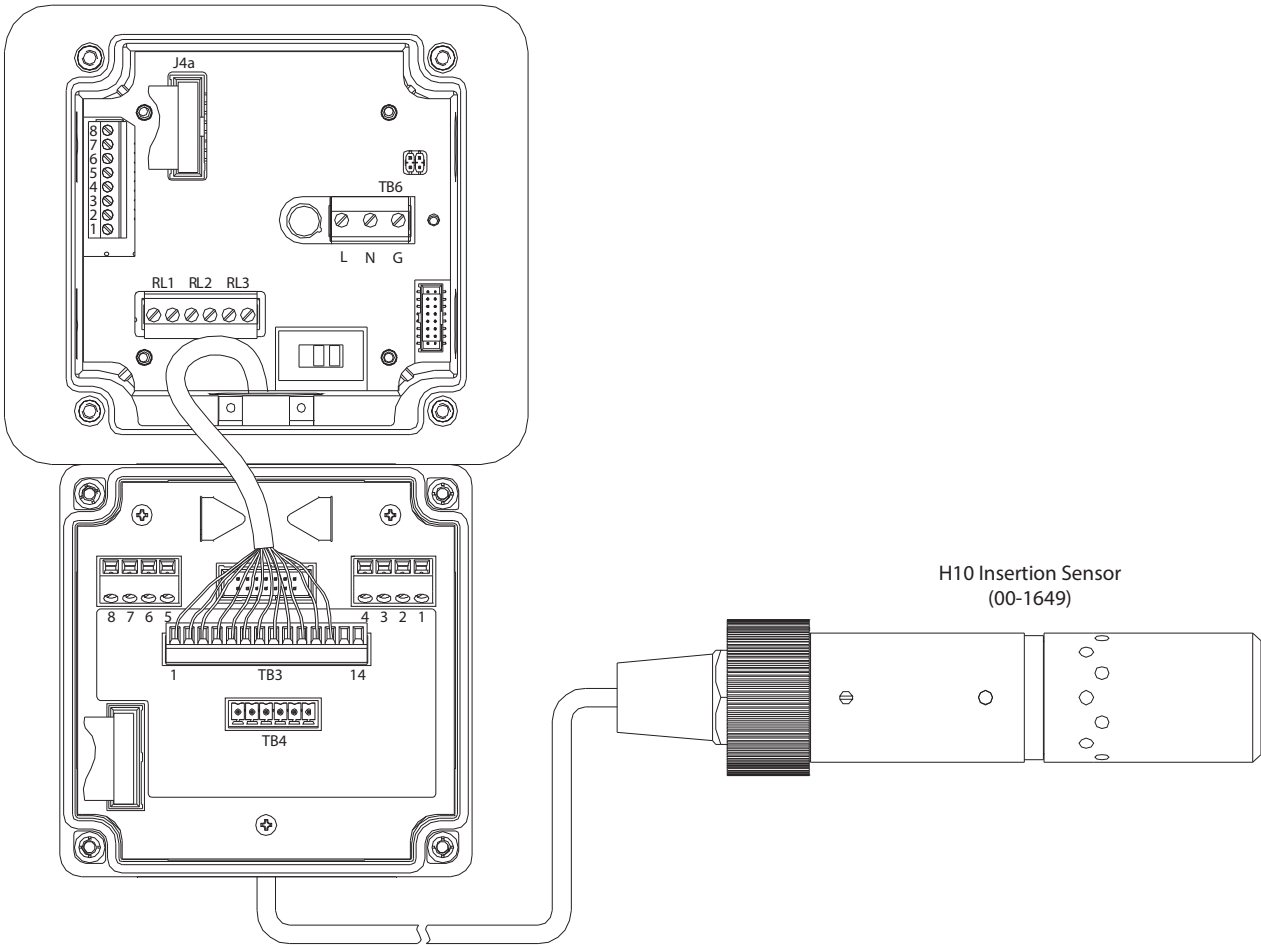
INTEGRAL INSERTION PROBE – OPERATING MODE



INTEGRAL INSERTION PROBE – CALIBRATING MODE



INSERTION PROBE WIRING DIAGRAM



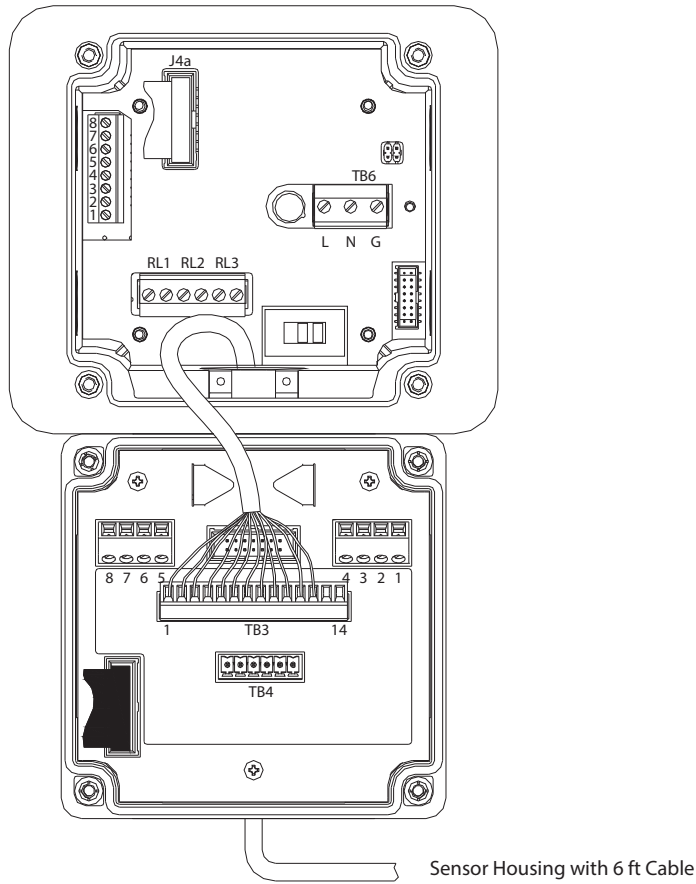
Sensor Cable Assembly
(03-0414)

H10 Insertion Sensor
(00-1649)

ATI-0876

Conductor Colors	
TB3 Pos	Sensor Wires
1	White from Shield
2	Brown
3	Red and (2) Drains
4	Black
5	Yellow
6	Green
7	Blue
8	Violet
9	Gray
10	White
11	Black / White
12	Blue / White
13	NC
14	NC

6 FOOT SENSOR CABLE WIRING DIAGRAM



ATI-0890

Conductor Colors	
TB3 Pos	Sensor Wires
1	White
2	Yellow
3	Blue and (2) Drains
4	Purple
5	Gray
6	NC
7	Black
8	Brown
9	Red
10	Black with White
11	NC
12	Green
13	NC
14	NC