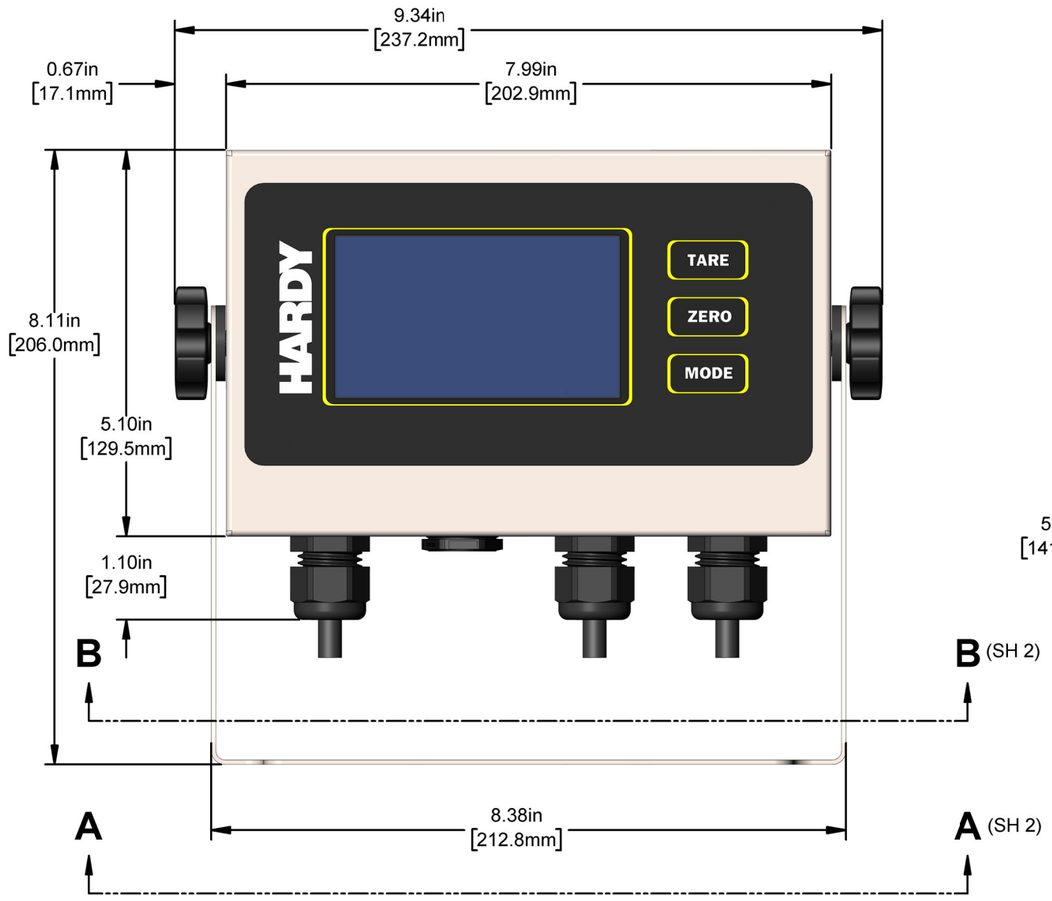
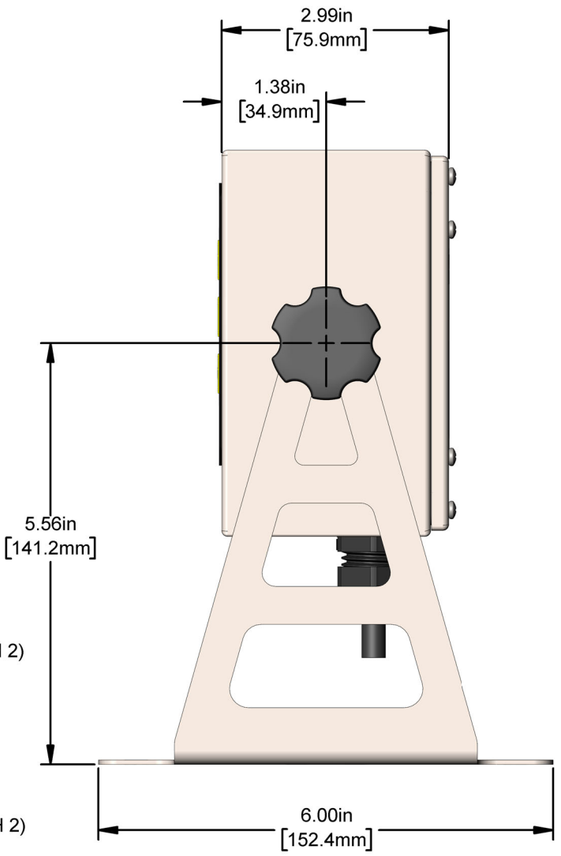
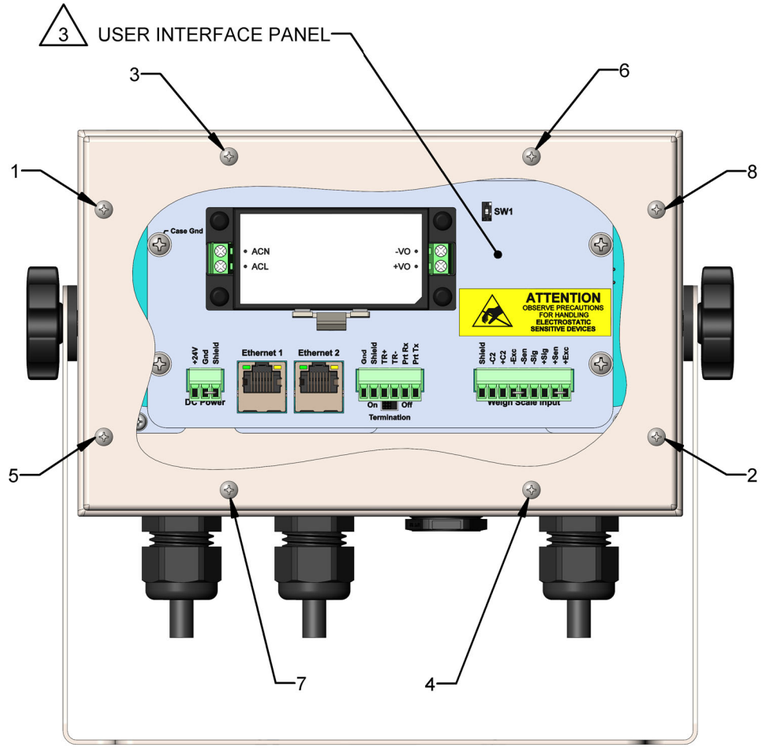
REV.	ECO/DDC	DESCRIPTION	DATE	DRAFT	CHECK	APV'D
X2	----	CHANGED AC POWER OPTION INPUT CURRENT RATING FROM 0.6A TO 0.3A.		V.J.C.		
X3	----	MODIFIED DRAWING TO DEPICT THE LATEST REVISION ENCLOSURE AND KEYPAD.		V.J.C.		
X4	----	REVISED DRAWING TO DEPICT LATEST ENCLOSURE REAR COVER MOUNTING SCREWS.		V.J.C.		

HI6501-S SERIES INSTRUMENT







REAR COVER SCREW INSTALLATION AND TORQUE SEQUENCE ORDER

- INSTALL AND HAND TIGHTEN SCREWS 1 THROUGH 8
- USING A NUMBER 1 SIZE PHILLIPS SCREWDRIVER, TORQUE SCREWS 1 THROUGH 8 TO 10 IN-LB [1.13NM] IN NUMERICAL SEQUENCE ORDER SHOWN

4. IF THE HI6501-S INSTRUMENT IS USED IN A MANNER NOT SPECIFIED BY HARDY PROCESS SOLUTIONS, THE PROTECTION PROVIDED BY THE INSTRUMENT MAY BE IMPAIRED.

3. SEE SHEETS 3 SND 4 FOR USER INTERFACE CONNECTIONS.

2. SEE SHEET 2 FOR ADDITIONAL SYSTEM VIEWS AND DIMENSIONS.

1. SEE HARDY PROCESS SOLUTIONS WEB SITE FOR ADDITIONAL MOUNTING AND WIRING INFORMATION.

NOTES: UNLESS OTHERWISE SPECIFIED

		0584-0118	INSTALLATION/INTERCONNECTION DIAGRAM, HI6501-S SERIES	SEE NOTES
ITEM	QTY	PART NUMBER	DESCRIPTION	COMMENTS

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS: N/A
DECIMALS: .XX = ±.03
.XXX = ±.010
ANGLES ±0°, 30°

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS

		DATE
DRAWN	V. CHULA	01-20-25
CHECKED		DATE
APPROVED		DATE
ISSUED		DATE
PRODUCTION		DATE

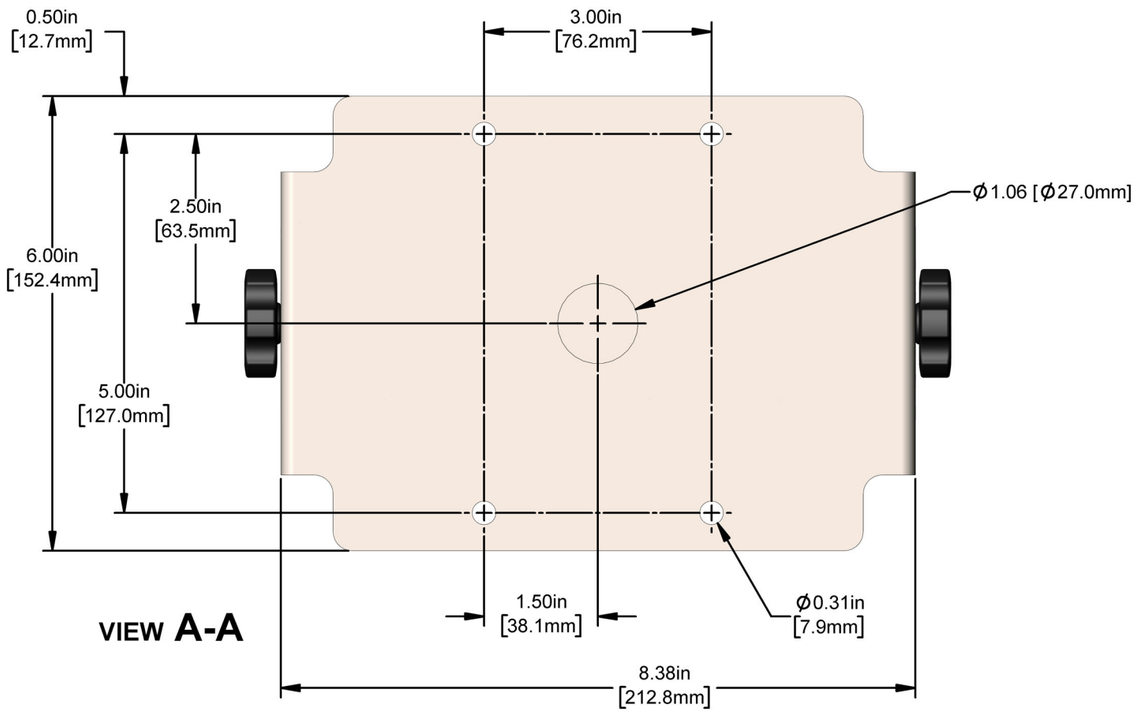
HARDY PROCESS SOLUTIONS

TITLE
INSTALLATION/INTERCONNECTION DIAGRAM, HI6501-S SERIES

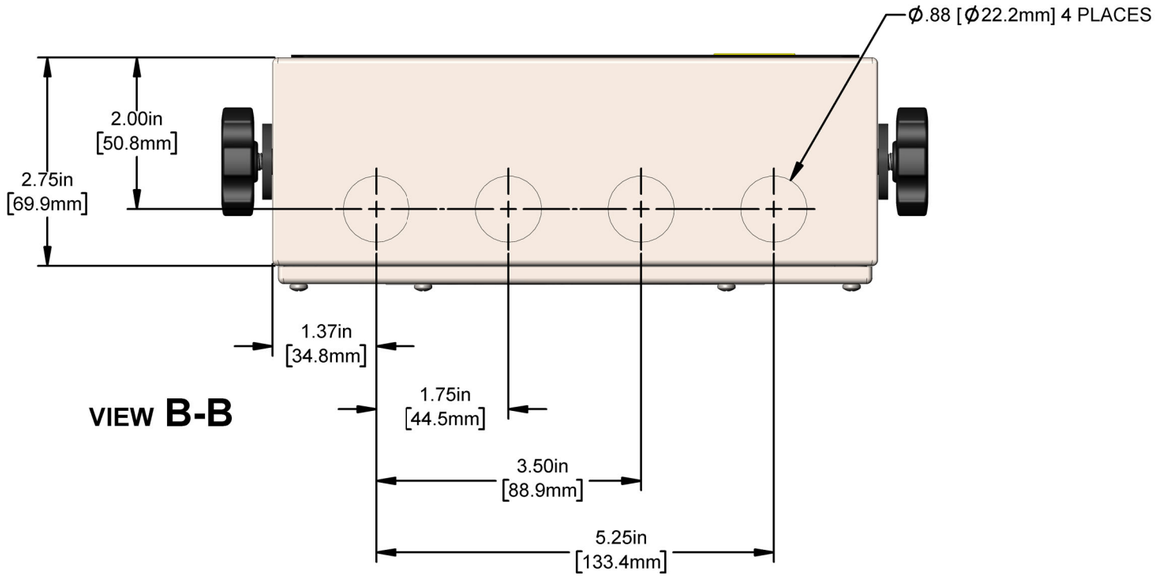
SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0118	X4

FILE NAME:0584-0118X4.SLDDRW | SCALE: NONE | SHEET 1 OF 4

HI6501-S SERIES INSTRUMENT



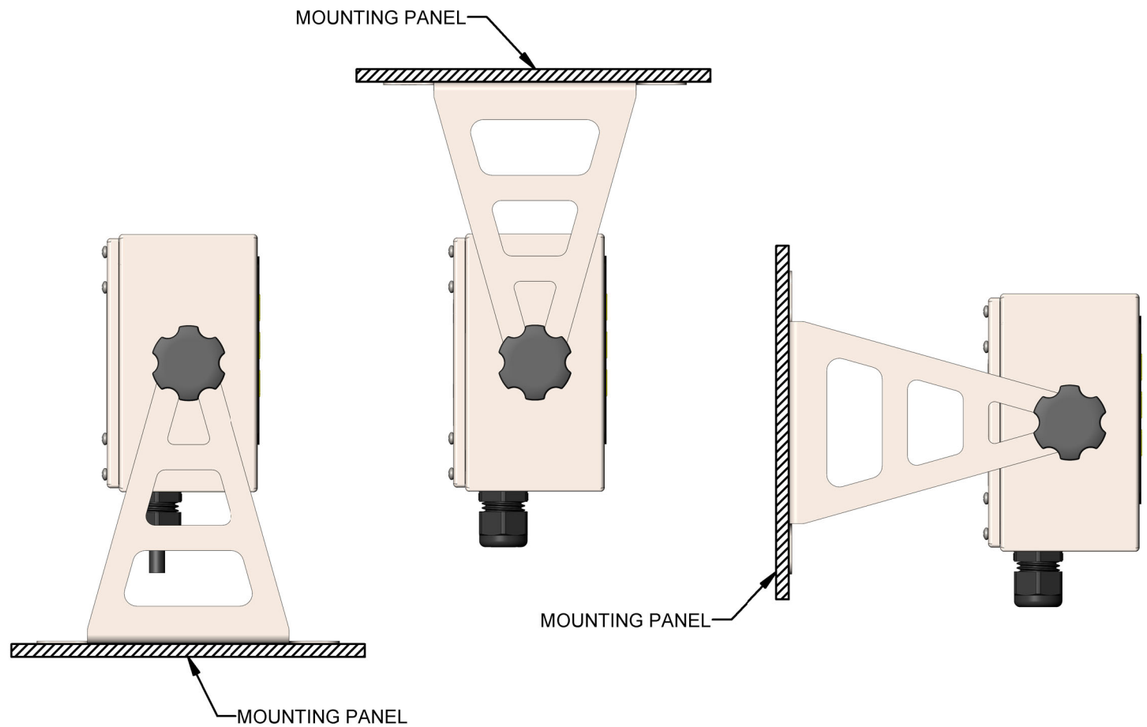
VIEW **A-A**



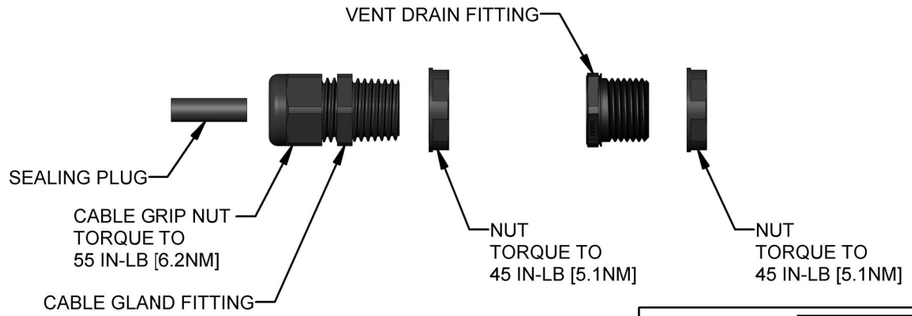
VIEW **B-B**

MOUNTING ARRANGEMENT OPTIONS

(NOT TO SCALE)



QTY 3 CABLE GLAND FITTINGS, QTY 1 VENT DRAIN, QTY 4 NUTS AND QTY 4 SEALING PLUGS ARE PACKED SEPARATELY INSIDE ENCLOSURE
[SEALING PLUG TO BE INSTALLED INTO CABLE FITTING WHEN SIGNAL CABLE IS NOT USED]



HARDY PROCESS SOLUTIONS

TITLE

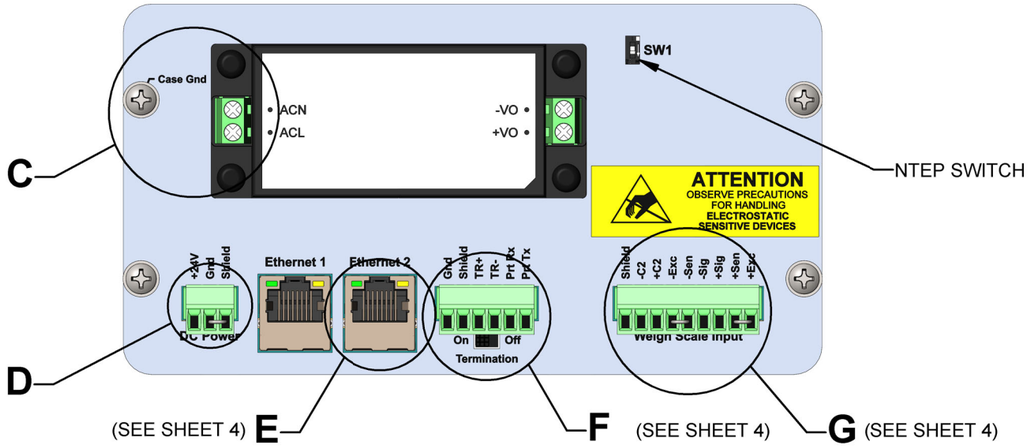
INSTALLATION/INTERCONNECTION DIAGRAM, HI6501-S SERIES

SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0118	X4

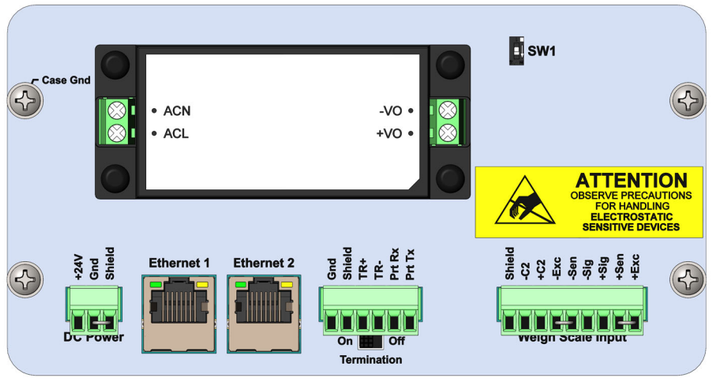
FILE NAME: 0584-0118X4.SLDDRW | SCALE: NONE | SHEET 2 OF 4

HI6501-S SERIES INSTRUMENT USER INTERFACE PANEL CONNECTIONS

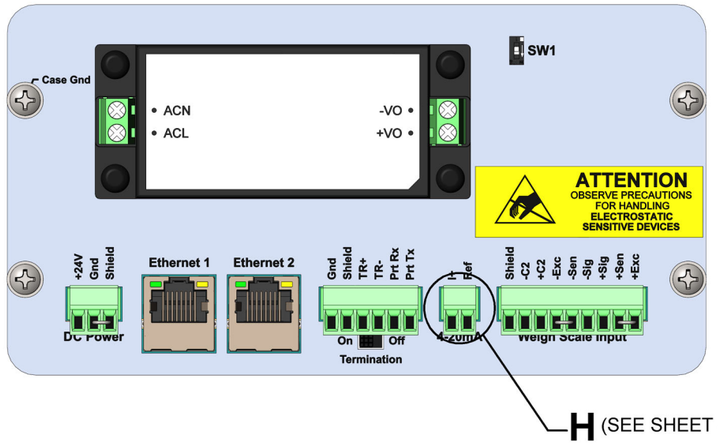
HI6501-S-WP-EIP AND HI6501-S-XP-EIP USER INTERFACE PANEL



HI6501-S-WP-PFN AND HI6501-S-XP-PFN USER INTERFACE PANEL

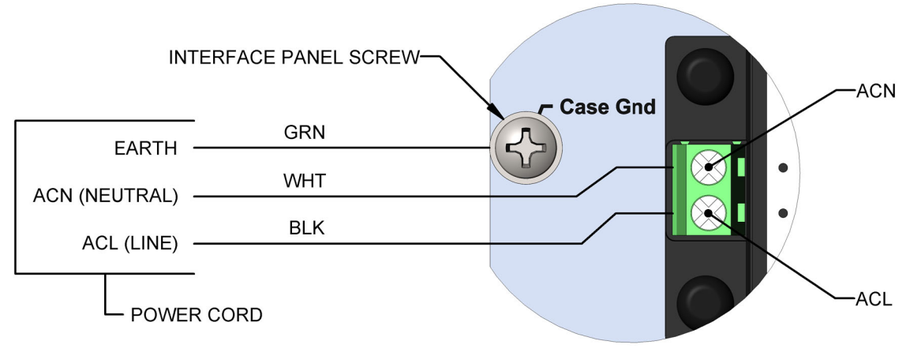


HI6501-S-WP-ANA USER INTERFACE PANEL



AC POWER INPUT OPTION TERMINATIONS

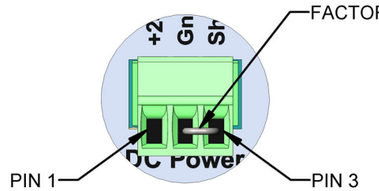
NOTES:
1. INPUT VOLTAGE RANGE: 120-240 VAC, 50-60 Hz; 0.3 AMP.
2. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 22 AWG MINIMUM.
3. WIRE TEMPERATURE RATING TO BE 105° C.
4. WIRE TIGHTENING TORQUE: 4.4 LB-IN [0.23 Nm].
5. USE COPPER CONDUCTORS ONLY.
6. SEPARATE 6 FT [1.8M] LONG TYPE SJTOW 3 CONDUCTOR 18 AWG MALE POWER CORD ASSEMBLY SUPPLIED BY HARDY.



VIEW **C**
SCALE 3 : 1

DC POWER INPUT OPTION TERMINATIONS

NOTES:
1. CLASS 2 INPUT VOLTAGE RANGE [24VDC NOMINAL]: 12-24 VDC, 3 WATTS NOMINAL.
2. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
3. WIRE TEMPERATURE RATING TO BE 90° C.
4. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
5. USE COPPER CONDUCTORS ONLY.



VIEW **D**
SCALE 3 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	+24V IN
2	GND
3	SHIELD

HARDY PROCESS SOLUTIONS

TITLE
INSTALLATION/INTERCONNECTION DIAGRAM, HI6501-S SERIES

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D	21316	0584-0118	X4

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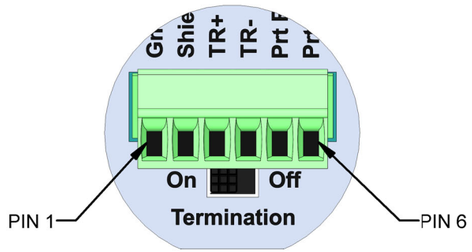
HI6501-S SERIES INSTRUMENT USER INTERFACE PANEL CONNECTIONS

SERIAL COMMUNICATIONS PORT TERMINATIONS

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON SERIAL COMMUNICATIONS TERMINATIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
2. DO NOT BUNDLE SERIAL COMMUNICATION WIRING WITH POWER WIRING, RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
3. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
4. WIRE TEMPERATURE RATING TO BE 90° C.
5. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
6. USE COPPER CONDUCTORS ONLY.



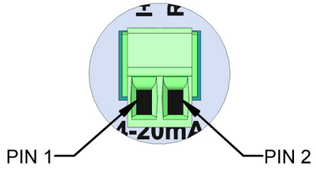
VIEW **F**

SCALE 3 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	GND
2	SHIELD
3	TR+
4	TR-
5	PRT RX
6	PRT TX

4-20mA ANALOG OUTPUT PORT TERMINATIONS

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON ANALOG OUTPUT TERMINATIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
2. DO NOT BUNDLE ANALOG OUTPUT WIRING WITH POWER WIRING, RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
3. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
4. WIRE TEMPERATURE RATING TO BE 90° C.
5. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
6. USE COPPER CONDUCTORS ONLY.



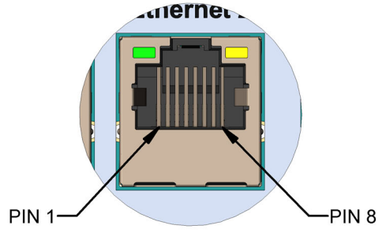
VIEW **H**

SCALE 3 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	I+
2	REF

ETHERNET AND PROFINET TERMINATIONS

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON ETHERNET AND PROFINET TERMINATIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
2. CONNECTOR TYPE: RJ-45, 8 PIN; QTY 2.
3. WHEN "EIP" AND "ANA" UNITS ARE ORDERED, BOTH PORTS CAN BE USED FOR ETHERNET CONNECTIONS;
4. WHEN "PFN" (PROFINET) UNITS ARE ORDERED, THE "ETHERNET 1" PORT IS TO BE USED FOR ETHERNET TCP/IP CONNECTIONS ONLY AND THE "PROFINET" PORT IS TO BE USED FOR PROFINET SPECIFIC CONNECTIONS ONLY.



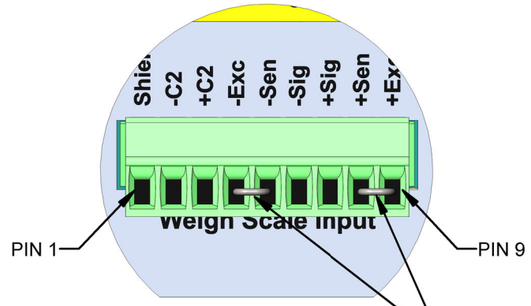
VIEW **E**

SCALE 3 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	TX+
2	TX-
3	V+
4	GND
5	GND
6	V+
7	RX+
8	RX-

WEIGH SCALE INPUT TERMINATIONS

NOTES:
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON LOAD CELL CONNECTIONS. USER'S GUIDE IS LOCATED ON HARDY PROCESS SOLUTIONS WEB SITE.
2. IF CONDUIT IS USED, DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN SAME CONDUIT WITH, POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
3. FACTORY INSTALLED JUMPERS TO REMAIN IN PLACE ONLY FOR FOUR WIRE NON C2 LOAD CELL CONNECTION. JUMPERS TO BE REMOVED FOR SIX WIRE NON C2 OR EIGHT WIRE C2 LOAD CELL CONNECTIONS. EXCITATION AND SENSE WIRES TO BE CONNECTED TOGETHER IN JUNCTION BOX.
4. TERMINAL BLOCK WIRE SIZE RANGE: 16 AWG MAXIMUM / 28 AWG MINIMUM.
5. WIRE TEMPERATURE RATING TO BE 90° C.
6. WIRE TIGHTENING TORQUE: 2.0 LB-IN / 2.2 LB-IN [0.23 Nm / 0.25 Nm].
7. USE COPPER CONDUCTORS ONLY.



VIEW **G**

SCALE 3 : 1

CONNECTION CHART	
PIN NUMBER	SIGNAL NAME
1	SHIELD
2	-C2
3	+C2
4	-EXC
5	-SEN
6	-SIG
7	+SIG
8	+SEN
9	+EXC

HARDY PROCESS SOLUTIONS

TITLE
INSTALLATION/INTERCONNECTION DIAGRAM, HI6501-S SERIES

SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0118	X4

FILE NAME: 0584-0118X4.SLDDRW | SCALE: NONE | SHEET 4 OF 4