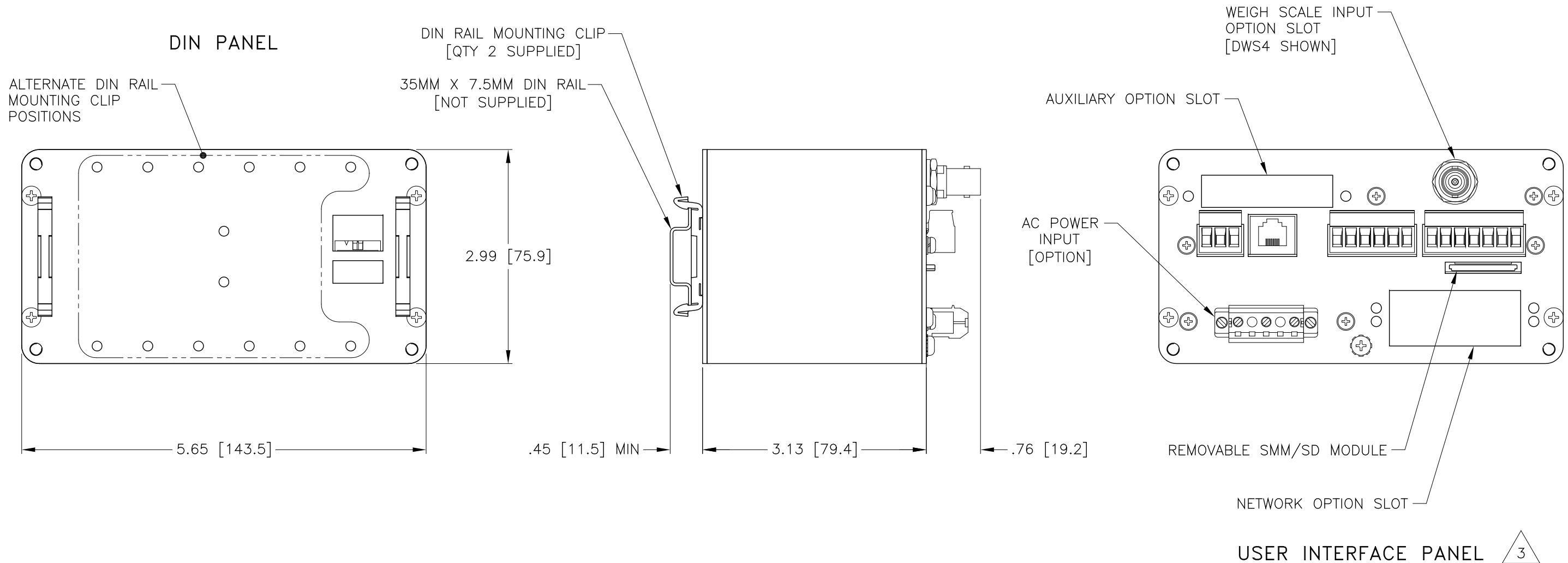


REV.	ECO/DDC	DESCRIPTION	DATE	DRAFT	CHECK	APV'D
A	----	RELEASED.	03-14-12	V.J.C.	C.B.	T.N.
B	11139	REVISED PER ECN.	08-23-13	V.J.C.	L.E.G.	V.J.C.

HI 4050CW CHECK WEIGHER MAIN UNIT



DIMENSIONS = IN [MM]

3 DIGITAL WEIGH SCALE INPUT USER INTERFACE PANEL SHOWN ONLY. SEE SHEETS 3 THROUGH 6 FOR USER INTERFACE PANEL CONNECTIONS.

2. SEE SHEET 2 FOR FRONT PANEL DISPLAY DIMENSIONS.

1. SEE CD RESOURCE GUIDE FOR ADDITIONAL MOUNTING AND WIRING INFORMATION.

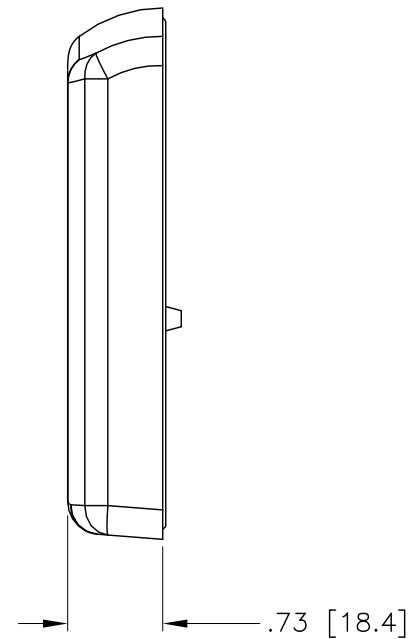
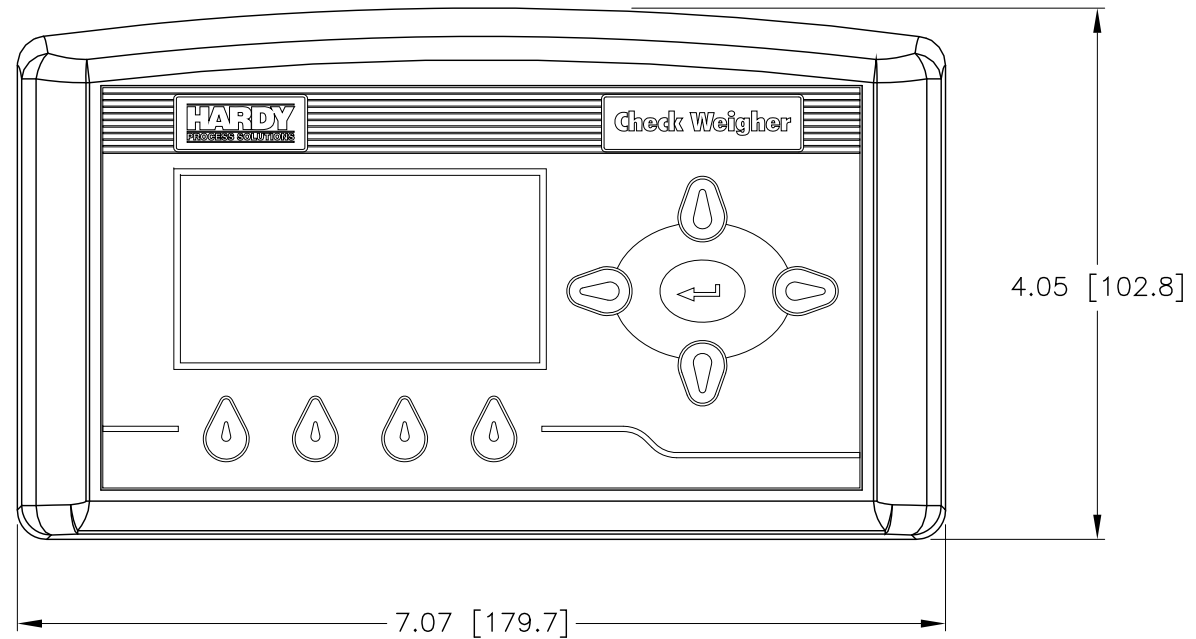
NOTES: UNLESS OTHERWISE SPECIFIED

PROPRIETARY NOTICE
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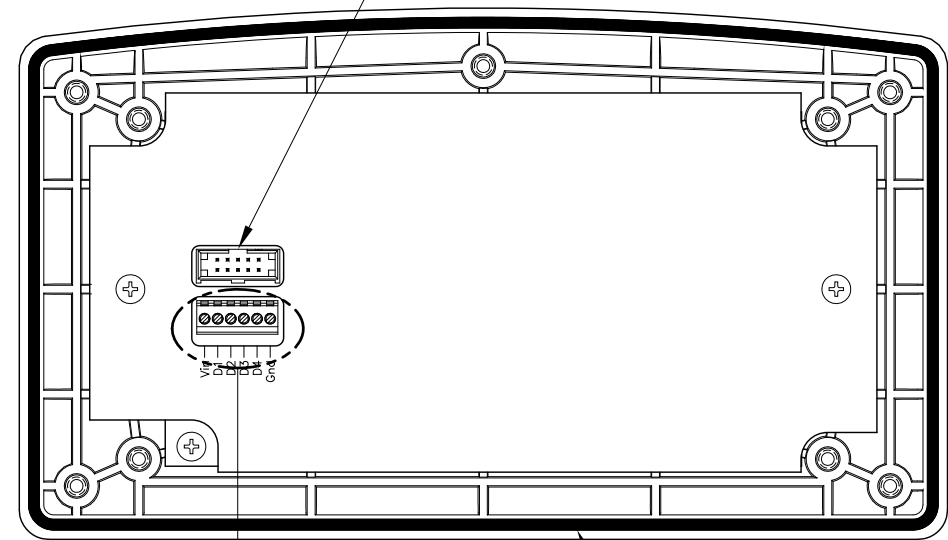
ITEM	QTY	0584-0075	I/I DIAGRAM, HI 4050CW CHECK WEIGHER	SEE NOTES
ITEM	QTY	PART NUMBER	DESCRIPTION	COMMENTS
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: N/A DECIMALS: .XX = ±.03 .XXX = ±.010 ANGLES: ±0°, 30'		CONTRACT NO.		HARDY PROCESS SOLUTIONS
MATERIAL		APPROVALS		
		DRAWN V. CHULA	DATE 03-12-12	
		CHECKED C. BABB	DATE 03-14-12	
FINISH		APPROVED T. NORMAN	DATE 03-14-12	I/I DIAGRAM, HI 4050CW CHECK WEIGHER
DO NOT SCALE DRAWING		ISSUED V. CHULA	DATE 03-14-12	
		PRODUCTION	DATE	SIZE: D 21316
				FSCM: 0584-0075
				DRAWING NO. B
				REV. B
				FILE NAME: 584075B1.DWG
				SCALE: NONE
				SHEET 1 OF 6

HI 4050CW CHECK WEIGHER FRONT PANEL DISPLAY

FRONT

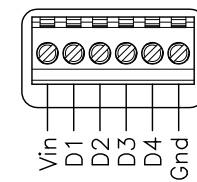


PANEL MOUNT RIBBON CABLE
INTERFACE CONNECTOR



REAR

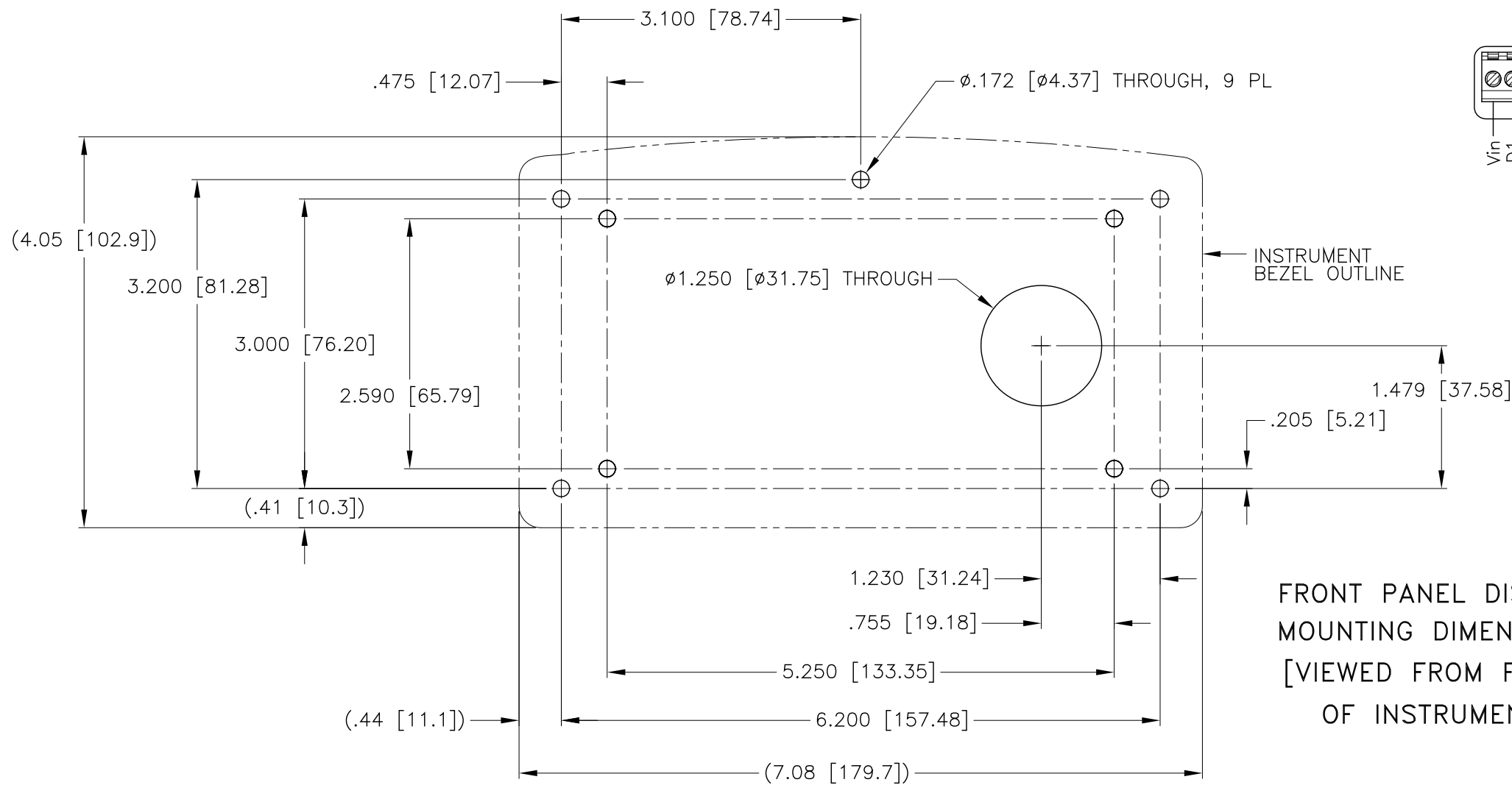
FRONT PANEL SEALING GASKET



FRONT PANEL DISPLAY TERMINAL BLOCK

NOTES:

1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON REMOTE DISPLAY TERMINATIONS.
2. WIRE SIZE: 20 AWG MAXIMUM / 26 AWG MINIMUM. WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.
3. MAXIMUM CABLE LENGTH: 100 FEET [30.48 METERS]
4. SEE SHEET 3 FOR REMOTE DISPLAY WIRE TERMINATIONS TO THE HI 4050CW CHECK WEIGHER MAIN UNIT.



FRONT PANEL DISPLAY
MOUNTING DIMENSIONS
[VIEWED FROM FRONT
OF INSTRUMENT]

DIMENSIONS = IN [MM]



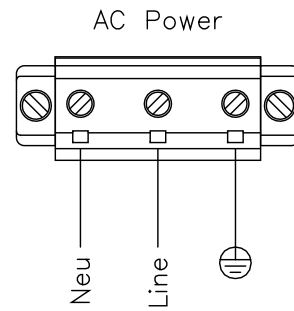
TITLE			
I/I DIAGRAM, HI 4050CW CHECK WEIGHER			
SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0075	B
FILE NAME: 584075B1.DWG		SCALE: NONE	SHEET 2 OF 6

POWER INPUT TERMINATIONS

OPTION CODE AC

NOTES:

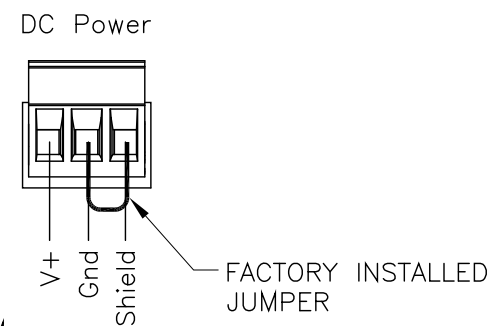
1. INPUT VOLTAGE: 120/240 VAC, 50/60 Hz, 0.5 AMP, 10 WATT.
2. OPTION AC OPERATING TEMPERATURE: -10°C TO + 40°C.
3. WIRE SIZE: 14 AWG MAXIMUM / 18 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



OPTION CODE DC

NOTES:

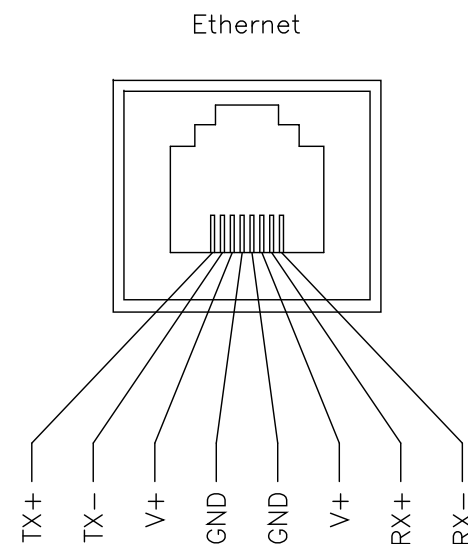
1. INPUT VOLTAGE: 24 VDC, 0.42 AMP, 10 WATT.
2. OPTION DC OPERATING TEMPERATURE: -10°C TO + 60°C.
3. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



ETHERNET TERMINATION

NOTES:

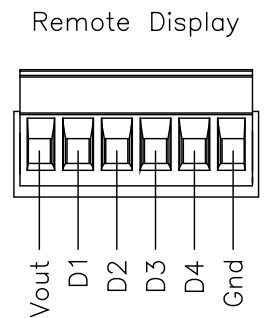
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON ETHERNET TERMINATIONS.
2. CONNECTOR TYPE: RJ-45, 8 PIN
3. N.C. = NOT CONNECTED.



REMOTE DISPLAY TERMINATIONS

NOTES:

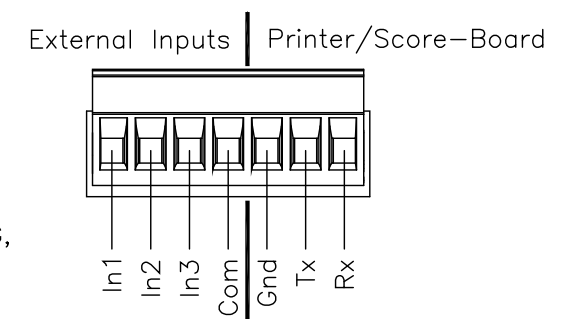
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON REMOTE DISPLAY TERMINATIONS.
2. WIRE SIZE: 20 AWG MAXIMUM / 26 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.
3. SEE SHEET 2 FOR FRONT PANEL DISPLAY WIRE TERMINATIONS.
4. MAXIMUM CABLE LENGTH: 100 FEET [30.48 METERS]



EXTERNAL INPUT & PRINTER/SCOREBOARD TERMINATIONS

NOTES:

1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON EXTERNAL INPUT AND PRINTER/SCOREBOARD TERMINATIONS.
2. EXTERNAL INPUTS ARE NON-ISOLATED, ACTIVE LOW AND REFERENCED TO COMMON [COM].
3. DO NOT BUNDLE ANALOG INPUT WIRING WITH POWER WIRING, RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
4. EXTERNAL INPUTS CAN BE CONFIGURED IN THE MAPPING SECTION OF THE INSTRUMENT'S WEB PAGE.
FACTORY DEFAULT EXTERNAL INPUT MAPPINGS: NONE
5. PRINTER/SCORE-BOARD TRANSMIT DATA [Tx] AND RECEIVE DATA [Rx] USE RS-232 SERIAL INTERFACE COMMUNICATION PROTOCOL.
6. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



HARDY
PROCESS SOLUTIONS

TITLE
I/I DIAGRAM, HI 4050CW
CHECK WEIGHER

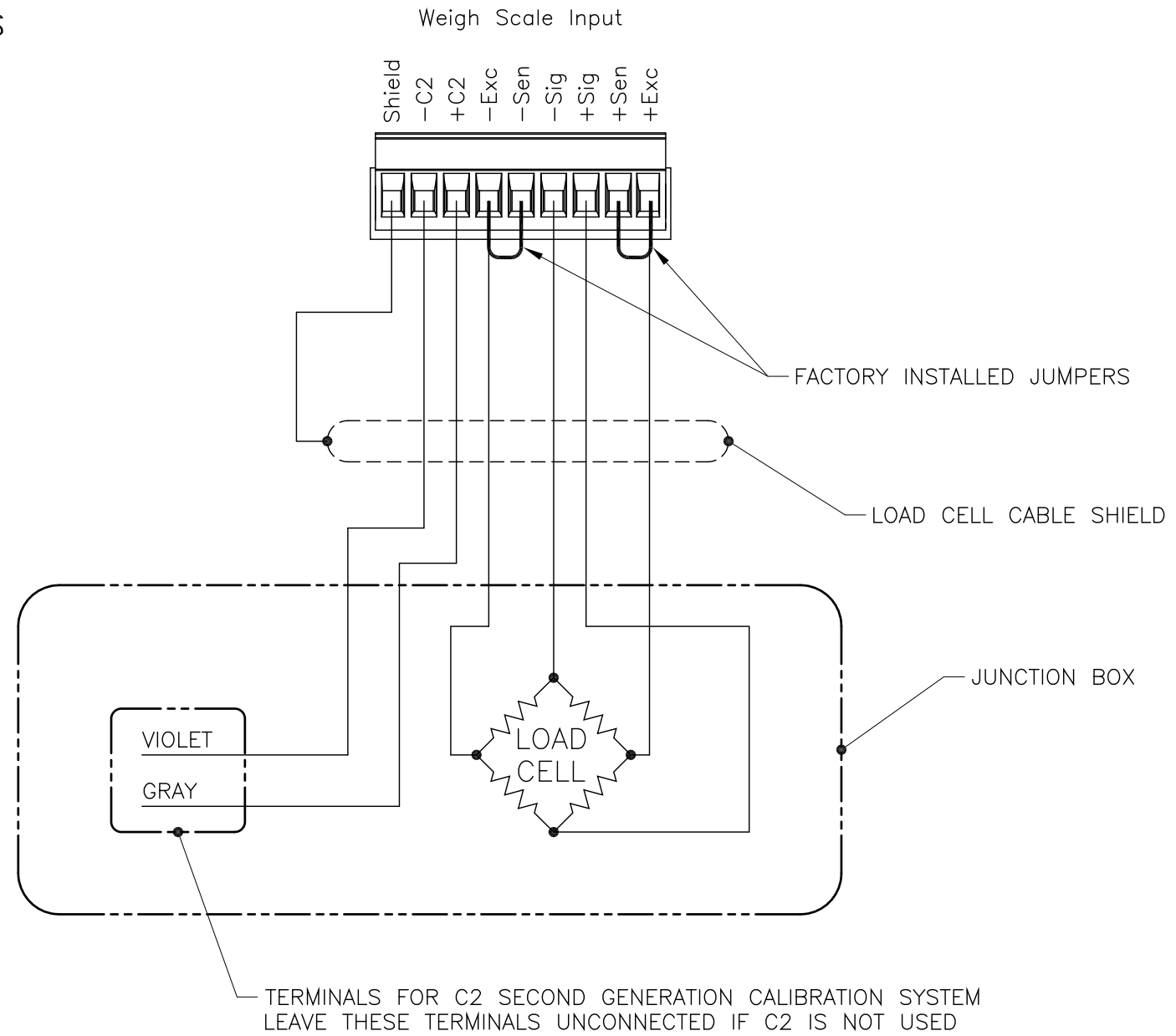
SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0075	B

FILE NAME:	584075B1.DWG	SCALE:	NONE	SHEET	3 OF 6
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OPTION CODE AWS2 – ANALOG WEIGH SCALE INPUT TERMINATIONS

NOTES:

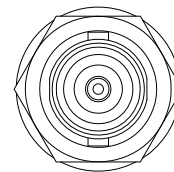
- DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN THE SAME CONDUIT WITH POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
- FACTORY INSTALLED JUMPERS TO REMAIN IN PLACE FOR FOUR WIRE LOAD CELL CONNECTION. JUMPERS TO BE REMOVED FOR SIX WIRE OR EIGHT WIRE [C2] LOAD CELL CONNECTIONS. EXCITATION AND SENSE WIRES TO BE CONNECTED TOGETHER IN JUNCTION BOX.
- REQUIRED LOAD CELL CABLE FOR C2 SECOND GENERATION CALIBRATION SYSTEM: HARDY INSTRUMENTS PART NUMBER 6020-0001.
- OPTION AWS2 IS LOCATED IN THE WEIGH SCALE INPUT OPTION SLOT, WHEN ORDERED.
- SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON ANALOG WEIGH SCALE INPUT CONNECTIONS.
- C2 WIRE PAIR MUST BE CONNECTED WHEN USING THE HARDY INTEGRATED TECHNICIAN SUMMING CARDS.
- WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



OPTION CODE DWS4 – DIGITAL WEIGH SCALE INPUT TERMINATIONS

NOTES:

- SEE USER'S GUIDE ADDENDUM FOR ADDITIONAL INFORMATION ON DIGITAL WEIGHT INPUT TERMINATIONS.
- OPTION DWS4 IS LOCATED IN THE WEIGH SCALE INPUT OPTION SLOT, WHEN ORDERED.
- OPTION DWS4 MAY ONLY BE USED WITH 4000 SERIES LOAD DIGITAL LOAD CELLS.
- OPTION DWS4 CONNECTOR TYPE: 50 OHM BNC.



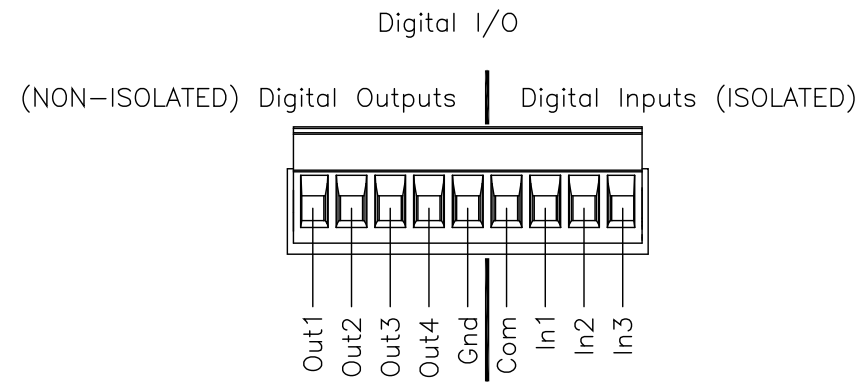
Weigh Scale
Digital Input

HARDY PROCESS SOLUTIONS			
TITLE I/I DIAGRAM, HI 4050CW CHECK WEIGHER			
SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0075	B
FILE NAME: 584075B1.DWG		SCALE: NONE	SHEET 4 OF 6

OPTION CODE DIO – DIGITAL I/O

NOTES:

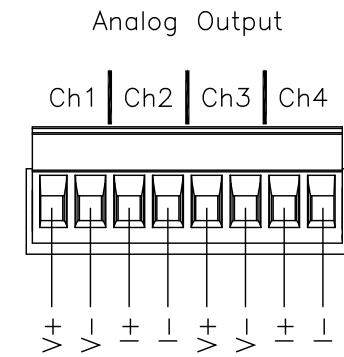
1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON DIGITAL I/O TERMINATIONS.
2. DIGITAL INPUTS & OUTPUTS ARE SOFTWARE CONFIGURABLE. SEE USER'S GUIDE FOR ADDITIONAL SETTING CONFIGURATIONS.
INPUTS: 5–24VDC, 6mA
OUTPUTS: SOURCE: 0–5VDC
SINK: 0–24VDC
3. OPTION DIO IS LOCATED IN THE AUXILIARY OPTION SLOT, WHEN ORDERED.
4. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



OPTION CODES 4ANA & 4ANB – ANALOG OUTPUT TERMINATIONS

NOTES:

1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON ANALOG OUTPUT TERMINATIONS.
2. ANALOG OUTPUTS ARE SOFTWARE CONFIGURABLE. SEE USER'S GUIDE FOR ADDITIONAL SETTING CONFIGURATIONS.
FACTORY DEFAULT SETTINGS:
CURRENT [CH2 & CH4]: 4–20mA
VOLTAGE [CH1 & CH3]: 0–10VDC
3. OPTION 4ANA IS LOCATED IN THE NETWORK OPTION SLOT, WHEN ORDERED.
OPTION 4ANB IS LOCATED IN THE AUXILIARY OPTION SLOT, WHEN ORDERED.
4. ONLY ONE ANALOG OUTPUT OPTION CARD CAN RESIDE IN THE HI 4050 INSTRUMENT, WHEN ORDERED.
5. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



HARDY
PROCESS SOLUTIONS

TITLE
I/I DIAGRAM, HI 4050CW
CHECK WEIGHER

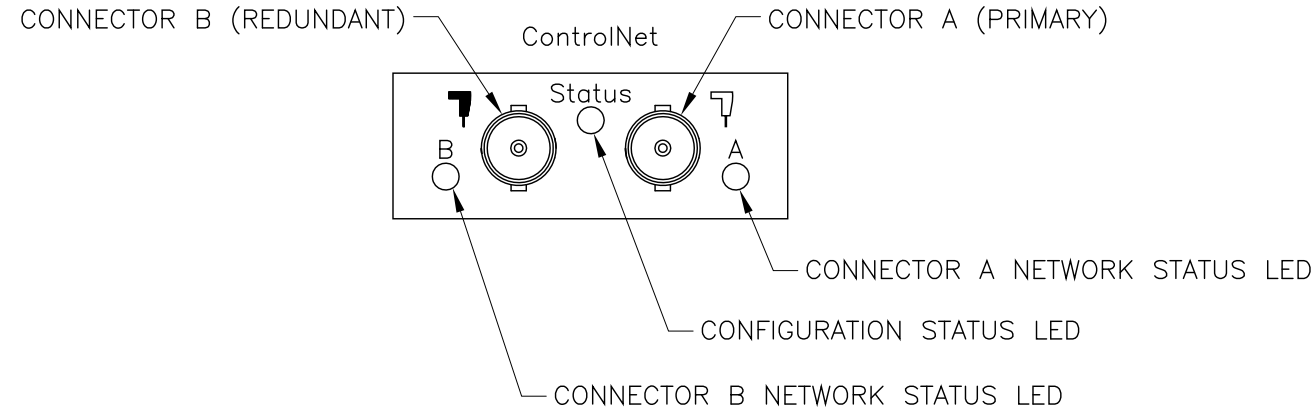
SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0075	B

FILE NAME:	584075B1.DWG	SCALE:	NONE	SHEET	5 OF 6
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OPTION CODE CN – CONTROLNET I/O INTERFACE

NOTES:

1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON CONTROLNET I/O INTERFACE TERMINATIONS.
2. OPTION CN IS LOCATED IN THE NETWORK OPTION SLOT, WHEN ORDERED.
3. THIS OPTION REQUIRES STANDARD BNC TYPE INTERFACE CONNECTORS.
4. IF REDUNDANCY IS WANTED, BOTH CONNECTORS SHOULD BE USED.

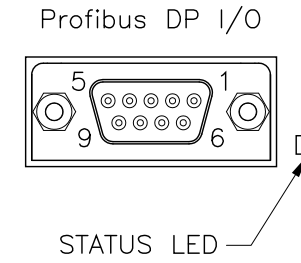


OPTION CODE PB – PROFIBUS DP I/O

NOTES:

1. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON PROFIBUS DP I/O INTERFACE TERMINATIONS.
2. OPTION PB IS LOCATED IN THE NETWORK OPTION SLOT, WHEN ORDERED.
3. INTERFACE CONNECTOR TYPE ON THE INSTRUMENT:
9 PIN D-SUBMINIATURE [DE-9], FEMALE CONTACTS.

CONNECTOR TERMINATIONS	
PIN	SIGNAL
1	NO CONNECT
2	NO CONNECT
3	RXD/TXD +
4	RTS
5	GND BUS
6	+5V BUS
7	NO CONNECT
8	RXD/TXD -
9	NO CONNECT



HARDY PROCESS SOLUTIONS			
TITLE I/I DIAGRAM, HI 4050CW CHECK WEIGHER			
SIZE	FSCM	DRAWING NO.	REV.
D	21316	0584-0075	B
FILE NAME: 584075B1.DWG		SCALE: NONE	SHEET 6 OF 6