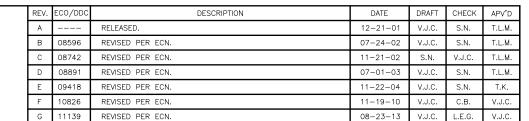
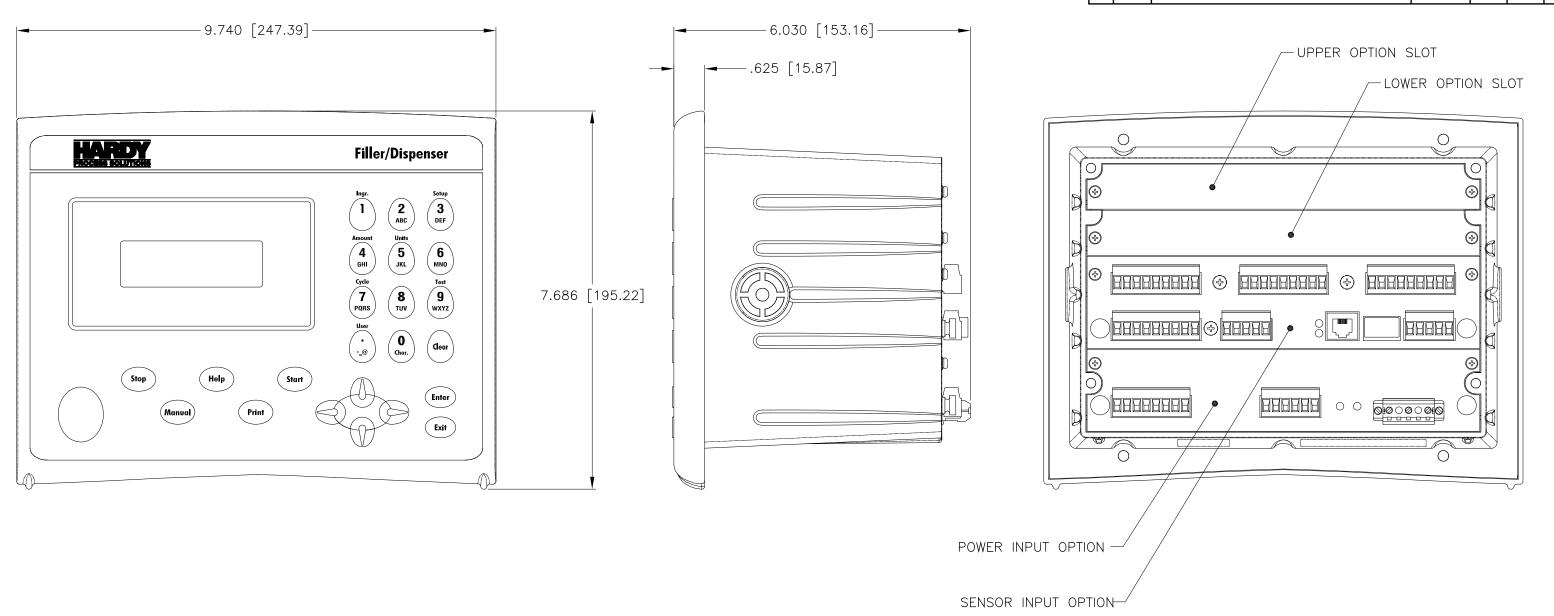
MODEL HI 3010 FILLER/DISPENSER





- 4. INTERCONNECT WIRING FOR UNITS INSTALLED IN HAZARDOUS LOCATIONS TO BE PER NATIONAL ELECTRIC CODE (ANSI/NFPA-70).
- 3. SEE SHEETS 5, 6, 7 AND 8 FOR CABLE TERMINATIONS.
- 2. SEE SHEETS 2, 3 AND 4 FOR INSTRUMENT MOUNTING OPTIONS.
- 1. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.

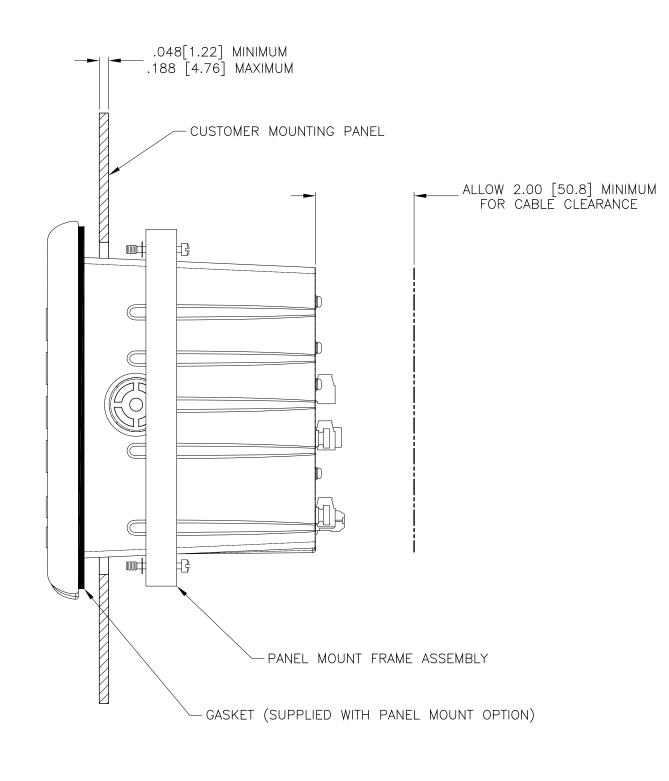
NOTES: UNLESS OTHERWISE SPECIFIED

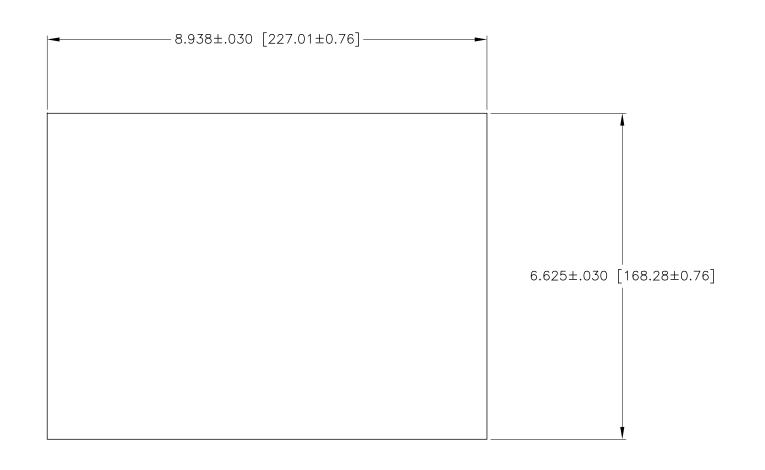
PROPRIETARY NOTICE
ALL DATA AND INFORMATION CONTAINED IN OR DISCLOSED BY THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY INFORMATION OF HARDY PROCESS SOLUTIONS INC. AND ALL RIGHTS THEREIN ARE EXPRESSLY RESERVED.
BY ACCEPTING THIS MATERIAL THE RECIPIENT AGREES THAT THIS MATERIAL AND THE INFORMATION CONTAINED THEREIN IS HELD IN CONFIDENCE AND IN TRUST AND SHALL NOT BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS, EXCEPT TO MEET THE SPECIFIC PURPOSE FOR WHICH IT WAS DELIVERED.

DIMENSIONS = IN [MM]

| | | 0584- | 0584-0046 | | I/I DIAGRAM, HI 3010 FILLER/DISPENSER | | | | | | | | |
|--|------------------|-------------------------|-----------------------|------|---------------------------------------|-------------------------|----------------------|-------------|----------|--------|------|--|--|
| ITEM | ITEM QTY PART NU | | JMBER | | DESCRIPTION | | | | COMMENTS | | | | |
| PARTS LIST | | | | | | | | | | | | | |
| | | E SPECIFIED N INCHES | CONTRACT NO. | | | | | | | | | | |
| TOLERANCES ARE: DECIMALS: .XX = N/A .XXX = N/A ANGLES: N/A | | | APPROVALS | | | | | | | | | | |
| | | | DRAWN V. CHULA | | DATE 12-12-01 | PROCESS SOLUTIONS TITLE | | | | | | | |
| | | | CHECKED S. NAVARRO | | DATE 12-21-01 | | I/I DIAGRAM, HI 3010 | | | | | | |
| MATERIAL | | | APPROVED T. McDOUGALL | | DATE 12-21-01 | | FILLER/DISPENSER | | | | | | |
| FINISH DO NOT SCALE DRAWING | | ISSUED S. NAVAR | | RO | DATE 01-02-02 | size D | 21316 | DRAWIN | 0584—004 | 16 | REV. | | |
| | | PRODUCTIO | N | DATE | | | | SCALE: NONE | | | | | |

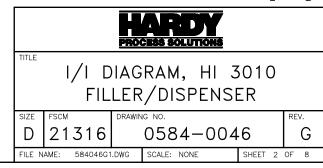
MODEL HI 3010 FILLER/DISPENSER - PANEL MOUNT CONFIGURATION (OPTION PM)

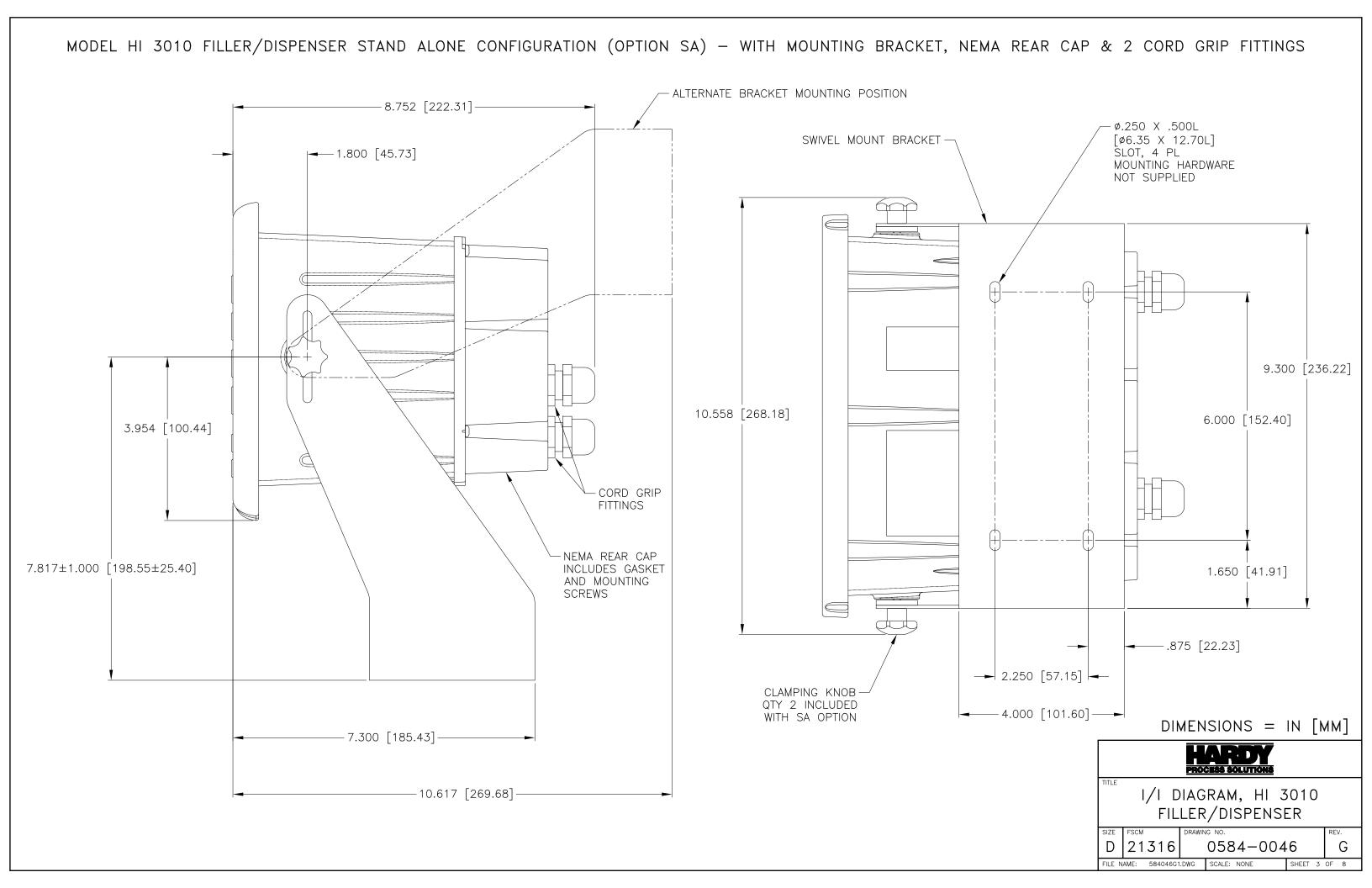




RECOMMENDED PANEL CUTOUT DIMENSIONS

DIMENSIONS = IN [MM]





MODEL HI 3010 FILLER/DISPENSER - SWIVEL MOUNT BRACKET (OPTION MB) ALTERNATE BRACKET MOUNTING POSITION -SWIVEL MOUNT BRACKET ø.250 X .500L [ø6.35 X 12.70L] SLOT, 4 PL MOUNTING HARDWARE NOT SUPPLIED 1.800 [45.73] ---9.300 [236.22] 10.558 [268.18] 6.000 [152.40] 3.954 [100.44] 7.817±1.000 [198.55±25.40] 1.650 [41.91] — .875 [22.23] 2.250 [57.15] CLAMPING KNOB-QTY 2 INCLUDED WITH MB OPTION — 4.000 [101.60] — <mark>→</mark> DIMENSIONS = IN [MM]- 7.300 [185.43]*-*I/I DIAGRAM, HI 3010 —10.617 [269.68]*-*FILLER/DISPENSER 0584-0046 D 21316 584046G1.DWG SCALE: NONE SHEET 4 OF 8

POWER INPUT TERMINATIONS

OPTIONS AC, AA & AD

NOTES:

- 1. INPUT VOLTAGE: 115/240 VAC, 50-60 Hz 0.65/0.40 AMP, 25 WATT.
- 2. WIRE SIZE: 14 AWG MAXIMUM / 18 AWG MINIMUM. WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

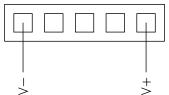
Power In

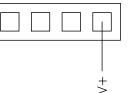
OPTIONS DC, DA & DD

NOTES:

- 1. INPUT VOLTAGE: 12/24 VDC 0.84/0.42 AMP, 10 WATT.
- 2. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM. WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.







NOTES:

NOTES:

1. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON DEVICENET TERMINATIONS.

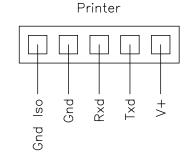
1. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.

2. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM. WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

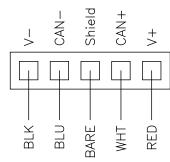
PRINTER (RS-232) TERMINATIONS

WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

DEVICENET COMMUNICATIONS



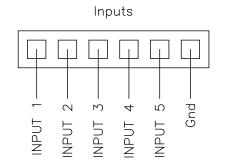
DeviceNet



INPUT TERMINATIONS

NOTES:

- 1. ALL MAPPABLE
- 2. DO NOT BUNDLE AC INPUT WIRING WITH POWER WIRING, RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
- 3. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM. WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

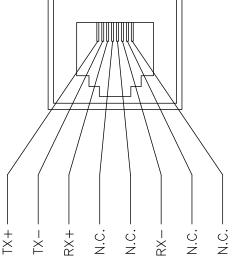


ETHERNET TERMINATION

NOTES:

- 1. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON ETHERNET TERMINATIONS.
- 2. CONNECTOR TYPE: RJ-45, 8 PIN
- 3. N.C. = NOT CONNECTED.

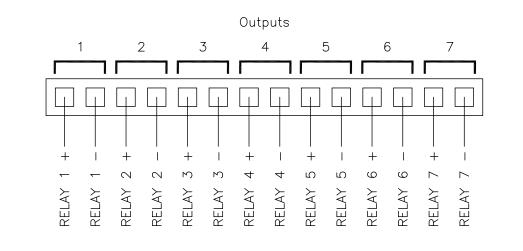
Ethernet



OUTPUT TERMINATIONS

NOTES:

- 1. AC RELAY CONTACT RATINGS: 24-280 VAC, .5 AMP NOMINAL SINGLE CYCLE SURGE: 85 AMP
- 2. DC RELAY CONTACT RATINGS: 5-60 VDC, .5 AMP NOMINAL 1 SECOND SURGE: 5 AMP
- 3. RELAY TYPES: SOLID STATE, ALL MAPPABLE.
- 4. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM. WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



I/I DIAGRAM, HI 3010 FILLER/DISPENSER

D 21316

584046G1.DWG

0584-0046

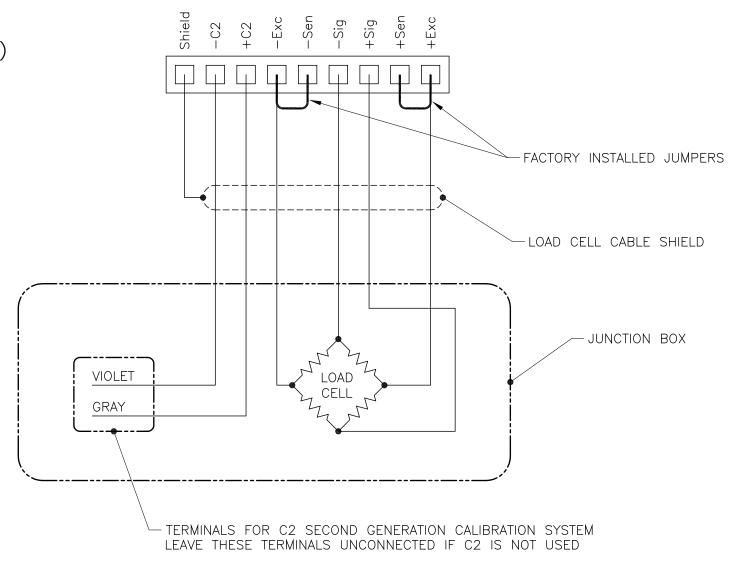
SCALE: NONE SHEET 5 OF 8

SENSOR INPUT TERMINATIONS

OPTION LC (SINGLE LOAD CELL OR SUMMED CONNECTION FROM JUNCTION BOX)

NOTES:

- 1. DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN THE SAME CONDUIT WITH POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
- 2. 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.
- 3. REQUIRED LOAD CELL CABLE FOR C2 SECOND GENERATION CALIBRATION SYSTEM: HARDY INSTRUMENTS PART NUMBER 6020-0001.
- 4. SEE USER'S GUIDE FOR ADDITIONAL INFORMATION ON ANALOG WEIGH SCALE INPUT CONNECTIONS.
- 5. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
 WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.



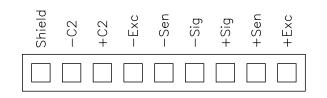
Channel 1

OPTION JB (FOUR LOAD CELL INPUT) & OPTION SD (FOUR LOAD CELL INPUT WITH SMART DIAGNOSTICS)

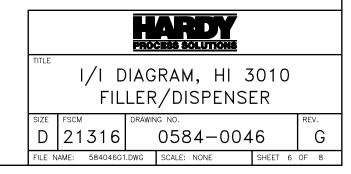
NOTES:

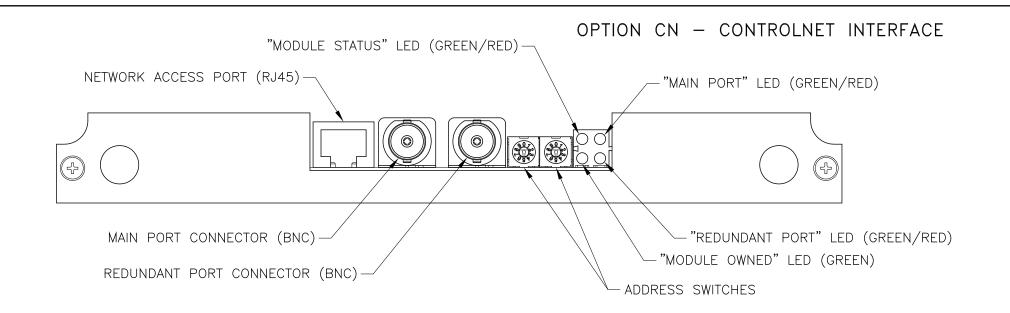
- 1. DO NOT RUN LOAD CELL CABLES PARALLEL TO, OR IN THE SAME CONDUIT WITH POWER WIRING, RELAY CABLE OR OTHER HIGH ENERGY CABLES.
- 2. FACTORY INSTALLED JUMPERS TO REMAIN IN PLACE FOR FOUR WIRE LOAD CELL CONNECTION. JUMPERS TO BE REMOVED FOR SIX WIRE OR EIGHT WIRE (C2) LOAD CELL CONNECTIONS.
- 3. REQUIRED LOAD CELL CABLE FOR C2 SECOND GENERATION CALIBRATION SYSTEM: HARDY INSTRUMENTS PART NUMBER 6020-0001.
- 4. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON LOAD CELL CONNECTIONS.
- 5. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
 WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

Channel 1, Channel 2, Channel 3 & Channel 4



TERMINATIONS ARE THE SAME AS OPTION LC, EXCEPT INDIVIDUAL LOAD CELLS ARE WIRED DIRECTLY TO CHANNELS 1 THROUGH 4

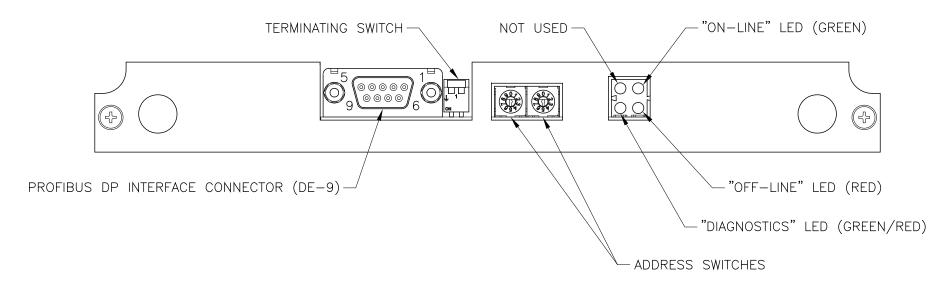




NOTES:

- 1. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON CONTROLNET TERMINATIONS.
- 2. OPTION CN CAN ONLY BE LOCATED IN THE LOWER OPTION SLOT.

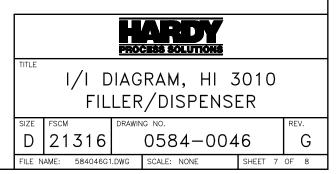
OPTION PB - PROFIBUS DP I/O INTERFACE



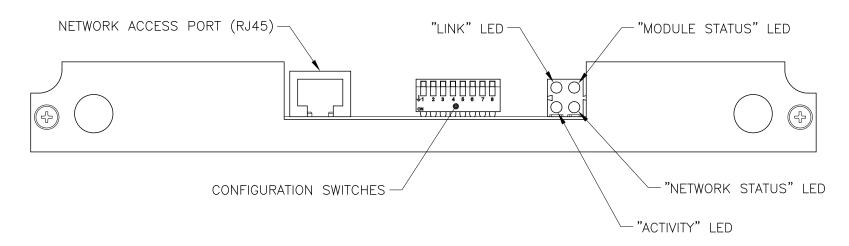
| PROFIBUS INTERFACE CONNECTOR TERMINATIONS | | | | | | | | | | | |
|---|------------|-----|---------|-----|------------|--|--|--|--|--|--|
| PIN | SIGNAL | PIN | SIGNAL | PIN | SIGNAL | | | | | | |
| 1 | NO CONNECT | 4 | RTS | 7 | NO CONNECT | | | | | | |
| 2 | NO CONNECT | 5 | GND BUS | 8 | RXD/TXD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

NOTES:

- 1. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON PROFIBUS DP I/O INTERFACE TERMINATIONS.
- 2. OPTION PB CAN ONLY BE LOCATED IN THE LOWER OPTION SLOT.



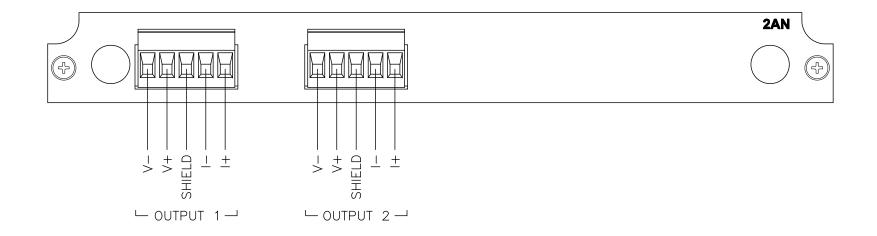
OPTION EIP - ETHERNET/IP INTERFACE



NOTES:

- 1. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON CONTROLNET TERMINATIONS.
- 2. OPTION EIP CAN BE LOCATED IN EITHER THE UPPER OPTION SLOT OR LOWER OPTION SLOT.

OPTION 2AN - DUAL ANALOG OUTPUT



NOTES:

- 1. SEE OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON ANALOG OUTPUT TERMINATIONS.
- 2. OPTION 2AN CAN BE LOCATED IN EITHER THE UPPER OPTION SLOT OR LOWER OPTION SLOT, OR IN BOTH OPTION SLOTS.
- 3. WIRE SIZE: 12 AWG MAXIMUM / 22 AWG MINIMUM.
 WIRE TIGHTENING TORQUE: 2 LB-IN MINIMUM / 4 LB-IN MAXIMUM.

