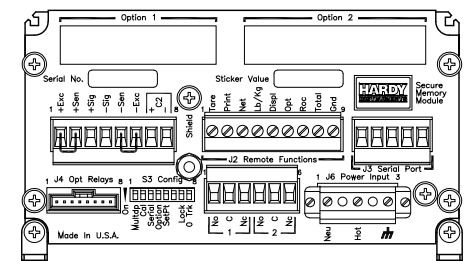


REV.	ECO/DDC	DESCRIPTION	DATE	DRAFT	CHECK	APV'D
A	05666	RELEASED.	06-15-98	V.J.C.	L.B.O.	D.C.
B	06401	REVISED PER ECN.	01-25-99	R.B.	L.B.O.	H.T.
C	07369	REVISED PER ECN.	05-08-00	L.B.O.	V.J.C.	G.I.
D	-----	DELETED ALLEN-BRADLEY REMOTE I/O NETWORK OPTION.	07-09-24	V.J.C.	L.N.	V.J.C.

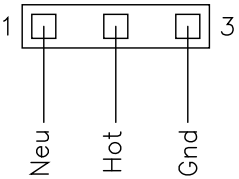


- NOTES: UNLESS OTHERWISE SPECIFIED

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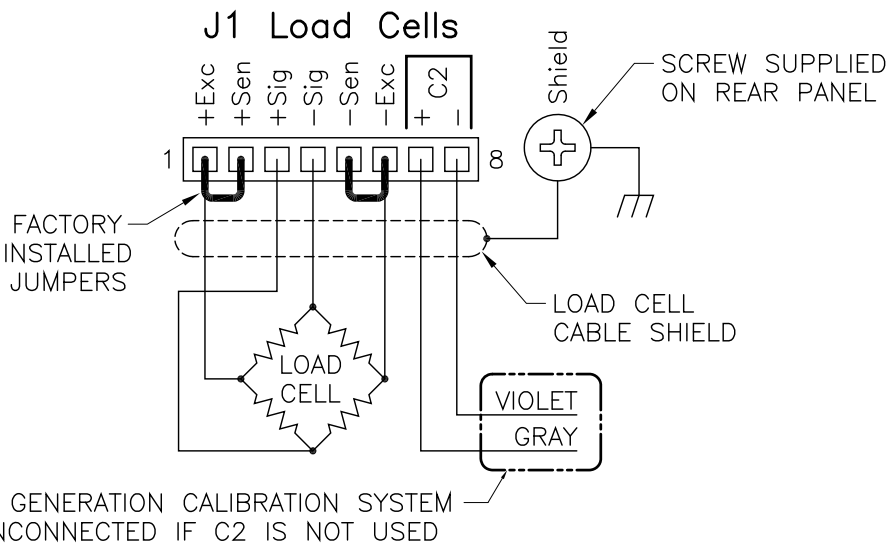
		0584-0032	I/I DIAGRAM, HI 2151/30WC-RM				
ITEM	QTY	PART NUMBER	DESCRIPTION		COMMENTS		
PARTS LIST							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND [MM]. TOLERANCES ARE: FRACTIONS: N/A DECIMALS: .XX = ±.03 .XXX = ±.010 ANGLES: ±0°, 30'		CONTRACT NO.		 TITLE I/I DIAGRAM, HI 2151/30WC-RM			
		APPROVALS					
		DRAWN V. CHULA	DATE 06-10-98				
		CHECKED L. OFTEDAHL	DATE 06-15-98				
		APPROVED D. CORNWELL	DATE 06-19-98				
MATERIAL							
FINISH		ISSUED K. McNULTY	DATE 06-22-98	SIZE D	FSCM 21316	DRAWING NO. 0584-0032	REV. D
DO NOT SCALE DRAWING		PRODUCTION	DATE	FILE NAME: 584032D1.DWG		SCALE: NONE	SHEET 1 OF 3

J6 Power Input



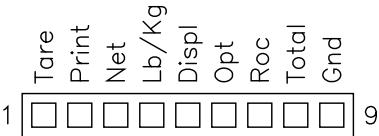
WIRE SIZE: 26 AWG MIN / 14 AWG MAX

- NOTES:
- 1. DO NOT RUN LOAD CELL CABLE PARALLEL TO, OR IN 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 P/N 6020-0001.
 - 4. SEE 0596-0224 OPERATION AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION ON LOAD CELL CONNECTIONS.



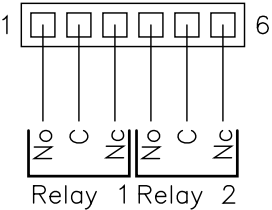
TERMINALS FOR C2 SECOND GENERATION CALIBRATION SYSTEM
LEAVE THESE TERMINALS UNCONNECTED IF C2 IS NOT USED

J2 Remote Functions



- NOTES:
- 1. MOMENTARY FUNCTIONS REQUIRE 100 mSEC OR GREATER TO GND FOR PROPER ACTIVATION, ONLY USE REMOTE FUNCTIONS GROUND (J2 PIN 9) FOR ACTIVATING REMOTE FUNCTION.
 - 2. REMOTE FUNCTIONS ARE NOT ISOLATED. DO NOT BUNDLE WIRING FROM REMOTE FUNCTIONS WITH POWER WIRING, RELAY CABLE OR ANY OTHER HIGH ENERGY CABLES.
 - 3. WIRE SIZE: 22 AWG MIN / 12 AWG MAX.

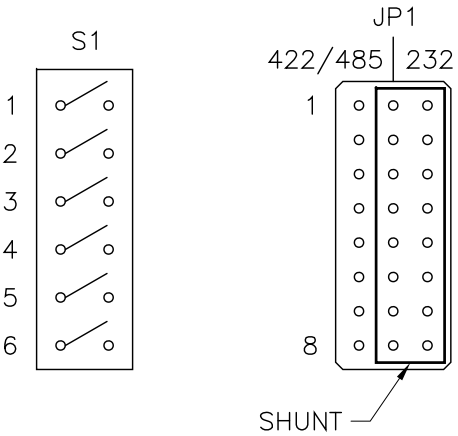
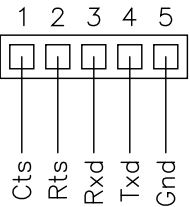
J5 Relays



- NOTES:
- 1. RELAY CONTACT RATING: 3 AMPS @ 125 VAC MAX
1.5 AMPS @ 250 VAC MAX
NON-FUSED
 - 2. WIRE SIZE: 22 AWG MIN / 12 AWG MAX.

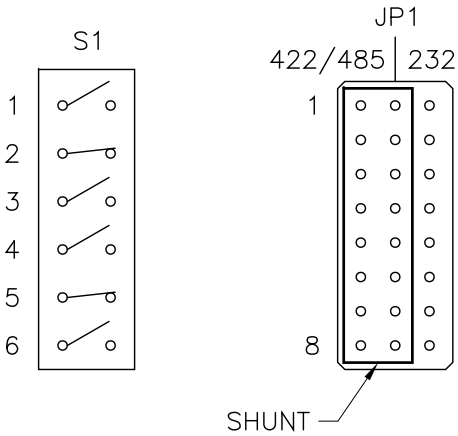
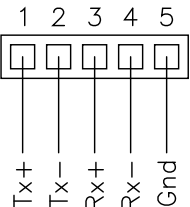
J3 Serial Port Connections

RS-232D (A1 OPTION)



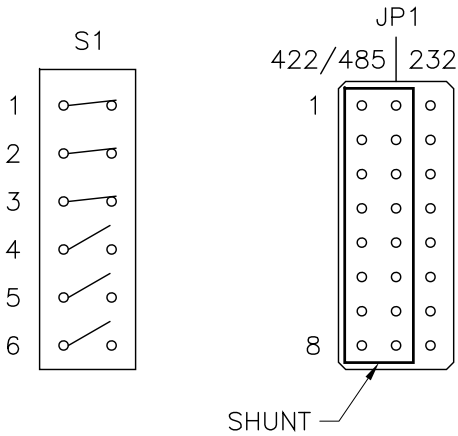
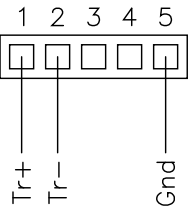
MAIN CONTROLLER PWB DIP SWITCH AND JUMPER BLOCK CONFIGURATION

EIA 422 (A2 OPTION)



MAIN CONTROLLER PWB DIP SWITCH AND JUMPER BLOCK CONFIGURATION

EIA 485 (A3 OPTION)

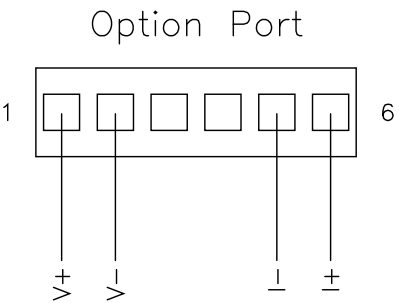


MAIN CONTROLLER PWB DIP SWITCH AND JUMPER BLOCK CONFIGURATION

- NOTES:
- 1. CUSTOMER TO SELECT DESIRED SERIAL PORT INTERFACE OPTION WHEN ORDERING UNIT.
 - 2. DIAGRAMS SHOWN DEPICT FACTORY DEFAULT S1 DIP SWITCH SETTINGS ONLY. REFER TO 0596-0224 OPERATION AND INSTALLATION MANUAL FOR DIP SWITCH SETTINGS CONCERNING SPECIFIC SERIAL PORT INTERFACE APPLICATIONS.
 - 3. MAIN CONTROLLER PWB LOCATED INSIDE UNIT. REFER TO 0596-0224 OPERATION AND INSTALLATION MANUAL FOR ACCESS TO S1 DIP SWITCH AND JP1 JUMPER BLOCK.
 - 4. WIRE SIZE: 22 AWG MIN / 12 AWG MAX.

HARDY INSTRUMENTS				
TITLE I/I DIAGRAM, HI 2151/30WC-RM				
SIZE	FSCM	DRAWING NO.	REV.	
D	21316	0584-0032	D	
FILE NAME: 584032D1.DWG		SCALE: NONE	SHEET 2 OF 3	

ANALOG OUTPUT OPTION



WIRE SIZE:
12 AWG – 22 AWG

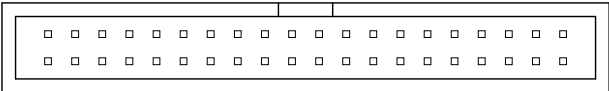
*JUMPER CONFIGURATION CHART			
CURRENT SELECTION		VOLTAGE SELECTION	
CONFIGURATION	JUMPER	CONFIGURATION	JUMPER
0 – 20mA	W1	0 – 5 VDC	W3
4 – 20mA	W2	0 – 10 VDC	W4

* STANDARD CONFIGURATION: 4 – 20mA, 0 – 10 VDC

NOTE: FOR MORE INFORMATION, REFER TO 0596–0224 OPERATION AND INSTALLATION MANUAL.

BCD OPTION

Option Port 2 Only



WIRING: 40 POSITION RIBBON CABLE (SUPPLIED BY HARDY INSTRUMENTS)

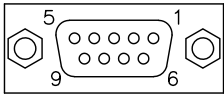
PRINT POLARITY SELECT	PRINT	W1
	PRINT	W2

* STANDARD CONFIGURATION: PRINT

NOTE: FOR MORE INFORMATION, REFER TO 0596–0224 OPERATION AND INSTALLATION MANUAL.

PROFIBUS OPTION

Option Port

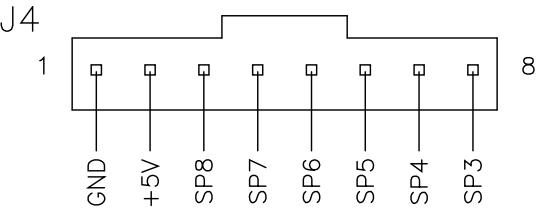


PROFIBUS PINOUT	
1	NC
2	NC
3	RXD/TXD–P
4	CNTR–P
5	GND
6	+5V
7	NC
8	RXD/TXD–N
9	NC

NOTE: FOR MORE INFORMATION, REFER TO 0596–0231–01 OPERATION AND INSTALLATION MANUAL.

TTL OUTPUT OPTION

(Used To Drive Optional Relays)



TTL OUTPUTS: 300mA PER LINE (NON–FUSED)

WIRING: CABLE SUPPLIED BY HARDY INSTRUMENTS

HARDY INSTRUMENTS			
TITLE I/I DIAGRAM, HI 2151/30WC–RM			
SIZE D	FSCM 21316	DRAWING NO. 0584–0032	REV. D
FILE NAME: 584032D1.DWG		SCALE: NONE	SHEET 3 OF 3