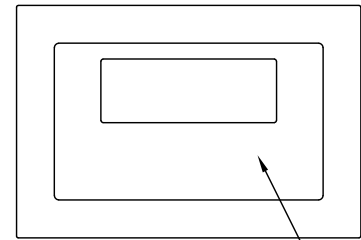


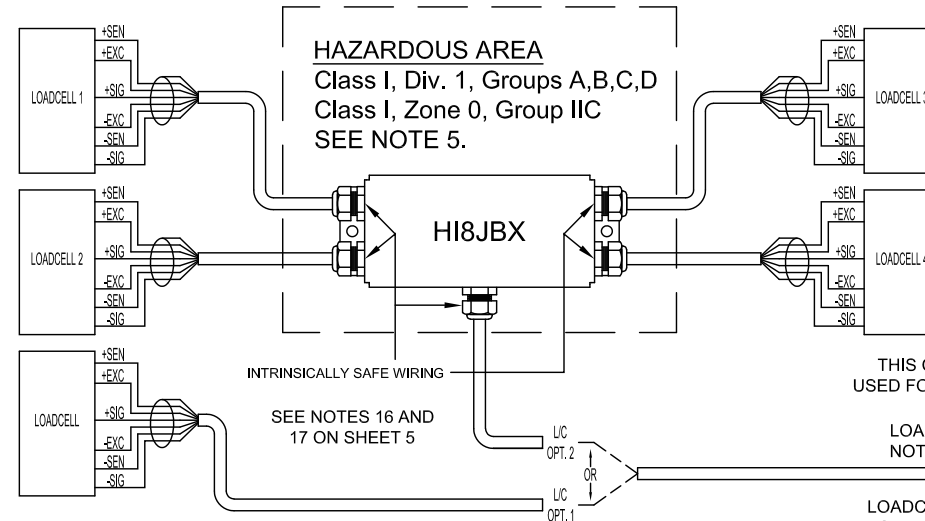
REV.	ECO/DDC	DESCRIPTION	DATE	DRAFT	CHECK	APV'D
A	----	RELEASED.	02-05-20	V.J.C.	T.N.	V.J.C.

LOAD CELL AND SUMMING BOARD INSTALLATION DIAGRAM

HI8100IS, HI8200IS
INDICATOR



WARNING: DUE TO THE RISK OF
ELECTROSTATIC CHARGE BUILDUP,
CLEAN KEYPAD AND VIEW WINDOW
ONLY WITH A DAMP CLOTH.



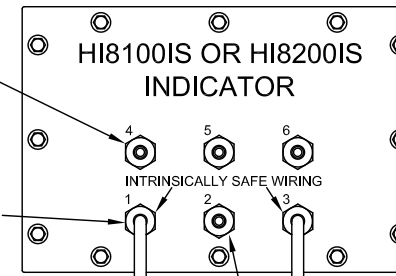
INDIVIDUAL LOAD CELLS SHALL BE 350
OHM OR GREATER.
1-4 350 OHM LOAD CELLS OR
1-4 1000 OHM LOAD CELLS CAN BE USED

HAZARDOUS AREA
Class I, Div. 1, Groups A,B,C,D
Class I, Zone 0, Group IIC
SEE NOTE 5.

HAZARDOUS AREA
Class I, Div. 1, Groups A,B,C,D
Class II, Div. 1, Groups E,F,G
Class III, Div. 1
Zone 0, Group IIC
Zone 20, Group IIIC

CAUTION: SEE 0596-0341-01 FOR CABLE GLAND
TORQUE AND CONDUCTOR SIZE RATINGS.

SEE TABLE 2 ON
SHEET 3 OF
CONTROL
DRAWING
0594-0013



SEE SHEET 2
NOTE 2(a)

THIS CABLE GLAND MUST ONLY BE
USED FOR LOAD CELL OR HI8JBX USE

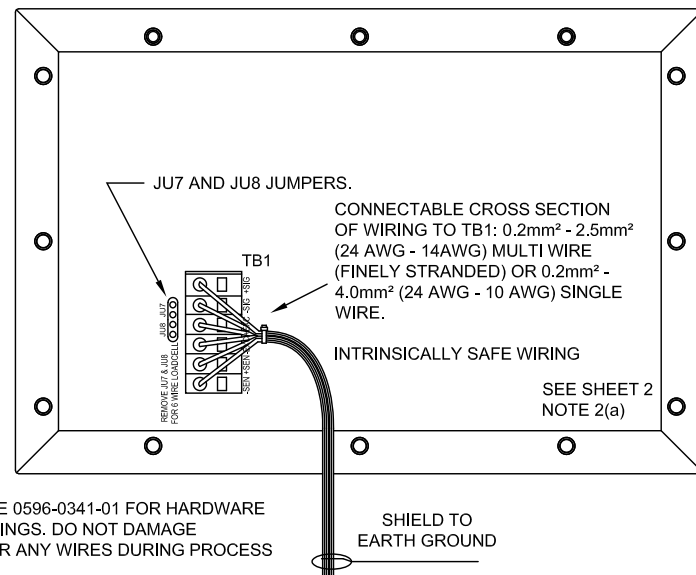
LOADCELL CABLE, REFER
NOTE 7 ON SHEET 5

WARNING: TO PREVENT FIRE OR EXPLOSION,
DISCONNECT POWER BEFORE SERVICING.

STRAIN RELIEF CABLE ACCEPTABLE OUTER DIAMETER RANGE:
0.236in - 0.250in (6.0mm - 6.35mm)

LOADCELLS MUST BE CERTIFIED
FOR APPROPRIATE HAZARDOUS
AREA AND ENTITY PARAMETERS.
SEE NOTE 1

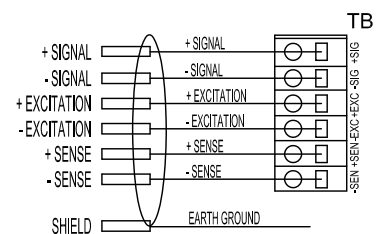
HI8100IS, HI8200IS INDICATOR INTRINSICALLY SAFE OUTPUT WIRING AND LOAD CELL CONFIGURATION JUMPERS



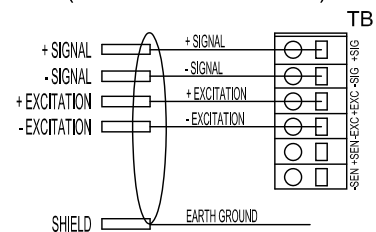
CAUTION: SEE 0596-0341-01 FOR HARDWARE
TORQUE RATINGS. DO NOT DAMAGE
CIRCUITRY OR ANY WIRES DURING PROCESS

CONNECT LOADCELL(S) CABLE
THRU GLAND TO TB1 TERMINAL,
REFER NOTE 4 ON PAGE 5

6-WIRE LOADCELL CONNECTION (REMOVE JU7 AND JU8)



4-WIRE LOADCELL CONNECTION (INSERT JU7 AND JU8)



OUTPUT ENTITY PARAMETERS					
DESCRIPTION (LOCATION)	U _o	I _o	P _o	C _o	L _o
LOADCELL (TB1)	7.14 V	0.7076 A	0.895 W	10.8 uF	71 uH

- THESE OUTPUTS MAY ALSO BE CONNECTED TO SIMPLE APPARATUS AS DEFINED IN ARTICLE 504.2 AND INSTALLED AND TEMPERATURE CLASSIFIED IN ACCORDANCE WITH ARTICLE 504.10(D) OF THE NATIONAL ELECTRICAL CODE (ANSI/NFPA 70), OR OTHER LOCAL CODES, AS APPLICABLE.
- SELECTED INTRINSICALLY SAFE EQUIPMENT/LOADCELLS (FOR USE WITH THESE INTRINSICALLY SAFE HARDY OUTPUTS) MUST BE THIRD PARTY LISTED AS INTRINSICALLY SAFE FOR THE APPLICATION (UNLESS DEEMED SIMPLE APPARATUS PER NOTE 1), AND HAVE INTRINSICALLY SAFE ENTITY PARAMETERS CONFORMING WITH TABLE 1 BELOW

TABLE 1	
I.S. Equipment/Loadcells	I.S. Hardy Outputs
V max (or U _i)	≥ Voc or Vt (or U _o)
I max (or I _i)	≥ Isc or It (or I _o)
P max, P _i	≥ Po
C _i + C _{ccable}	≤ Ca (or Co)
L _i + L _{ccable}	≤ La (or Lo)

- SEE PAGE 5 (NOTES FOR PAGE 1 OF CONTROL DRAWING No. 0594-0013)

ITEM	QTY	0594-0013	SYSTEM CONTROL DRAWING, HI8000 SERIES	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 SYSTEM CONTROL DRAWING, HI8000 SERIES	
MATERIAL		APPROVALS			
FINISH		DRAWN V. CHULA	DATE 11-04-19		
DO NOT SCALE DRAWING		CHECKED T. NORMAN	DATE 02-05-20		
		ISSUED V. CHULA	DATE 02-05-20	SIZE D	FSCM 21316
		PRODUCTION	DATE	DRAWING NO. 0594-0013	REV. A
				FILE NAME: 594013A1.DWG	SCALE: NONE
				SHEET 1 OF 5	

WARNING
READ AND UNDERSTAND COMPLETELY USER MANUAL NO. 0596-0341-01
FOR THESE DEVICES BEFORE INSTALLATION OR OPERATION

NOTES: UNLESS OTHERWISE SPECIFIED

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