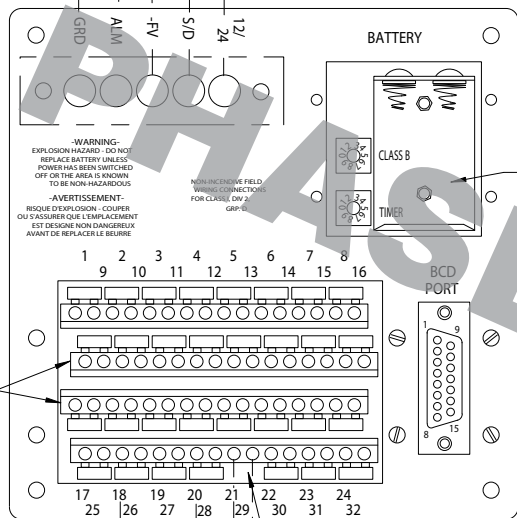


TO BE INSTALLED IN ACCORDANCE WITH THE NEC CODE FOR CLASS I, DIV. 2, GROUP D HAZARDOUS LOCATIONS

NOTES:

1. SENSORS ARE NORMALLY OPEN OR NORMALLY CLOSED, MECHANICALLY ACTUATED PASSIVE SWITCHES.
2. NON-INCENDIVE FIELD CIRCUITS VOC = 10.5Vdc, ISC = 1.2MA, CA = 21uf, LA = 1000MH
3. BCD PORT MAXIMUM OUTPUT CURRENT SOURCED BY A SINGLE PIN = 40MA, MAXIMUM OUTPUT CURRENT SINKED BY A SINGLE PIN = 50MA, MAXIMUM TOTAL SOURCE CURRENT FOR ALL PINS = 80MA
4. BCD PORT SUPPLY VOLTAGE = 10-32Vdc
5. ALL OUTPUTS RATED 0.5 AMP CONTINUOUS 250 Vdc
6. POWER INPUT 10-32Vdc, 0.6VA MAX



LITHIUM BATTERY DL223A 6Vdc

- WARNING - EXPLOSION HAZARD, DO NOT CONNECT OR DISCONNECT BCD CABLE UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.

BCD PORT CONNECTOR

PIN #	BIT #	BCD
1	BIT 0	LSD (UNITS)
2	BIT 1	
3	BIT 2	
4	BIT 3	
5	BIT 4	MSD (TENS)
6	BIT 5	
7	BIT 6	
8	BIT 7	
9	(+)Vdc	
10	DC COMMON (-)	
11	SPARE	
12	SPARE	
13	SPARE	
14	SPARE	
15	SPARE	

SENSOR SWITCH INPUT TERMINAL STRIPS
ROUTE SENSOR LEADS IN CONDUIT SEPARATE FROM ALL OTHER WIRING

NON-INCENDIVE FIELD WIRING CONNECTIONS TO PASSIVE SWITCHES FOR USE IN CLASS I, DIV. 2, GROUP D.

SENSOR LEAD MAXIMUM LENGTH = 200 FT.

TYPICAL NORMALLY OPEN SENSOR FOR USE IN CLASS I, DIV. 2, GROUP D HAZARDOUS LOCATIONS REF. NOTE 1

REMOVE JUMPER FOR NORMALLY CLOSED

TYPICAL NORMALLY CLOSED SENSOR FOR USE IN CLASS I, DIV. 2, GROUP D HAZARDOUS LOCATIONS REF. NOTE 1

						DATE: 11-21-94	
A	REVISED SILKSCREENED INFORMATION	2/10/95	95-H014	BF		ORIG. ER# 94-H302	
REV.	CHANGES MADE	DATE	ER#	BY	CHK	SCALE: NONE	
MATERIAL	FINISH	UNLESS NOTED OTHERWISE DIMENSIONS ARE IN INCHES TOLERANCES: .XX +/- .030 ANGLES +/- 2 .XXX +/- .010 ✓ 125 FRACTIONS +/- 1/32			PRE-PROD. <input type="checkbox"/>	DRWN BY: BF	USED ON MARK III-12/24
				PROD. <input type="checkbox"/>	CHKD BY:	PART NO.	
					APPD BY:	DRAWING NO. HA14228	
						REV A	



SOUTHERN DIVISION - ROSENBERG, TEXAS

NAME **TYPICAL WIRING INSTALLATION**

USED ON **MARK III-12/24**

PART NO.

DRAWING NO.
HA14228

REV
A