

ECO NO		REV	ZONE	LTR	DESCRIPTION	DATE	CHK
RR	1	-	-	-	REMOVED SWITCH OPTIONS 3, 4, AND 5 (PEPPER-FUCHS)-RCHR	10-18-12	JJACK

FM REQUIREMENT ONLY
 Class I, Division 2, Applications must be installed as specified in NEC Section 501-4 when barriers are not used. Installation for the A/O option should be per NEC 504.30.B (Refer to ANSI / ISA 12.06.01 for guidance on installation)

U_o, V_{oc} or $V_t < V_{max}$ or U_i
 I_o, I_{sc} or $I_t < I_{max}$ or I_i
 P_o or $P_t < P_i$
 C_a or $C_o > C_i + C_{cable}$
 L_a or $L_o > L_i + L_{cable}$
 MAXIMUM NON-HAZARDOUS VOLTAGE MUST NOT EXCEED 250V

Special Condition for Safe Use

- To prevent the risk of electrostatic sparking the enclosure shall only be cleaned with a damp cloth.
- The Logix 500MD+ enclosure contains aluminum and is considered to present a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.

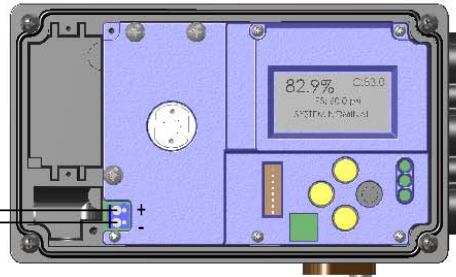
UNCLASSIFIED AREA

HAZARDOUS AREA

NOTE: INSTALL EACH WIRING (TERMINAL) PAIR AS SEPARATE INTRINSICALLY SAFE CIRCUIT PER THE NATIONAL ELECTRICAL CODE (NFPA 70).

FM: Class I, Division 1 Groups A,B,C,D
 Non-Incendive For Class I, Division 2, Groups A,B,C,D,
 Class I, Zone 0, AEx ia IIC

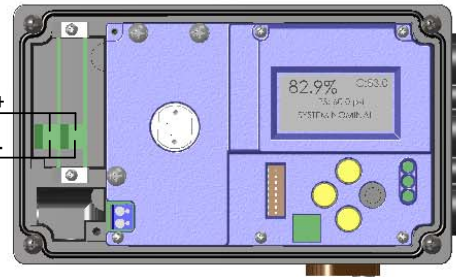
4-20 in



FM
 C US
 APPROVED
 4-20 in

FM REQUIREMENTS
 FIELD CONNECTIONS:
 $U_i = 30$ VDC
 $I_i = 100$ mA
 $P_i = 800$ mW
 $L_i = 47$
 $C_i = 0$

Optional Aux Card
 (MUST BE INSTALLED IN SLOT 1 ONLY,
 WHEN INSTALLED IN A HAZARDOUS AREA)



FM
 C US
 APPROVED

OPTIONAL AUX CARDS

SAFETY DO
 FM REQUIREMENTS
 FIELD CONNECTIONS:
 $U_i = 30$ VDC
 $I_i = 100$ mA
 $P_i = 800$ mW
 $L_i = 0$
 $C_i = 0$

Optional Switches

Limit Switch -02
 SW1 (T1, 2)
 SW2 (T4, T5)
 Reed Switch (NO)
 $U_i = 10.6$ VDC
 $I_i = 29.7$ mA
 $P_i = 79$ mW
 $C_i = 1$ nF
 $L_i = 1$ μH

Optional Switch



(SEE NOTE 1)

FM APPROVED BARRIER

(SEE NOTE 1)

FM APPROVED BARRIER

FM APPROVED BARRIER

- WARNING: To prevent ignition of flammable or combustible atmospheres, read, understand and adhere to the manufactures live maintenance procedures.
- Barriers not required for Division 2 locations.
- Barriers need to be HART compliant

NOTES:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND ARE AFTER PLATING.		DRW BY	RCHR	12-14-11	Flow Control Division SITE SPR
X .006 XX .01 XXX .015		CHK BY	KBAT	12-14-11	
ANGLES ± 1/2°		TRNG BY			CONTROL DRAWING, LOGIX PLUS 500 DIGITAL POSITIONER
THIRD ANGLE PROJECTION		TEXT ASSY	DESIGN FILE		
DIMENSIONS WITH ± TOLERANCES ARE IDEAL DESIGN DIMENSIONS. ALL DIMENSIONS AND TOLERANCES PER ANSI Y14.5M - 1982		REF LAYOUT	MACHINE FINISH		DRAWING NO 291780
DO NOT SCALE		UNSPEC. RADII	R		
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