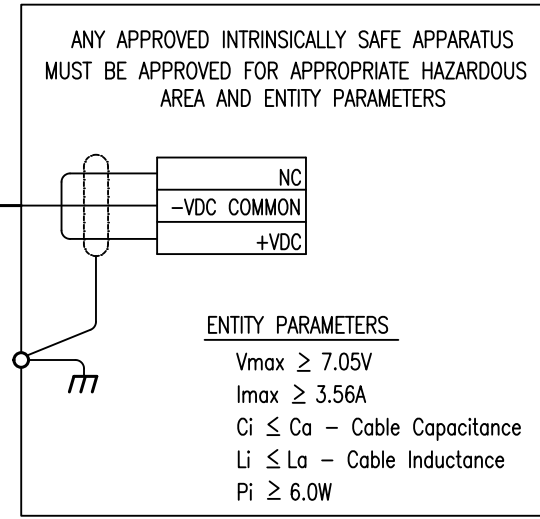
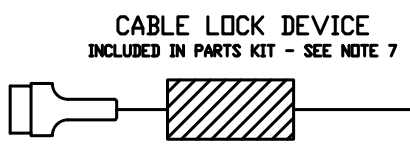
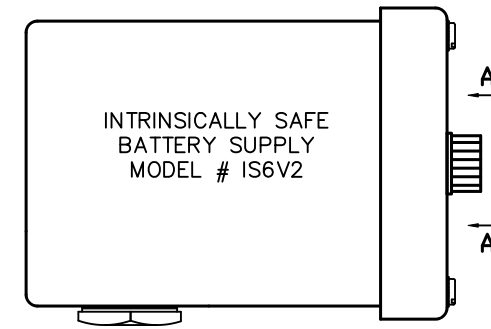


REVISION			
REV	REFERENCE	INIT	DATE
A	ENG. RELEASE	BJB	11/15/18

HAZARDOUS AREA
 CLASS 1, II, III, DIVISION I, GROUPS A,B,C,D,E,F,G
 CLASS 1, ZONE 0, GROUP IIC
 ZONE 21, GROUP IIIC



ENTITY PARAMETERS FOR BATTERY SUPPLY					
TERMINALS	Voc/ Uo(V)	Isc/Io (A)	Po(W)	Ca/Co (uF)	La/Lo (uH)
BATTERY UNIT	7.05	3.56	6	14.6	2.8

ENTITY PARAMETERS
 $V_{max} \geq 7.05V$
 $I_{max} \geq 3.56A$
 $C_i \leq C_a$ - Cable Capacitance
 $L_i \leq L_a$ - Cable Inductance
 $P_i \geq 6.0W$

} SEE NOTE 3 & 4

- NOTES:
- THIS DRAWING IS FOR CUSTOMER INSTALLATION AND WIRING ONLY.
 - INSTALLATION OF EQUIPMENT SHALL BE IN ACCORDANCE WITH NEC (NFPA 70, ARTICLES 500-506) AND ANSI/ISA-RP12.06.01 TO MEET US REQUIREMENTS. FOR CANADIAN REQUIREMENTS CONSULT C22.1. FOR US INSTALLATIONS, INTERCONNECTING DEVICES IN THE HAZARDOUS AREA MUST BE FM APPROVED.
 - C_i AND L_i PARAMETERS MUST TAKE INTO ACCOUNT CABLE CAPACITANCE AND INDUCTANCE. IF THE CABLE ELECTRICAL PARAMETERS ARE UNKNOWN THE DEFAULT VALUES SHALL BE:
 CAPACITANCE = 60pF/FT INDUCTANCE = 0.2uH/FT
 - FM ENTITY APPROVED INTRINSICALLY SAFE DEVICES CAN BE INTERCONNECTED WHEN ENTITY PARAMETERS MEET THE FOLLOWING CONDITIONS.
 $V_{max}(U_i) \geq V_{oc}(U_o)$, $C_i + C_{cable} \leq C_a(C_o)$, $L_i + L_{cable} \leq L_a(L_o)$, $P_o \leq P_i$, $I_o(I_{sc}) \leq I_{max}$
 - ONLY REPLACE BATTERY WITH ENERGYSYS #NP10-6.
 - WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
 WARNING: BATTERIES MUST BE CHANGED IN A NONHAZARDOUS LOCATION ONLY.
 CAUTION: RECHARGE BATTERIES IN A NONHAZARDOUS LOCATION.
 - CABLE LOCKOUT DEVICE MUST BE INSTALLED OVER CONNECTION BETWEEN THE BATTERY AND THE CABLE. LOCKOUT DEVICE MUST BE INSTALLED AT ALL TIMES IN THE HAZARDOUS AREA AND CAN ONLY BE REMOVED IN A NON-HAZARDOUS AREA. LOCKOUT DEVICE MUST BE RE-INSTALLED PRIOR TO RE-ENTERING THE HAZARDOUS AREA.

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