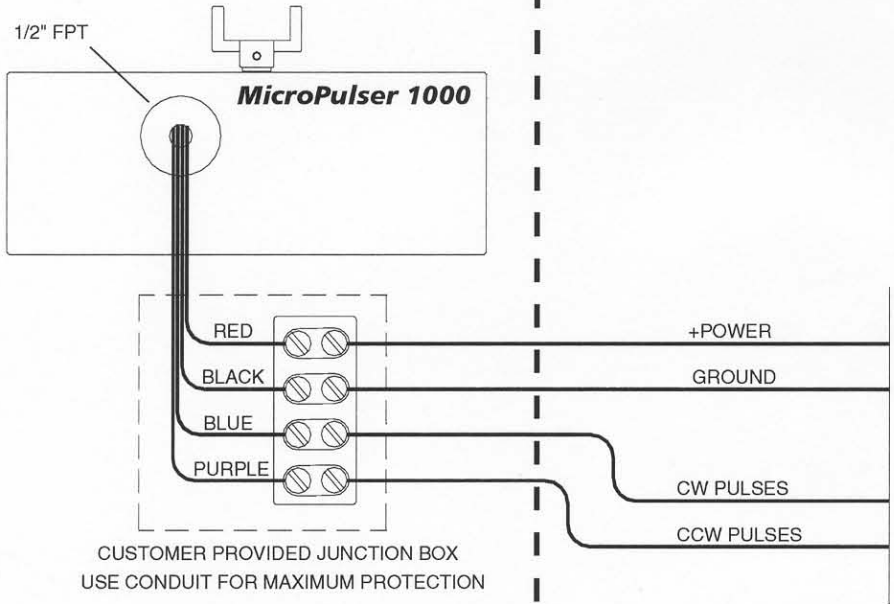


MicroPulser 1000
 INTRINSICALLY SAFE
 CLASS I, DIVISION 1
 GROUPS C AND D

HAZARDOUS AREA

NON-HAZARDOUS AREA



MUST BE CONNECTED TO
 A SINGLE MULTICHANNEL
 BARRIER.

V_{oc} OR $V_t \leq 30$ V
 I_{sc} OR $I_t \leq 100$ mA
 $C_a \geq C_{cable} + 0\mu F$
 $L_a \geq L_{cable} + 0mH$

CUSTOMER PROVIDED JUNCTION BOX
 USE CONDUIT FOR MAXIMUM PROTECTION

ENTITY PARAMETERS

$V_{max} = 30$ V
 $I_{max} = 100$ mA
 $C_i = 0$
 $L_i = 0$

POWER SUPPLY 10 to 30 Vdc, 20ma MAX
 CW & CCW PULSES ARE OPEN COLLECTOR
 DO NOT EXCEED 30V OR 50 ma

NOTES:

1. MAXIMUM SAFE AREA VOLTAGE 250Vrms.
2. ASSOCIATED APPARATUS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
3. U.S. INSTALLATIONS MUST BE IN ACCORDANCE WITH ANSI/NFPA 70 AND ANSI/ISA 12.6.
4. NO REVISIONS WITHOUT PRIOR FACTORY MUTUAL RESEARCH CORPORATION APPROVAL.
5. SUBSTITUTION OF COMPONENTS MAY IMPAIR HAZARDOUS LOCATION SAFETY.

NO REVISIONS WITHOUT PRIOR
 FM AUTHORIZATION

REVISION HISTORY		
NO.	DETAILS	DATE
1	ADDED NOTES & CHANGED I_{max}	1/9/98
2	MAX CURRENT 20ma	2/18/98

Microflex

CONTROL DOCUMENT
 SIGNATURE: *[Signature]*

MICROPULSER FM I.S. INSTALLATION		
FM_CONTL.DWG	11/03/97	REV 2
KJC	DWG NO. MCD001	1 OF 1