



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	0	PRODUCTION RELEASE	12/2/05	EPL
	1	CHANGES PER ECN 5250	6/4/14	INC
	2	CHANGES PER ECN 6322	1/22/19	HZ
	3	CHANGES PER CO 10224	4/28/21	EPL

1. THE INSTALLATION MUST CONFORM TO THE NATIONAL REQUIREMENT OF THE COUNTRY OF USE. FOR EXAMPLE, UK INSTALLATION MUST CONFORM TO BS EN 60079-14.
2. THE ELECTRICAL CIRCUIT IN THE HAZARDOUS AREA MUST WITHSTAND AN AC TEST VOLTAGE OF 500V RMS TO EARTH OR FRAME OF APPARATUS FOR ONE MINUTE WITHOUT BREAKDOWN.
3. NON-HAZARDOUS (SAFE) AREA APPARATUS. UNSPECIFIED, EXCEPT THAT IT MUST NOT BE SUPPLIED NOR CONTAIN UNDER NORMAL OR ABNORMAL CONDITIONS, A SOURCE OF POTENTIAL WITH RESPECT TO EARTH IN EXCESS OF 250V AC RMS OR 250V DC.
4. CABLE AND CABLE PARAMETERS. THE CAPACITANCE SHALL NOT EXCEED 0.2 UF AND THE INDUCTANCE TO RESISTANCE RATIO SHALL NOT EXCEED 75 UH/OHM. THE CABLE USED MAY BE A SEPERATE CABLE OR MAYBE INSTALLED IN A TYPE "A" OR TYPE "B" MULTICORE CABLE (AS DEFINED IN BS EN 60079-25). PROVIDED THAT THE PEAK VOLTAGE OF ANY CIRCUIT WITHIN THE TYPE B MULTICORE CABLE DOES NOT EXCEED 60V.
5. SENSOR TO PRE-AMPLIFIER CABLE TO BE INTEGRAL TO SENSOR, AND HAVE MAXIMUM LENGTH OF 5 METERS.
6. THE BARRIER MUST BE CONNECTED TO EARTH VIA A HIGH INTEGRITY CONNECTION, TO THE MAIN POWER SYSTEM EARTH OF LESS THAN 1 OHM. THE SYSTEM MUST BE MARKED WITH A DURABLE LABEL THE LABEL SHOULD APPEAR ON OR ADJACENT TO THE PRINCIPAL ITEM OF ELECTRICAL APPARATUS IN THE SYSTEM OR AT THE INTERFACE BETWEEN THE INTRINSICALLY SAFE AND NON-INTRINSICALLY SAFE CIRCUIT.

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APPROVALS	DATE	
DRAWN	INC	6/4/14
CHECKED		
ENG		
PROJECT MGT.		
MFG		
QA		
1278 SYSTEM CONNECTIONS		SIZE
		CODE IDENT NO.
1278-6000		DRAWING NO.
1278_6000_R3.DWG		SCALE NTS
		SHEET 1 OF 1