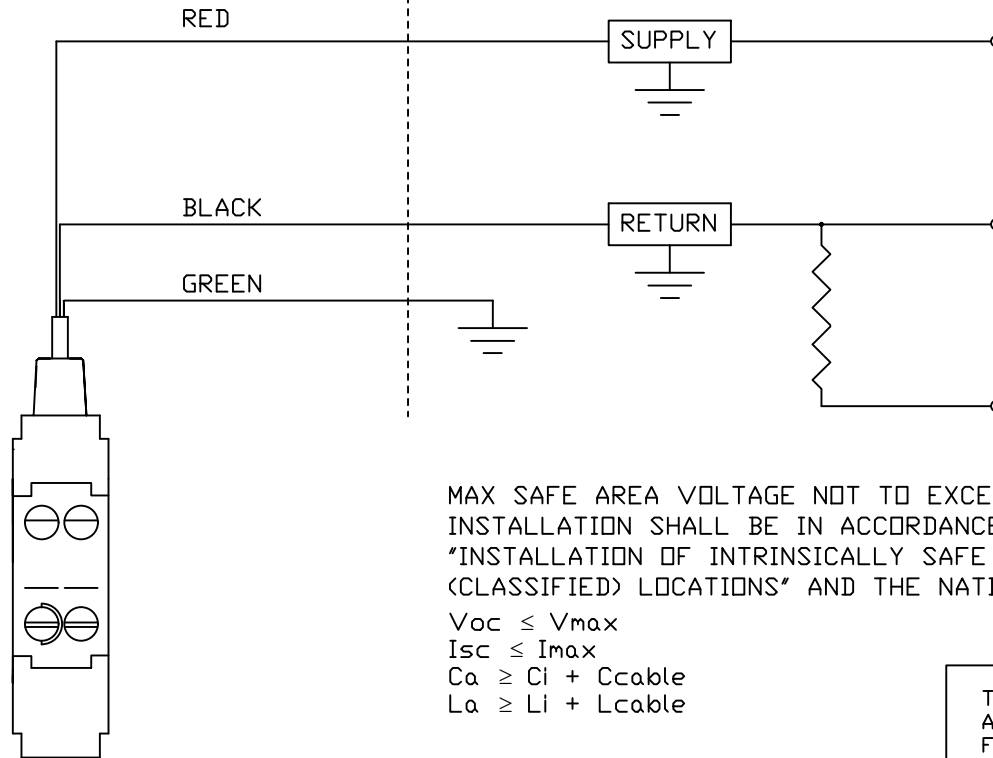


HAZARDOUS AREA

SAFE AREA

FM ENTITY APPROVED BARRIERS



PRESSURE TRANSMITTER  
MODEL 1171

CLASS I, II, III, DIV I  
GROUP A, B, C, D, E, F, G  
ENTITY VALUES  
V<sub>max</sub> = 36 Vdc  
I<sub>max</sub> = 250 mAdc  
P<sub>max</sub> = 0.9 W  
C<sub>i</sub> = 3.2 nF  
L<sub>i</sub> = 0  
T<sub>a</sub> = 80C, Temp. Class T4

MAX SAFE AREA VOLTAGE NOT TO EXCEED 250 V<sub>rms</sub>  
INSTALLATION SHALL BE IN ACCORDANCE WITH ANSI/ISA RP12.6  
"INSTALLATION OF INTRINSICALLY SAFE SYSTEMS FOR HAZARDOUS  
(CLASSIFIED) LOCATIONS" AND THE NATIONAL ELECTRIC CODE.  
V<sub>oc</sub> ≤ V<sub>max</sub>  
I<sub>sc</sub> ≤ I<sub>max</sub>  
C<sub>a</sub> ≥ C<sub>i</sub> + C<sub>cable</sub>  
L<sub>a</sub> ≥ L<sub>i</sub> + L<sub>cable</sub>

THIS IS A CONTROLLED DRAWING  
AND MAY NOT BE CHANGED WITHOUT  
FACTORY MUTUAL'S AUTHORIZATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  FRACTIONS ± 1/64 DECIMALS: TOLERANCES: .XX ±.01 .XXX ±.005 ANGLES ± 1/2°  63√ MACHINE FINISH (ALL SURFACES) REMOVE BURRS & BREAK SHARP EDGES .015 MAX. MACHINE FILLETS TO .015 R MAX. ALL DIAMETERS TO BE CONCENTRIC WITHIN .010 T.I.R. CHAMFER ALL MALE THREADS 45°±5° TO MINOR DIAMETER C'SINK ALL FEMALE THREADS 90°±10° TO MAJOR DIAMETER	REVISIONS				GP:50 NEW YORK LTD. 2770 LONG ROAD GRAND ISLAND, NY 14072  TEL. NO. (716)773-9300 FAX NO. (716)773-5019				
	LET	DATE	BY	ECN	DRAWN 1 TO 1		MATERIAL	DRAWN BY: DATE	
	A	11/27/00	CA		PLOT FULL			CA 10/12/00	
	B	12/11/00	CA		DESIGNER		REVIEW	DATE	APPROVED DATE
	C	1/17/01	CA						CA 4/3/06
D	4/3/06	CA	231	TITLE: SCHEMATIC IS FIELD WIRING MODEL 1171		DRAWING NO. 1C1-77-2		REV. D	