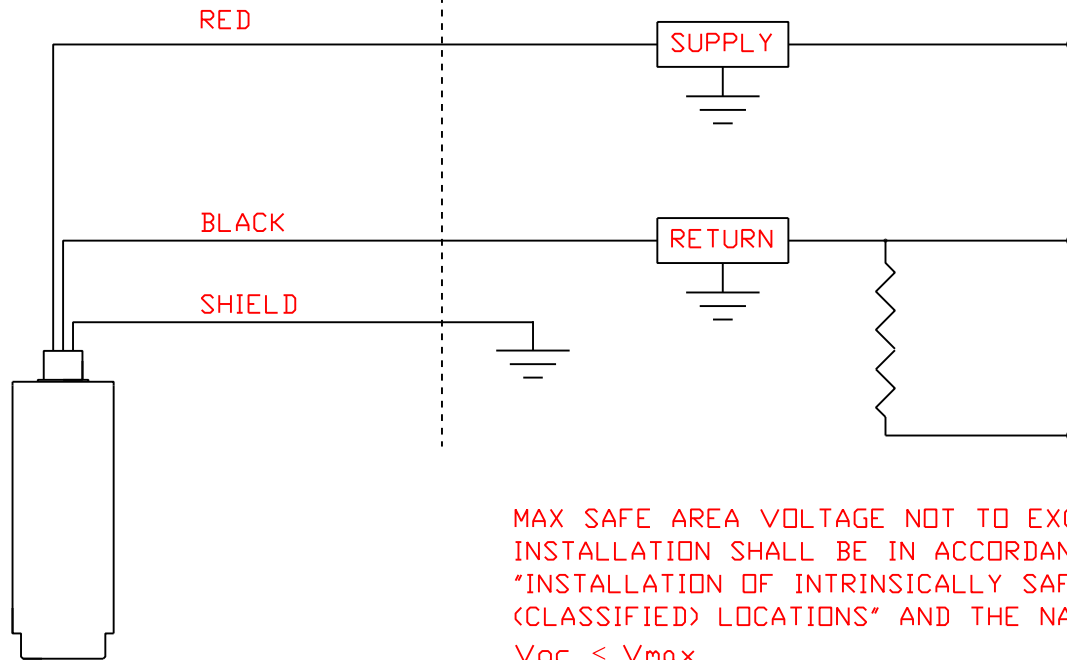


HAZARDOUS AREA

SAFE AREA

FM ENTITY APPROVED BARRIERS



PRESSURE TRANSMITTER
MODELS 311Z, 312Z, 314Z
315Z, 317Z, 330Z, 331Z

CLASS I, II, III, DIV I
GROUP A, B, C, D, E, F, G
ENTITY VALUES

$V_{max} = 36 \text{ Vdc}$

$I_{max} = 250 \text{ mAdc}$

$P_{max} = 0.9 \text{ W}$

$C_i = 3.2 \text{ nF}$

$L_i = 0$

$T_a = 80\text{C}$, Temp. Class T4

MAX SAFE AREA VOLTAGE NOT TO EXCEED 250 V_{rms}
INSTALLATION SHALL BE IN ACCORDANCE WITH ANSI/ISA RP12.6
"INSTALLATION OF INTRINSICALLY SAFE SYSTEMS FOR HAZARDOUS
(CLASSIFIED) LOCATIONS" AND THE NATIONAL ELECTRIC CODE.

$V_{oc} \leq V_{max}$

$I_{sc} \leq I_{max}$

$C_a \geq C_i + C_{cable}$

$L_a \geq L_i + L_{cable}$

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	REVISIONS				GP:50 NEW YORK LTD. 2770 LONG ROAD GRAND ISLAND, NY 14072	
	LET	DATE	BY	ECN	TEL. NO. (716)773-9300	FAX NO. (716)773-5019
FRACTIONS $\pm 1/64$ DECIMALS: TOLERANCES: .XX $\pm .01$.XXX $\pm .005$ ANGLES $\pm 1/2^\circ$	A	11/27/00	CA		DRAWN 1 TO 1	MATERIAL
	B	12/11/00	CA		PLOT FULL	DRAWN BY: DATE CA 10/12/00
63 $\sqrt{\text{M}}$ 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 $45^\circ \pm 5^\circ$ TO MINOR DIAMETER C'SINK ALL FEMALE THREADS $90^\circ \pm 10^\circ$ TO MAJOR DIAMETER	C	4/3/06	CA	231	DESIGNER	REVIEW DATE APPROVED DATE CA 4/3/06
	TITLE: SCHEMATIC IS FIELD WIRING			DRAWING NO. 1C1-76-2	REV. C	