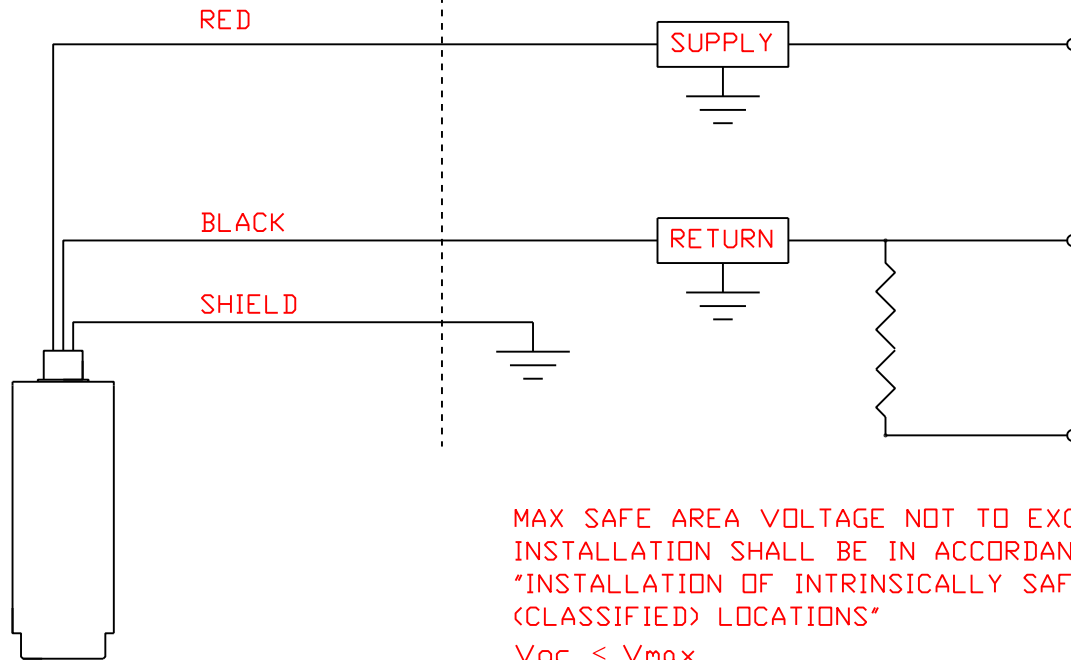


HAZARDOUS AREA

SAFE AREA

ENTITY APPROVED BARRIERS



One dual-channel or two single-channel barriers may be used, where in either case, both channels have been CSA Certified for use together with combined entity parameters.

PRESSURE TRANSMITTER  
MODELS 311Z, 312Z, 314Z  
315Z, 317Z, 330Z, 331Z, 370Z

Exia  
CLASS I, GROUPS A, B, C & D  
CLASS II, GROUPS E, F & G  
CLASS III

ENTITY VALUES

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

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

$C_i = 3.2 \text{ nF}$

$L_i = 0$

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

MAX SAFE AREA VOLTAGE NOT TO EXCEED 250  $V_{rms}$   
INSTALLATION SHALL BE IN ACCORDANCE WITH CEC  
"INSTALLATION OF INTRINSICALLY SAFE SYSTEMS FOR HAZARDOUS  
(CLASSIFIED) LOCATIONS"

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

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

$C_a \geq C_i + C_{cable}$

$L_a \geq L_i + L_{cable}$

THIS IS A CONTROLLED DRAWING  
AND MAY NOT BE CHANGED WITHOUT  
THIRD PARTY 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	6/12/01	CA		DRAWN 1 TO 1	MATERIAL
	B	6/1/06	DB	234	PLOT FULL	DRAWN BY: DATE CA 3/28/01
63 $\checkmark$ 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					DESIGNER	REVIEW DATE APPROVED DATE ca 11/1/06
					TITLE: SCHEMATIC, CSA IS FIELD WIRING	DRAWING NO. 1C1-78-2
						REV. B