

HAZARDOUS AREA

SAFE AREA  
ENTITY APPROVED BARRIERS

RED

BLACK

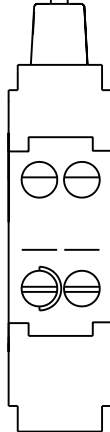
GREEN

SUPPLY

RETURN

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  
MODEL 1171



Exia  
CLASS I, GROUPS A, B, C & D  
CLASS II, GROUP 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 Vrms  
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  
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
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					PLOT FULL	DRAWN BY: DATE CA 3/28/01
					DESIGNER	REVIEW DATE APPROVED DATE CA 6/28/01
					TITLE: SCHEMATIC, CSA IS FIELD WIRING MODEL 1171	DRAWING NO. 1C1-79-2
						REV. A