

HAZARDOUS AREA

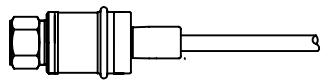
INSTALLATION INSTRUCTIONS FOR CLASS I DIV 2

UNITS MEET CLASS I DIV 2 WHEN INSTALLED IN ACCORDANCE WITH CLASS I DIV 2 METHODS. EITHER BY USING THE CONDUIT CONNECTION AND GROUND CONNECTION PROVIDED OR BY INSTALLING IN A SUITABLE ENCLOSURE ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION.

INSTALLATION INSTRUCTIONS FOR CLASS I DIV 2

Class I, Groups A, B, C, D
Class II, Groups E, F, G

PRESSURE TRANSMITTER
PXT SERIES



TRANSMITTER ENTITY
PARAMETERS

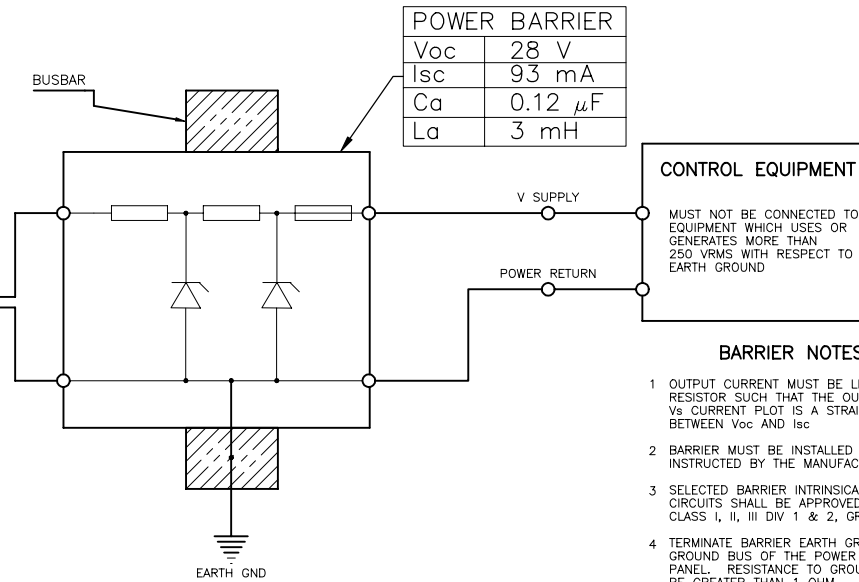
TERMINALS	VMAX	IMAX	CI	LI
POS - NEG	28 V	93 mA	0.11 μ F	0.22 mH

$V_{max} \geq V_{oc}$
 $I_{max} \geq I_{sc}$
 $C_i + C_{cable} \leq C_a$
 $L_i + L_{cable} \leq L_a$

USE THE FOLLOWING PARAMETERS IF CABLE PARAMETERS ARE UNKNOWN.
CABLE CAPACITANCE: 60 pF/ft
(EX. $C_{cable} = 1000ft \times 60pF/ft = 0.06\mu F$)
CABLE INDUCTANCE: 0.2 μ H/ft
(EX. $L_{cable} = 1000ft \times 0.2\mu H/ft = 0.2mH$)

ALL INTRINSICALLY SAFE WIRING SHALL BE KEPT SEPARATE FROM NON-INTRINSICALLY SAFE WIRING. REFER TO ARTICLE 504 OF THE NATIONAL ELECTRICAL CODE OR THE CANADIAN ELECTRICAL CODE.

SAFE AREA



CONTROL EQUIPMENT

MUST NOT BE CONNECTED TO EQUIPMENT WHICH USES OR GENERATES MORE THAN 250 VRMS WITH RESPECT TO EARTH GROUND

BARRIER NOTES

- 1 OUTPUT CURRENT MUST BE LIMITED BY A RESISTOR SUCH THAT THE OUTPUT VOLTAGE Vs CURRENT PLOT IS A STRAIGHT LINE BETWEEN Voc AND Isc
- 2 BARRIER MUST BE INSTALLED AS INSTRUCTED BY THE MANUFACTURER
- 3 SELECTED BARRIER INTRINSICALLY SAFE CIRCUITS SHALL BE APPROVED FOR CLASS I, II, III DIV 1 & 2, GROUPS A-G
- 4 TERMINATE BARRIER EARTH GROUND TO THE GROUND BUS OF THE POWER DISTRIBUTION PANEL. RESISTANCE TO GROUND MUST NOT BE GREATER THAN 1 OHM

REV.	CHANGES MADE	
DRAWN BY:	JAD	E.R.NO. 01-0288
DATE:	4/10/01	CHKD. BY: JAD APPD. BY: RC
MODEL:	PXT INSTALLATION DIAGRAM	
DRAWING NO.	05-08-0754	SIZE REV. B