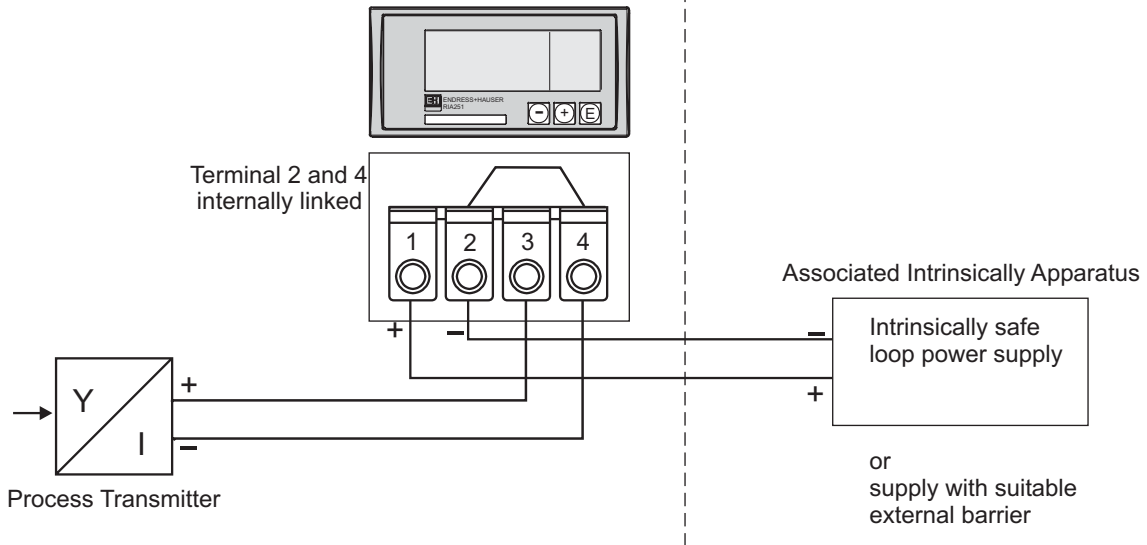


Hazardous (Classified) Locations
Class I, Div. 1, Groups A, B, C, D



Nonhazardous Locations



Installation Notes RIA 251



Hazardous Locations Installations
Intrinsically safe, Class I, Division 1, Groups ABCD T6
Division 1 Installation

1. CSA Approved apparatus must be installed with manufacturers instructions.
2. Installation should be in accordance with Canadian Electrical Code (CEC) Part 1.
3. Control room equipment may not use or generate over 250V.
4. The Type RIA 251 Process Display is a panel-mount instrument for installation in a suitable enclosure acceptable to the local inspection authority
5. The Process Display must be connected to a suitable ground.
6. For entity installations: Use CSA certified intrinsic safety barrier or other associated equipment that satisfy the following conditions:
 $V_{oc} < V_{max,Ui}$
 $I_{sc} < I_{max,li}$
 $C_a > C_i$ (RIA 251) + C_i (Process transmitter) + C cable,
 $L_a > L_i$ (RIA 251) + L_i (Process transmitter) + L cable
7. Warning: Substitution of Components may impair intrinsic safety
8. Use supply wires suitable for 5°C above surroundings

Process Display entity parameters are as follows:

RIA 251	IS, Class I, Div. 1, Groups ABCD T6
Supply set	$U_i < 30$ VDC $I_i < 150$ mA $C_i = 3.3$ nF $L_i = 0$
Temperature range	T6 $T_a = -10^\circ\text{C} \dots +60^\circ\text{C}$

Edge of working parts ISO 13715 		Geometrical Tolerancing ISO 2768-mH-E		Series	Scale	Volume: [mm ³]
					Material ZD 001R/09/en/05.00	Ident.-No. 510 02394
				Date	Name	Title CONTROL DRAWING CSA RIA 251
				Drawn 1999-08-04	Kellermann	
				Check 1999-08-04	Kellermann	
				Norm		
				Sheet size A4		Repl. for:
				ENDRESS+HAUSER WETZER		
A	K01201	2001-02-12	TK	Drawing No.		Sheet 1
Index	Revision	Date	Name	01 94 00 112		Of 1
Part:						