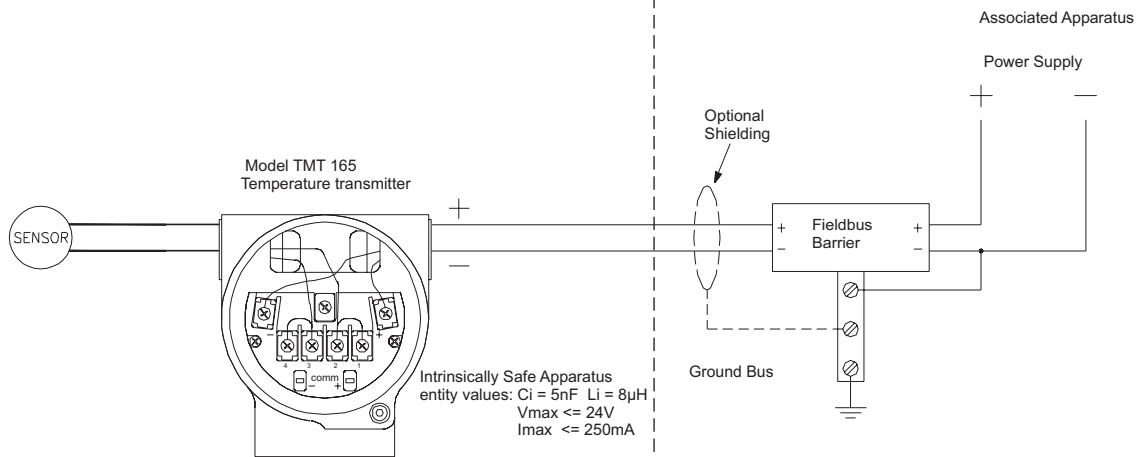


Hazardous (Classified) Location
 Class I, Div. 1, Groups A, B, C, D
 Class II, Div. 1, Groups E, F, G
 Class III



Nonhazardous Locations
 or Division 2 Area



Warning: Explosion Hazard

- substitution of components may impair suitability for use in hazardous locations
- Do not disconnect equipment unless power has been switched off the area is known to be non-hazardous

Safe area apparatus

unspecified, except that it must not be supplied from, nor contain under normal or abnormal conditions, a source of potential in relation earth in excess of 250 VAC or 250 VDC

Installation notes TMT 165



- 1) Installation must be in accordance with the CEC Part 1.
- 2) Associated apparatus ground bus to be insulated from panels and mounting enclosures.
- 3) Associated apparatus ground bus resistance to earth must be smaller than 1(one) Ohm.
- 4) Observe transmitter power supply load curve.
- 5) Wires: twisted pair, 22AWG or larger
- 6) Shield is optional if used, be sure to insulate the end not grounded
- 7) Barriers must be "CSA" certified and must be installed in accordance with manufacturers' instructions
- 8) Suitable for use in
 - Class I, Div. 2, Groups A, B, C, D
 - Class II, Div. 2, Groups E, F, G
 - Class III, without safety barriers

CSA certified associated apparatus must meet the following requirements:

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

TMT 165	INTRINSICALLY SAFE Class I / Division 1 / Groups ABCD Class II / Division 1 / Groups EFG Class III
Supply circuit (Terminal + and -)	V _{max} < 24 VDC I _{max} < 250 mA C _i ~ 5nF L _i ~ 8µH
Sensor circuit (Terminal 1, 2, 3, 4) Max. Connecting Values (Concentrative L, C e.g. cable) Group A, B	V _{oc} = 8.25 VDC I _{sc} = 85.3 mA L _a = 4.8 mH C _a = 5.5 µF

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Edge of working parts ISO 13715 		Geometrical Tolerancing ISO 2768-mH-E		Series	Scale	Volume: [mm ³]
					Material ZD 004R/09/en/10.00	Ident.-No. 510 03511
		Date	Name	Title CONTROL DRAWING CSA ITEMP TMT 165		
		Drawn 2000-09-15	Kellermann			
		Check. 2000-09-15	Kellermann			
		Norm				
		Sheet size A4		Drawing No. 14 09 00 112		
		Repl. for:				
Index		Revision		Date		Name
Part:		ENDRESS+HAUSER WETZER		Sheet 1		Of 1