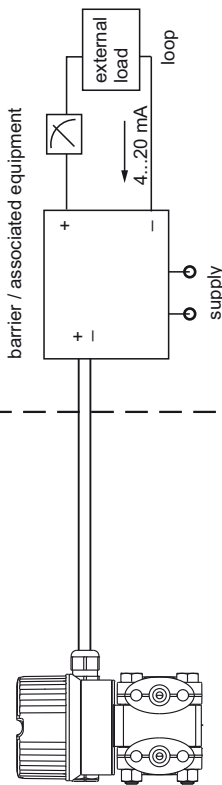




Hazardous location | **Non hazardous location**

Class I, Div. 1, Groups A, B, C, D
 Zone 0
 Class II, Div. 1, Groups E, F, G
 Class III



Entity parameter:

U_i / V_{max} = 30 VDC
 I_i / I_{max} = 300 mA
 P_i / P_{max} = 1 W
 C_i ≤ 10 nF
 L_i = 0

Intrinsically safe Ex ia for Cl. I, Div. 1, Groups A, B, C, D, Cl. II, Div. 1, Groups E, F, G, Cl. III, Ex ia IIC 16
Hazardous Locations Installations

Division 1 Installation:

- Control room equipment may not use or generate over 250 V.
- Install per the Canadian Electrical Code or National Electrical Code (ANSI/NFPA70) and ISA RP 12.06.01.
- For entity installations: Use CSA certified intrinsic safety barrier or other associated equipment that satisfy the following conditions: $V_{oc} \leq V_{max}$, $I_{sc} \leq I_{max}$, $C_a \geq C_i + C_{cable}$, $L_a \geq L_i + L_{cable}$.

Transmitter entity parameters are as follows:
 U_i / V_{max} = 30 VDC
 I_i / I_{max} = 300 mA
 P_i / P_{max} = 1 W
 C_i ≤ 10 nF
 L_i = 0
 for T-code see table

4. For System Installation:

Use: CSA certified safety barriers as follows:

- 28 V / 300 Ω + ground or
- 28 V / 300 Ω + 28 V / diode or
- 28 V / 300 Ω + 10 V / 50 Ω

5. Warning: Substitution of components may impair intrinsic safety.

- Avertissement :** La substitution de composants peut compromettre la sécurité intrinsèque.
- Intrinsic safety barrier manufacturer's installation drawing must be followed, when installing this equipment: The configuration of the intrinsic safety barrier(s) must be CSA approved.
- Use supply wires suitable for 5 °C above surrounding.
- Utiliser des fils d'alimentation qui conviennent à une température de 5 °C au-dessus de la température ambiante.

8. Warning: Avoid electrostatic charging of plastic surfaces, plastic process connections or coatings.

Suitable for Cl. I, Div. 2, Groups A, B, C, D, Cl. II, Div. 1, Groups E, F, G, Cl. III (only for NPT conduit entries)
Hazardous Location Installation

Table: Permissible ambient temperature and temperature code:

Temperature code	Permissible ambient temperature electronic compartment
T6	-40 °C...40 °C
T4	-40 °C...70 °C

option for Ta,min: -50 °C

1. Install per Canadian Electrical Code or National Electrical Code (ANSI/NFPA70) and ISA RP 12.06.01.

Intrinsic safety barrier not required
 Max. supply voltage 45 VDC
 Max. ambient temperature: 70 °C.

2. Warning: Explosion Hazard - Do not disconnect equipment unless power has been switched off or the area is known to be non hazardous.

- Avertissement :** Risque d'explosion - Avant de déconnecter l'équipement, couper le courant ou s'assurer que l'emplacement est désigné non dangereux.
Warning: Open circuit before removing cover.
Avertissement : Ouvrir le circuit avant d'enlever le couvercle.
Warning: Substitution of Components may impair suitability for Cl. I, Div. 2.
Avertissement : La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Cl. I, Div. 2.

The devices are CSA Certified as Dual Seal per ANSI/ISA 12.27.01 as tabulated below; therefore installation of external secondary seals is not required.

Dual Seal	Model	Media	Annunciation in case of primary seal failure	
			Annunciation method	Pressure range for effective annunciation min
PMD55		gas	audible	MWP* 3.5 bar (50.7 psi)
		liquid	audible/visible	3.2 bar (46.4 psi)

* Limitations of the Maximum Working Pressure (MWP) are marked on the nameplate and must be considered!