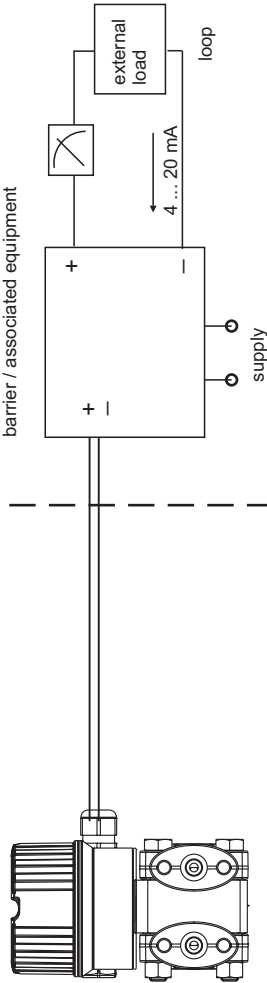


### Hazardous location

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

### Non hazardous location



Entity parameter:

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

Table: Permissible ambient temperature and temperature code:

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

option for Ta min: -50°C

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, T6

Hazardous Locations Installations

Division 1 Installation:

- Control room equipment may not use or generate over 250 V.
- Install per Canadian Electrical Code or National Electrical Code (ANSI/NFPA70) and ISARP 12.06.01.
- For entity installations: Use CSA certified intrinsic safety barrier or other associated equipment that satisfy the following conditions:

Transmitter entity parameters are as follows:  $U_i / V_{max} = 30 \text{ VDC}$   
 $V_{oc} \leq V_{max}$ ,  $I_{sc} \leq I_{max}$ ,  $C_a \geq C_i + C_{cable}$ ,  $L_a \geq L_i + L_{cable}$   
 $I_i / I_{max} = 300 \text{ mA}$   
 $P_i / P_{max} = 1 \text{ W}$   
 $C_i \leq 10 \text{ nF}$   
 $L_i = 0$   
 for T-code see table

4. For System Installation:

Use: CSA certified safety barriers as follows: (a) 28 V / 300 Ω + ground or  
 (b) 28 V / 300 Ω + 28 V / diode or  
 (c) 28 V / 300 Ω + 10 V / 50 Ω

- 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.

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

- Install per Canadian Electrical Code or National Electrical Code (ANSI/NFPA70) and ISARP 12.06.01.  
 Intrinsic safety barrier not required  
 max. supply voltage 45 VDC  
 max. ambient temperature: 70°C.
- 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.

