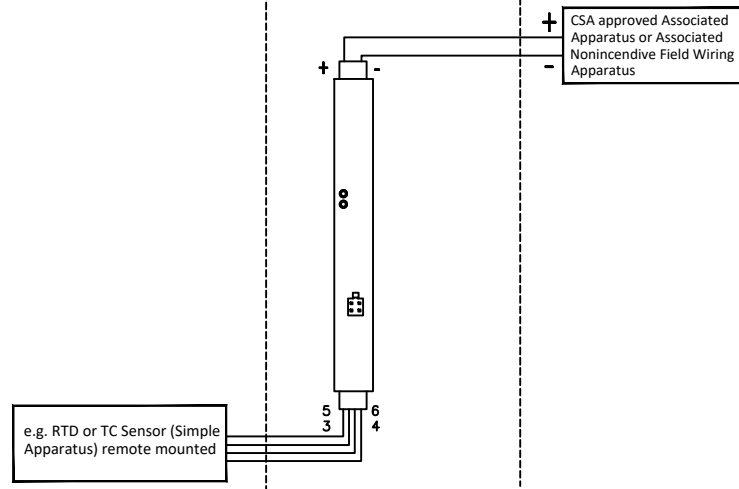


Hazardous (Classified) Location
Class I / Division 1, 2 / Groups ABCD
Class I, Zone 0 (EPL Ga), IIC

Hazardous (Classified) Location
Class I / Division 2 / Groups ABCD
Class I, Zone 1 (EPL Gb), IIC

Nonhazardous Locations



Temperature range:

T4 -50°C ... +85°C
T5 -50°C ... +58°C
T6 -50°C ... +43°C

Sensor circuits (Terminals 3...6):

Uo or Voc or Vt = 4.3 V
Group A, B resp. IIC
Group C, D resp. IIB
Group C, D resp. IIA

Io or Isc = 4.8 mA
Co or Ca = 100 µF
Co or Ca = 10 µF
Co or Ca = 10 µF

Po = 5.2 mW
Lo or La = 10 mH
Lo or La = 1H
Lo or La = 1H

Applicable requirements see CSA certificate 80139060

INTRINSICALLY SAFE - SÉCURITÉ INTRINSÈQUE

Ex ib [ia Ga] IIC T6...T4 Gb

Class I, Zone 1, AEx ib [ia Ga] IIC T6...T4 Gb

Class I, Division 2, Groups A, B, C, D; T6...T4 (Non Incendive Field Wiring (NIFW))

Class I, Division 2, Groups A, B, C, D; T6...T4 – NIFW and Associated Apparatus for Class I, Division 1, Groups A, B, C, D



- CSA Approved Associated Apparatus must meet the following parameters:
 $U_o \leq U_i$ $I_o \leq I_i P_o \leq P_i$ $C_a \geq C_i + C_{cable}$ $L_a \geq L_i + L_{cable}$
 Transmitter entity parameters are as follows:
 U_i or $V_{max} \leq 30$ V DC $C_i = 0$
 I_i or $I_{max} \leq 100$ mA $L_i = 0$
 $P_i \leq 700$ mW

- $V_{oc} + V_{oc}$ of Handheld device < V_{max} , $I_{sc} + I_{sc}$ of Handheld device < I_{max} ,
 $P_o + P_o$ of Handheld device < P_i , $C_a > C_i + C_{cable} + C_i$ of Handheld device,
 $L_a > L_i + L_{cable} + L_i$ of Handheld device, when Programming Handheld device is used.



- **WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.**
AVERTISSEMENT: RISQUE POTENTIEL DE DÉCHARGES ÉLECTROSTATIQUES – VOIR CONSIGNES.
- **WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.**
AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE
- **WARNING: EXPLOSION HAZARD - DO NOT CONNECT OR DISCONNECT WHILE CIRCUITS ARE LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS.**
AVERTISSEMENT: RISQUE EXPLOSIF- NE JAMAIS BRANCHEZ OU DECONNECTEZ QUAND LES CIRCUITS INTERNES SONT SOUS TENSION Á MOINS QUE LA ZONE SOIT PAS Á RISQUES.

CONDITIONS OF ACCEPTABILITY

- Due to the risk of discharge the non-metallic parts of the equipment and of all non-metallic accessories have to be protected from electrostatic charging during installation and operation (e.g. only wipe with damp cloth and do not expose to high voltage fields).
- These models are provided without enclosure. They shall be installed within a suitable end-use enclosure, providing a degree of protection of not less than IP20 according to CSA/UL 60079-0 and CSA/UL 60079-11. The ambient temperature within the end-use enclosure shall not exceed the limits of the permissible ambient temperature range. Clearances, creepage distances and separations as defined in CSA/UL 60079-11 must be considered for the installation. The final combination shall be subjected to acceptance of the local authority having jurisdiction.
- The equipment is for use under atmospheric conditions only, the permissible pressure range is 0.1 to 1.1 bar (80 to 110 kPa) and the permissible normal oxygen content is typically 21 % v/v.
- In hazardous area it is not permitted to use the CDI interface for configuration.
- Only simple apparatus shall be connected to the sensor terminals. Simple apparatus is defined as a device that neither generates or stores more than 1.2V, 0.1A, 0.25 mW, or 20 µJ. Examples are thermocouples and RTDs.
- The end user shall ensure appropriate earthing of the metallic field housing (optional) and all metallic accessories if used upon installation.

Installation Notes T71, T72 DIN Rail

- CSA approved apparatus must be installed in accordance with manufacturer's instructions.
- Install per Canadian Electrical Code or National Electrical Code (NFPA 70).
- Use supply wires suitable for 5°C above surroundings.
- Stating that only simple apparatus should be terminated to the sensor connection. Simple apparatus is defined as a device that will neither generate nor store more than 1.2V, 0.1A, 0.25mW or 20µJ. Examples are Thermocouples or RTDs.

Equipment Rating (this does not supersede hazardous locations rating)

1. Pollution degree 2
2. Installation category: DC supplied
3. Electrical supply 10 - 36V dc
4. IP20
5. Temperature -40°C up to +85°C

| | | | | |
|---|---------------------|-------------------------------------|--------------------------------------|------------------|
| TITLE: INSTALLATION INSTRUCTIONS CSA, INTRINSICALLY SAFE, T71, T72 DIN RAIL | PART NUMBER: | REVISION DATE: 06/16/2022 | FORT WAYNE, INDIANA 260-484-2580 | |
| This document is PROPRIETARY to Pyromation, Inc. | SIZE: A | DRAWING NO: H086601 | | REV: — |