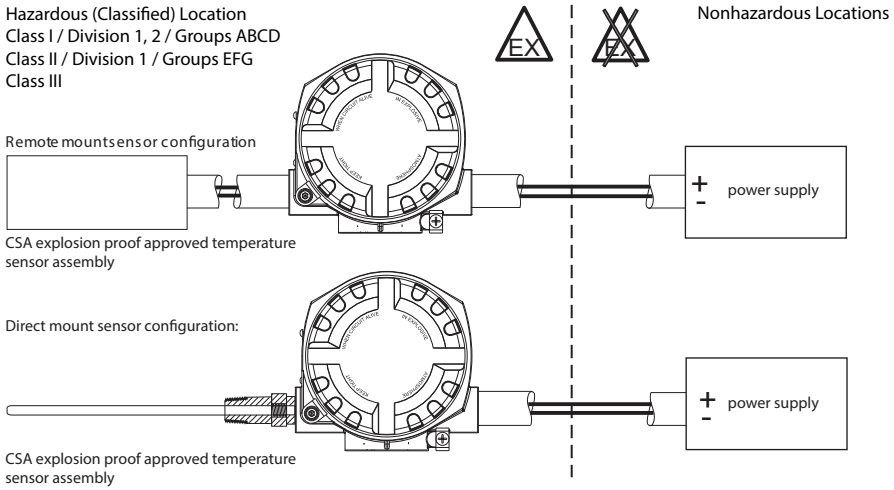

Temperature range

T4 -40 °C ... +85 °C
T5 -40 °C ... +70 °C
T6 -40 °C ... +55 °C

NONINCENDIVE, FIELD WIRING **Class I / Div. 2 / Groups ABCD**

Sensor circuits (Terminals 1…6)

Uo or Voc or Vt = 7.6 V	Io or Isc = 29.3 mA	Po = 55.6 mW
Group A, B resp. IIC	Co or Ca = 10.4 µF	Lo or La = 40 mH
Group C resp. IIB	Co or Ca = 160 µF	Lo or La = 150 mH
Group D resp. IIA	Co or Ca = 1000 µF	Lo or La = 300 mH

Installation Notes Series 662

- CSA approved apparatus must be installed in accordance with manufacturer's instructions.
- Use supply wires suitable for 5 °C above surroundings.
- Only simple apparatus should be terminated to the sensor connection.
- Simple apparatus are components as defined by the CEC (1.2 V, 0.1 A, 0.25 mW or 20 µJ).
- Warning: Substitution of components may impair intrinsic safety or suitability for Class I, Division 2.

EXPLOSION PROOF **Class I / Div. 1 / Groups ABCD**
DUST IGNITION PROOF **Class II, III / Div. 1 / Groups EFG**

- Installation should be in accordance with the Canadian Electrical Code (CEC).
- For Group A, seal all conduits within 18 inches of enclosure; otherwise, conduit seal not required for compliance with NEC 501.5(A)(1)(1).
- All conduits must be assembled with a minimum of five full threads engagement.
- Temperature sensor assembly must be CSA approved for appropriate area classification.
- Class II use a dust tight seal.
- Keep tight when circuits alive.
- U ≤ 40 V dc P ≤ 3 W

NONINCENDIVE **Class I / Div. 2 / Groups ABCD**

- Intrinsic safety barrier not required.
- Warning: Do not disconnect equipment unless power has been switched off or the area is known to be nonhazardous.
- Nonincendive field wiring installation:
  The Nonincendive Field Wiring Circuit Concept allows interconnection of Nonincendive Field Wiring Apparatus with Associated Nonincendive Field Wiring Apparatus or Associated Intrinsically Safe Apparatus or Associated Apparatus not specifically examined in combination as a system using any of the wiring methods permitted for unclassified locations,
  when Voc ≤ Vmax, Ca ≥ Ci + Ccable, La ≥ Li + Lcable.
  Transmitter Nonincendive Field Wiring parameters are as follows:
  Ui or Vmax ≤ 40 V dc Ci = 5.3 nF Li = 0
  Ii or Imax = see following note below
  For these current controlled circuits, the parameter Imax is not required and need not to be aligned with parameter Isc and It of the Associated Nonincendive Field Wiring Apparatus or Associated Apparatus.

Functional ratings
These ratings do not supersede Hazardous Location values
Unom ≤ 40 dc Inom ≤ (4 to 20) mA

TITLE: **662 CSA Control Drawing XP, DIP, NI**		PART NUMBER:	DATE: **12/10/2013**		pyromation inc. beyond measure
This document is PROPRIETARY to Pyromation, Inc.	SIZE: A	DRAWING NO: M009301	REV: -	SCALE: **N/A**	FORT WAYNE, INDIANA (260) 484-2580