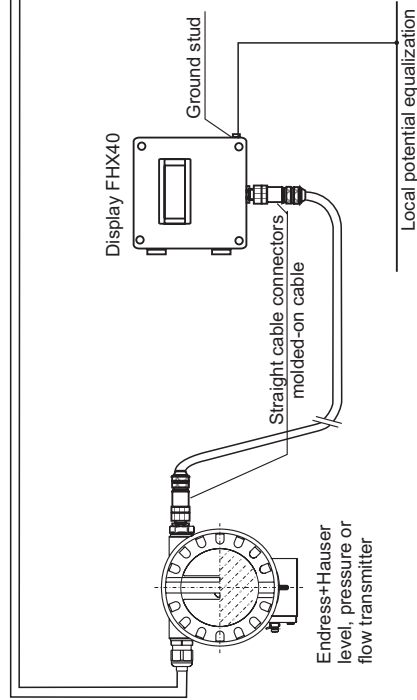


HAZARDOUS LOCATION

Class I, Zone 0 or Zone 1, Group IIC; T*
 Class I, Div. 1, Groups A, B, C, D; T*
 Class I, Zone 2, Group IIC; T*
 Class I, Div. 2, Groups A, B, C, D; T*

T* (see table)
 Type 4X, IP65

Display FHX40 connected to Endress+Hauser level, pressure or flow transmitter with an intrinsically safe display output circuit



CSA certified associated intrinsically safe apparatus

NON HAZARDOUS LOCATION

Display FHX40 for connection to CSA certified Endress+Hauser instruments with an intrinsically safe (IS) display output circuit

Notes: INTRINSICALLY SAFE CLASS I, DIV. 1, GROUPS A, B, C, D or Ex ia IIC HAZARDOUS LOCATION INSTALLATION

1. Control room equipment may not use or generate over 250 Vrms.
2. Install per the Canadian Electrical Code.
3. Warning: Substitution of components may impair intrinsic safety.
 Avertissement : La substitution de composants peut compromettre la sécurité intrinsèque.
4. Ex ia IS defined as intrinsically safe / sécurité intrinsèque.
5. Display FHX40 entity parameters with 30 m cable are:
 $U_i / V_{max} = 5.6 V$
 $I_i / I_{max} = 47 mA$
 $P_i = 66 mW$ (Zone 0 or Zone 1 only)
 $C_i = 11 \mu F$
 $L_i = 30 \mu H$

Display with cable can be connected to CSA certified Endress+Hauser apparatus with linear intrinsically safe display output circuits [1/4 (Voc or Uo) (Isc or Io) < 66 mW] which meet the following requirements:

- Voc or Uo \leq Ui / Vmax
- Isc or Io \leq Ii / Imax
- Po \leq Pi (Zone 0 or Zone 1 only)
- Ca \geq Ci
- La \geq Li

6. Permissible cable length between sensor and display FHX40 is 40 m.
7. Applicable control drawings for the CSA certified Endress+Hauser transmitter and the associated intrinsically safe apparatus must also be followed when installing this equipment.

CLASS I, DIV. 2, GROUPS A, B, C, D or Ex nC IIC HAZARDOUS LOCATION INSTALLATION

1. Warning: Explosion hazard - Substitution of components may impair suitability for use in Class I, Division 2 or Zone 2.
 Avertissement : Risque d'explosion - La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, Division 2 ou Zone 2.
2. Display FHX40 with 30 m cable is non-incendive with non-incendive field circuits when connected to CSA certified Endress+Hauser apparatus which has been certified with the VU331 display or with a non-incendive output to the FHX40 display.
3. Applicable control drawing for Division 2 or Zone 2 installation of the CSA certified Endress+Hauser transmitter must also be followed when installing this equipment.

Area of application:

The display FHX40 is suitable for areas subject to explosion caused by gases.
 Permissible ambient temperature: -40 °C to +75 °C.

Temperature class

T _{ambient}	Temperature class for FHX40
+60 °C	T6
+75 °C	T5

