

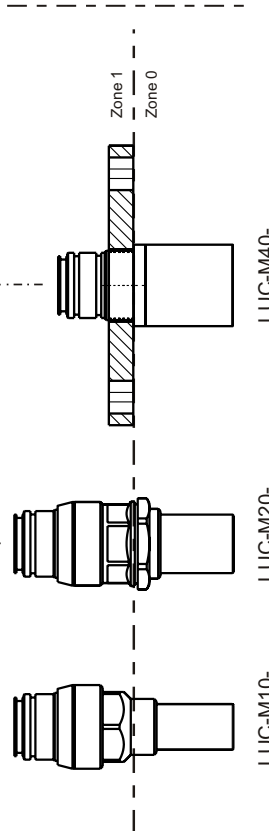
NON HAZARDOUS LOCATION

HAZARDOUS LOCATION

Class I, Div. 1, GROUPS A, B, C, D
Ex d [ia] IIC T6
Housing: Class I, zone 1
Sensor: Class I, zone 0
Class II, Div. 1, GROUPS E, F, G
Class III, Div. 1



Option 1:
Prepared to connect
CSA approved remote
display type LUC-Z40-Ex1*
refer to adequate
Control Drawing



Area of application:
The compact instruments are suitable for use in areas subject to explosion caused by gases, vapours or mists.
Permissible ambient temperature:
Electronic: T12 enclosure -40 ... +60 °C

Type	Type of sensor	Operation temperature [°C]
LUC-M10-	1½"-sensor	-40 to +80
LUC-M20-	2"-sensor	-40 to +80
LUC-M40-	3"-sensor	-40 to +80

Notes:
EXPLOSION PROOF CLASS I, DIV. 1, GROUPS A, B, C, D or Ex d [ia] IIC CLASS II, DIV. 1, GROUPS E, F, G CLASS III HAZARDOUS LOCATION INSTALLATION

1. Install per Canadian Electrical Code (CEC).
2. Supply wires shall be installed in conduit in accordance with the CEC.
3. Control room equipment may not use or generate over 250 Vrms.
4. Terminal compartment.
5. Warning: Keep cover tight when circuit is alive unless the area is known to be non-hazardous.
6. For electronic: maximum ambient temperature = 60 °C
7. Use supply wires suitable for 5K above surrounding ambient.
8. Ground stud shall be connected to a grounding electrode by 12 AWG wire or larger insulated conductors. Resistance between ground stud and grounding electrode shall be less than 1 Ω.
9. Use a dust tight seal at the conduit entry in Class II and III location.

CLASS I, DIV. 2, GROUPS A, B, C, D or Ex nc IIC AND DIP FOR CLASS II AND III, DIV. 1, GROUPS E, F, G HAZARDOUS LOCATION INSTALLATION

1. Depending on Location install per Canadian Electrical Code (CEC) using wiring methods described in Rule 18-156 or Rule 18-202 or Rule 18-302. Intrinsic safety barrier not required. Max. supply voltage 30 V or 32 V (see nameplate). For T-code see table.
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: Explosion Hazard - substitution of components may impair suitability for Class I, Div. 2.
Avertissement: Risque d'explosion - La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de Classe I, Div. 2.

For CLASS II and III, Div. 1:

WARNING: Keep cover tight unless power has been switched off or the area is known to be non-hazardous.

Temperature class with / without Display VU 331	Permissible maximum medium temperature at the sensors	Permissible maximum ambient (T _a) of electronic compartment (enclosure T12)	
		LUC-M10- +60 °C	LUC-M20- +60 °C
T6	+60 °C	+60 °C	LUC-M40- +60 °C
T5	+80 °C	+60 °C	+60 °C
T4	+80 °C	+60 °C	+60 °C