

WARNING: Special Conditions of Use. See Installation Drawing 825A030

E2F PRESSURE TRANSDUCER

Ashcroft Drawing 825A030

General Notes

- Control equipment connected to Associated Apparatus must not use or generate more than 250 Vrms or Vdc.
- Associated apparatus manufacturer's installation drawing must be followed when installing this equipment.
- Run shielded interconnection cable with shield connected to FM approved associated apparatus ground.

- Must use class 2/SELV power supply.

Warnings

- Do not disconnect equipment unless area is known to be non-hazardous.
- Substitution of components may impair suitability for hazardous (classified) locations.
- No revision to drawing without prior approval from FM.

Special Conditions of Use

- Flamepaths are not for repair.
- The model E2F series equipment has flying lead conductors that exit the enclosure. A suitably certified terminal box suitable for use is required to be connected to equipment enclosure for completing to external supply circuit.
- Installer must connect the device to appropriate earthing connection. This can be done via use of metallic conduit/junction box, and/or earthing clamp/strap.
- The designated installation for CL I ZN 1 or CL I Div 1 is selected on the Ex Marking label using a permanent marking method prior to installation by applying a mark into the reserve checkbox for the protection.
- Requires connection to mains by an appropriately certified and rated Limited Power Supply of Safety Extra Low Voltage (SELV) Power Supply.

E2F EXPLOSION/FLAME/DUST IGNITION PROOF INSTALLATION

Class I, Division 1, Group A, B, C, D T4 -40 °C ≤ Ta ≤ 80 °C
Class II, Division 1, Group E, F, G T4 -40 °C ≤ Ta ≤ 80 °C
Class III T4 -40°C ≤ Ta ≤ 80°C

Class I, Zone 1, AEx db IIC T4 Gb -40°C ≤ Ta ≤ 80 °C
Zone 21, AEx tb IIIC T135°C Db -40°C ≤ Ta ≤ 80 °C

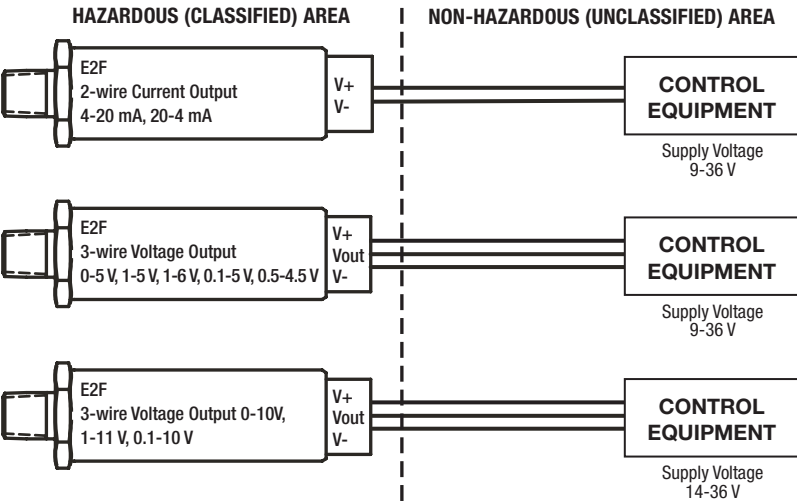
II 2 G Ex db IIC T4 Gb -40 °C ≤ Ta ≤ 80°C

II 2 D Ex tb IIIC T135°C Db -40°C ≤ Ta ≤ 80 °C

- Installation should be in accordance with the National Code (ANSI / NFPA 70)

- Dust-tight conduit seal must be used when installed in Class II and Class III environments

- Use conduit and connectors suitable for the application. Seal all conduit using approved NEC procedures and local codes.



HAZARDOUS AREA CERTIFICATIONS



CL I Div 1 A,B,C,D T4
CL II Div 1 E,F,G T4
CL III T4



CL I, Zone 1 AEx db IIC T4 -40 °C ≤ Ta ≤ 80 °C
Zone 21, AEx tb IIIC T135 °C Db -40 °C ≤ Ta ≤ 80 °C



II 2 G Ex db IIC T4 Gb -40 °C ≤ Ta ≤ 80 °C
II 2 D Ex tb IIIC T135 °C Db -40 °C ≤ Ta ≤ 80 °C



IECEx
FMG 20.0016X

23CA80101891X

Ex db IIC T4 Gb -40 °C ≤ Ta ≤ 80 °C
Ex tb IIIC T135 °C Db -40 °C ≤ Ta ≤ 80 °C

Factory Sealed M20X1.5 THD or ½ Male NPT
IP67