Supply Voltage:

- **Type 1:** 24 V DC
- **Type 2:** 12 V DC
- **Type 3:** 9 V DC

**Output Connections:**

- Pin 16: 0 V DC
- Pin 15: V+ (or 4-20 mA output)
- Pin 14: Supply
- Pin 13: Ground
- Pin 12: REF

**Timing:**

- Voltages are determined by the output of the transducer
- The offset output has reached the minimum

**Specifications:**

- ±5% of full scale
- ±0.25% of span / Year

**Emissions:**

- **Conducted RF:** 0.5 V/m at 150 MHz, 1.4 V/m at 470 MHz, 4.6 V/m at 2.7 GHz
- **Emission Class:** FCC (47 CFR 15) Class A, Group 1 & EN 55011 (CISPR 11)

**Pressure Transmitter Installation Manual**

**Before Installation:**

- A failure resulting in injury or damage may occur due to improper electrical connections or the installation of the transmitter.
- To avoid injury or damage, follow the precautions below before handling the pressure sensing equipment.

**Electrical Connections:**

- The unit must be calibrated by the installation before being powered on, and measurements of the pressure signals taken for temperature, pressure, and leakage tests.

**Environments:**

- The transmitter should not be used in environments where it may be exposed to rain, snow, humidity, or dust.

**Instalation and Assembly:**

- All supplies should be arranged as per the instructions provided in the manual.

**Operation and Maintenance:**

- The transmitter must be calibrated by the installation before being powered on, and measurements of the pressure signals taken for temperature, pressure, and leakage tests.

**Regulations:**

- The transmitter must be calibrated by the installation before being powered on, and measurements of the pressure signals taken for temperature, pressure, and leakage tests.

**Testing:**

- The transmitter must be calibrated by the installation before being powered on, and measurements of the pressure signals taken for temperature, pressure, and leakage tests.

**Transport:**

- The transmitter must be calibrated by the installation before being powered on, and measurements of the pressure signals taken for temperature, pressure, and leakage tests.

**Supplied with:**

- A pressure transmitter with a pressure range of less than 10 psi. The transducer should not be used in environments where it may be exposed to rain, snow, humidity, or dust.

**Shipping:**

- The transmitter must be calibrated by the installation before being powered on, and measurements of the pressure signals taken for temperature, pressure, and leakage tests.

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E2X PRESSURE TRANSDUCER

General Notes
- Control equipment connected to Associated Apparatus must not be used or may generate more than 250 Vrms or Vdc.
- Associated apparatus manufacturer’s installation drawing must be used.
- Installation should be in accordance with FM standards.
- Installation should be in accordance with the National Electrical Code (NEC) and the American National Standards Institute (ANSI) (classified) locations.
- No revision to drawing without prior approval from FM.

Special Conditions of Use
- The equipment is for use in hazardous (classified) locations.
- Each installation should be examined by an independent, suitably qualified person.
- Special Conditions of Use. See Installation Drawing 825A030.
- E2X PRESSURE TRANSDUCER

Non-Hazardous (UNCLASSIFIED) AREA
- Non-Hazardous Equipment:
  - Grounding of field wiring
  - Grounding of associated apparatus
  - Grounding of control equipment

Hazardous (CLASSIFIED) AREA
- Hazardous Equipment:
  - Installation should be in accordance with ANSI/ISA RP12.6.
  - Dust-tight conduit seal must be used when installed in classified locations.
  - special Section 504 and 505 or in accordance with "Installation of Intrinsically Safe systems for Hazardous (classified) locations.

E2X PRESSURE TRANSDUCER

Installation should be in accordance with ANSI/ISA RP12.6.
- Dust-tight conduit seal must be used when installed in classified locations.
- Installation should be in accordance with "Installation of Intrinsically Safe systems for Hazardous (classified) locations.

Non-Incendive Parameters:
- Non-Incendive Parameters:
  - Vout = 0-10 V, 1-11 V, 0.1-10 V
  - 3-wire Voltage Output
  - E2X

Class I, Zone 0, AEx ia IIC T4 Ga -40°C ≤ Ta ≤ 80°C
- Class III, T4 -40°C ≤ Ta ≤ 80°C
- Class II, Division 1, Group E,F,G T4 -40°C ≤ Ta ≤ 80°C
- Class II, Division 1, Group A, B, C, D T4 -40°C ≤ Ta ≤ 80°C
- Special Conditions of Use
- No revision to drawing without prior approval from FM.

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