**PRODUCT DESCRIPTION**

The PET Series mag-preamps are designed to convert low level sinusoidal signals into stable square wave pulses. The signal conditioners are built to fit a compact “ELBY” type explosion-proof enclosure. This PET is designed for use with the Lo-Co Series and TriFlo Series flowmeters.

**SPECIFICATIONS**

Supply Voltage: 7.5 – 30 VDC regulated.
12 – 30 VDC regulated. (PET-5)

Supply Current @ 30 VDC max:
- ≤ 3 mA (0-5 V).
- ≤ 12mA (0-10 V).
- ≤ 20mA (OC).
- ≤ 5mA (Current Loop).

Output Signal:
- Std.: 0-10 V.
- TTL: 0-5 V.
- OC: Open Collector, NPN.

Frequency Range: 5Hz to 10kHz at specified sensitivity.

**MODEL NUMBERS**

- **PET-4** TTL/CMOS (0-5 VDC)
- **PET-5** 0-10 VDC Square Pulse.
- **PET-6** Open Collector.

- Input Sensitivity: 30 mVpp.
- Distance Pickoff/Preamp: 500 ft. max.
- Temperature Range: -40° to +221°F (-40° to +105°C).
- CE-Compliance: EN55011, EN500222.

**DIMENSIONAL INFORMATION**

General Purpose

Explosion-Proof
**ORDERING INFORMATION**

**OUTPUT**

4. TTL/CMOS (0-5 VDC).
5. 0-10 VDC Square Pulse.
6. Open Collector.

**ENCLOSURE**

1. General Purpose.
2. ELBY Type Explosion Proof Enclosure.
   - CLASS I DIV 1 & 2, GROUPS C & D
   - CLASS II, DIV 1 & 2, GROUPS E, F & G
   - CLASS III
     - U/L & CSA LISTED
     - (Not for use in ATEX or IEC classed areas. Single 1/2" FNPT conduit connection.)

**OPTIONS**

(X) None.

(1) 1/2” MNPT x 1” FNPT adapter for use with ELBY Enclosure to Mount to Standard 1” Flowmeter Riser.

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**TYPICAL INSTALLATION WIRING**

**Model PET-4**  
TTL/CMOS (0-5 VDC)

**Model PET-5**  
0-10 VDC Square Pulse

**Model PET-6**  
Open Collector

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**NOTE:** FOR OPEN COLLECTOR OPTION, A USER SUPPLIED PULLUP RESISTOR IS REQUIRED; RECOMMENDED 27K NOMINAL.

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The specifications contained herein are subject to change without notice and any use of said specifications should verify with the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

The quality system covering the design, manufacture and testing of our products is certified to International Standard ISO 9001.