**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

Input Sensitivity: 30 mVpp
Distance Pickoff/Preamp: 500 ft. max
Temperature Range: -40° to +221°F (-40° to +105°C)
Terminal/Pin Connections:
1. Input VDC  4. Mag Pickup
2. Common     5. Mag Pickup
3. Pulse Out (+)

CE-Compliance: EN55011, EN500222

**MODEL NUMBERS**

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

**DIMENSIONAL INFORMATION**

General Purpose

Explosion-Proof
### ORDERING INFORMATION

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<thead>
<tr>
<th></th>
<th>PET-</th>
<th>(A)</th>
<th>(B)</th>
<th>(C)</th>
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<tbody>
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<td>OUTPUT</td>
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<td>TTL/CMOS (0-5 VDC)</td>
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<td>5</td>
<td>0-10 VDC Square Pulse</td>
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<td>6</td>
<td>Open Collector</td>
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<td>ENCLOSURE</td>
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<td>1</td>
<td>General Purpose</td>
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<td>2</td>
<td>ELBY Type Explosion Proof Enclosure</td>
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<td></td>
<td>CLASS I DIV 1 &amp; 2, GROUPS C &amp; D</td>
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<td>CLASS II, DIV 1 &amp; 2 GROUPS E, F &amp; G</td>
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<td>UL &amp; CSA LISTED</td>
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<td>(Not for use in ATEX or IEC classed areas. Single 1/2” FNPT conduit connection.)</td>
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<td>OPTIONS</td>
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<td>1/2” MNPT x 1” FNPT adapter for use with ELBY Enclosure to Mount to Standard 1” Flowmeter Riser</td>
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<td>(CE)</td>
<td>Mark required for Europe</td>
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### TYPICAL INSTALLATION WIRING

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

![Output Selector Switch Diagram](image1)

- **IN+** (7.5-30 VDC)
- **COM**
- **OUTPUT**

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

![Output Selector Switch Diagram](image2)

- **IN+** (12-30 VDC)
- **COM**
- **OUTPUT**

#### Model PET-6
**Open Collector**

![Output Selector Switch Diagram](image3)

- **IN+** (7.5-30 VDC)
- **COM**
- **OUTPUT**

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