E SERIES EXPLOSION PROOF TOTALIZER & FLOW RATE INDICATOR

APPLICATIONS

The E018 by FLOMEC® offers you an enclosure designed to be used in rough and tough applications, beyond being just explosion proof. Its sturdy design and ease of use are unequalled by any other explosion proof indicator in the market. The E018 is always your first and safest choice in explosion proof applications.
**SPECIFICATIONS**

**Display:**
- **Type:** High intensity transreflective numeric and alphanumeric LCD, UV resistant, with bright backlight. Intensity can be adjusted via keypad.
- **Digits:** Seven 0.47” (12 mm) and eleven 0.28” (7 mm) digits. Various symbols and measuring units.
- **Refresh rate:** User definable: 8 times/s to 30 s.
- **Speedometer:** To indicate the actual flow rate the bargraph runs from 0 to 100% in 20 blocks, each block is 5%.

**Operating Temperature (Operational):**
- -40°F to +158°F (-40°C to +70°C)

**Power Requirements:**
- Long life Lithium battery - lifetime depends upon settings and configuration - up to approximately 2 years

**Hazardous Area - Explosion Proof:**
- **ATEX Certification:** Ex e T6 Gb
- **IECEx Certification:** Ex d IIe T6 Gb
- **FM / CSA c-us Certification:** Explosion-proof for use in Class I, Division 1, Groups A, B, C, D
- **Ambient to:** -40°F to +158°F (-40°C to +70°C)

**Hazardous Area - Directives:**
- **EMC:** Compliant ref. EN61326-1 and FCC 47 CFR part 15
- **Low voltage:** Compliant ref. EN61010-1

**Signal Input (Flowmeter):**
- **Coil / sine wave** (COIL-HI: 20mVpp or COIL-LO: 80mVpp - sensitivity selectable), NPN / PNP, open collector, reed switch, Namur, active pulse signals 8 - 12 and 24V (dc)
- **Frequency:** Minimum 0Hz - maximum 7 kHz for total and flow rate. Maximum frequency depends on signal type and internal low-pass filter. E.g. reed switch with low-pass filter. Maximum frequency 120Hz.
- **K-Factor:** 0.000010 - 9,999,999 with variable decimal position
- **Low-pass filter:** Available for all pulse signals

**External Reset Total:**
- **Function:** Terminal input to reset total remotely
- **If this terminal input is closed, the "clear total" function is disabled
- **Type:** Internally pulled-up switch contact - NPN
- **Duration:** Minimum pulse duration 100ms

**Signal Output (Digital):**
- **Function:** Pulse output. Transmitting accumulated total
- **Frequency:** Maximum 500Hz. Pulse length user definable between 1 ms up to 10 seconds
- **Type OT:** One passive transistor output (NPN) - not isolated. 300mA - 50V @ 25°C

**Signal Output (Analog):**
- **Function:** Transmitting linearized flow rate
- **Accuracy:** 12 bit. Error < 0.1%. Analog output signal can be scaled to any desired range.
- **Type AH:** Galvanically isolated, loop powered 4-20mA output

**Accumulated Total - 11 digits:**
- **Units / Decimals:** According to selection for total
- **Note:** Can not be reset to zero

**Flow rate - 7 digits, 0 - 1 - 2 or 3 decimals:**
- **Units:** mL, L, m³, Gallons, kg, Ton, lb, bl, cf, RND, ft³, scf, Nm³, Nl, igal - no units
- **Time units:** /s - /min - /hr - /day

**DIMENSIONS**

**ACCESSORIES**

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<th>Part No.</th>
<th>Description</th>
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<tr>
<td>FW-ABB04</td>
<td>1 X 3/4 inch NPT plug</td>
</tr>
<tr>
<td>FW-ABB05</td>
<td>1 X 1 inch NPT plug</td>
</tr>
<tr>
<td>1522068</td>
<td>E-Series Wall Mount Kit</td>
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<tr>
<td>1522051</td>
<td>E-Series Pipe Mount Kit</td>
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**APPROVALS**

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**Service & Warranty:** For technical assistance, warranty replacement or repair contact your FLOMEC® or GPI® distributor: In North or South America: 888-996-3837 / FLOMEC.net
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