SERIES RTI2

RATE/TOTAL INDICATOR

Loop Powered, Converts Pulse Frequency to 4 to 20 mA, High/Low Flow Alarm

The Series RTI2 Rate/Total Indicator is an indicator/transmitter that takes the pulse output signal from compatible flowmeters, displays flow rate and total, and provides output signals. It is compatible with the Series EFS2, IEFS, PDWS, and FLMG.

FEATURES/BENEFITS

• Can be mounted on a wall or mounted on the flowmeter for added flexibility
• Accessory mounting kits make it easy to change the mounting orientation
• High environmental protection with semi-flexible urethane potted electrical components
• Provides a pulse, 4 to 20 mA and dual-relay output

APPLICATIONS

• Water treatment
• Water utilities
• Industrial chemical handling

SERIES BAT

BLIND ANALOG TRANSMITTERS

Converts Pulse Frequency to 4 to 20 mA, Loop Powered

The Series BAT Blind Analog Transmitters are 4 to 20 mA transmitters for use with the Series EFS2, IEFS, PDWS, PFT and FLMG.

FEATURES/BENEFITS

• Easy to set up and can be either wall or meter mounted
• Takes a pulse frequency output from the compatible flowmeters and converts it into a continuous 4 to 20 mA analog output signal
• The frequency for the flowmeter output signal can be adjusted using four rotary switches on the back of the transmitter and a microcontroller automatically scales all other values accordingly
• The microcontroller averages inputs for more stable reading outputs and is adjustable from 2 to 16 seconds
• Loop powered, 2 wire connection
• High environmental protection with semi-flexible urethane potted electrical components

APPLICATIONS

• Telemetry applications
• Data logging
• Chart recording

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT12-W</td>
<td>Wall-mounted</td>
<td>$727.00</td>
</tr>
<tr>
<td>RT12-M</td>
<td>Meter-mounted</td>
<td>$724.00</td>
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<tr>
<td>RT12-P</td>
<td>Panel-mounted</td>
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ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
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<tbody>
<tr>
<td>MMK2</td>
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<tr>
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<tbody>
<tr>
<td>MMK</td>
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<td>WMK</td>
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SPECIFICATIONS

Input: 5 V pulse or contact closure; 1 to 15 pulses/s.
Temperature Limits: Process: -32 to 131°F (0 to 55°C); Storage: -40 to 158°F (-40 to 75°C).
Output: Current sinking square wave pulse: Scaled pulse output (0.1 s duration 6.1 Hz max. or high alarm output or low alarm output), sensor pass-through pulse output (un-scaled); Pulse output range: 0.1 to 999999.9 units/pulse; Analog: 4 to 20 mA, 24 to 30 VDC.
Power Requirements: 7 to 30 VDC @ 4 mA (4 to 20 mA when loop-powered).
Display: Rate: 8 digits, 1/2" H LCD; Total: 8 digits, 5/16" character height.
K-Factor Range: 0.001 to 999999.99.
Flow Alarm Output Range: 0.1 to 999999.99.
Enclosure Material Housing: Die-cast powder-coated aluminum; Faceplate #HP92W Lexan.
Enclosure Rating: NEMA 4X (IP67).
Electrical Connection: Terminal blocks, #22 AWG, 3 conductor 18’ (5.5 m) cable (2000’ max.).
Mounting: See model chart.
Weight: 3 lb (1361 g).

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<tr>
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<tr>
<td>BAT-M</td>
<td>Blind analog transmitter, meter-mounted</td>
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<tr>
<td>BAT-W</td>
<td>Blind analog transmitter, wall-mounted</td>
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<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>MMK</td>
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<tr>
<td>WMK</td>
<td>Wall mounting kit</td>
<td>$63.50</td>
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</tbody>
</table>

SPECIFICATIONS

Input: Open-collector solid state sensor. Averaging: 2, 4, 8, 16 s (DIP switch selectable); Pulse Frequency: Min. 10 Hz @ 20 mA; Max. 999.9 Hz (rotary DIP switch selectable).
Temperature Limits: 32 to 130°F (0 to 55°C).
Output: 4 to 20 mA.
Power Requirements: 24 to 36 VDC @ 4 to 20 mA when loop powered.
Response Time: 2 to 60 s; 90% FS (depends on input averaging).
Loop Resistance: 0 to 1300 Ω max.
Enclosure Material: Die-cast powder-coated aluminum.
Enclosure Rating: NEMA 4X (IP66).
Electrical Connections: Terminal block.
Mounting: See model chart.
Weight: 3 lb (1361 g).

Loop Resistance: See Bulletin F-BAT