

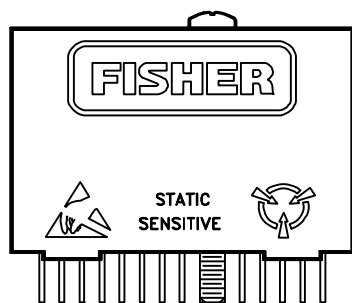
Low-Level Pulse Input Module

The Low-Level Pulse Input Module plugs into a ROC300-Series Remote Operations Controller or a FloBoss™ 407 Flow Manager. It is used for monitoring low-level pulses (three volts or less) from pulse-generating devices. The module accommodates one pulse input.

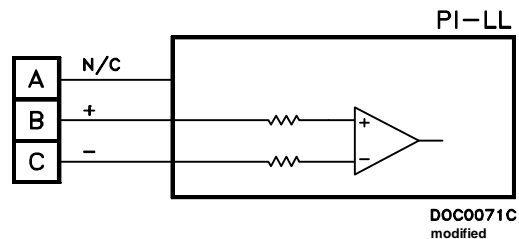
Input pulses are counted by a 16-bit counter. 3 kHz is the maximum input signal. Field wiring connections are made through a separate terminal block that plugs in next to the module. This design facilitates module replacement without disconnecting field wiring.

Specifications

<p>MODULE RACK TERMINALS</p> <p>A: Not used B: Positive pulse input C: Negative pulse input</p> <p>INPUT</p> <p>Type: Two-state, voltage-pulse sense. Active Range: 30 mV minimum to 3 V maximum, peak-to-peak. Frequency Response: 0 to 3 kHz, 50% duty cycle. Impedance: 500 KΩ.</p>	<p>POWER REQUIREMENTS</p> <p>4.9 to 5.1 V dc, 2 mA maximum (supplied by ROC or FloBoss).</p> <p>INPUT ISOLATION</p> <p>Insulation: 10 MΩ minimum, input or output to case. Voltage: 4,000 V ac (RMS) minimum, input to output. Capacitance: 6 pF typical, input to output.</p> <p>(Continued on Page 2)</p>
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Simplified Input Schematic

Specifications (Cont'd)

<p>VIBRATION 20 Gs peak or 0.06 in. double amplitude, 10 to 2,000 Hz, per MIL-STD-202, method 204, condition F.</p> <p>MECHANICAL SHOCK 1500 Gs 0.5 milliseconds half sine per MIL-STD-202, method 213, condition F.</p> <p>CASE Solvent-resistant thermoplastic polyester, meets UL94V-0. Dimensions: 15 mm D by 32 mm H by 43 mm W (0.60 in. D by 1.27 in. H by 1.69 in. W), not including pins.</p>	<p>WEIGHT 37 grams (1.3 ounces).</p> <p>ENVIRONMENTAL Meets the environmental specifications of the ROC or FloBoss unit in which the module is installed, including temperature and surge specifications.</p> <p>APPROVALS Approved by CSA for hazardous locations Class I, Division 2, Groups A, B, C, and D.</p>
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