Model PIA-300, Pulse Isolation Amplifier

The function of the PIA-300 is to protect and properly interface the flowmeter's reed switch or hall effect sensor to customer supplied electronics. (For example: computers, counters, or programmable controllers) The PIA-300 also amplifies the output signal from the flowmeter to be transmitted over a long distance.

The configuration can be one of the following three options:

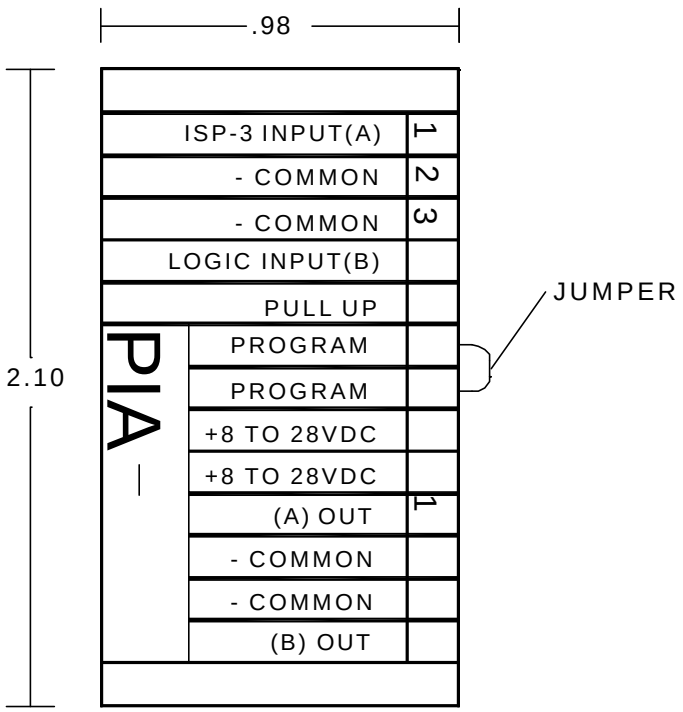
- One input signal from a Flow Meter Reed Switch or a Hall Effect Sensor, and one output signal.
- One signal input and two simultaneous (Square Wave) output signal, (SINK or SOURCE) that can be used to drive other devices such as computers, counters, or PLC's.
- Available as an encapsulated circuit pack un-mounted or in a variety of optional enclosures.

Specifications

- **Input Signal Device**
  Dry contact Reed Switch Sensor
  Hall Effect Sensor
- **Maximum Frequency Input**
  0 to 5,000 Hz
- **Power Supply Range**
  Filtered DC Power is required
  8-28 VDC Maximum
  *__Customer Supplied:__
  Filtered Power Supply
  8-28 VDC, 250 mA
- **Idle Current Draw**
  0.10 Amps @ 28 VDC
- **Maximum Current Draw, Both Channels**
  200 mA
- **Output Signal**
  100 mA per channel into a 0.1μf Load
  SINK or SOURCE
  500 ft. max (18-20 AWG wire)
- **Connections**
  2.4 mm Screwdriver Terminals
  (Wire sizes 14-20 AWG)
- **Temperature**
  -40°F/C to 158°F/70°C

Options

- **Enclosures**
  Local and Remote NEMA 3R
  Local and Remote NEMA 4X
  Local and Remote NEMA 7/4



Part No. EL6630
(Not to scale)