

# PULSAFEEDER®

The Pulsafeeder Pulse Splitter is a low-voltage device that allows a flow sensor to drive multiple pulse-responsive devices, such as solenoid-driven chemical metering pumps, counter timers, or remote totalizers. It requires an external DC power supply for operation and can provide power to a single low power flow sensor, such as a water meter. It can also be used with a dry contact sensor, such as a reed switch meter.

## Connections: (Diagram on reverse page.)

Remove the Pulse Splitter cover to access the terminals. Use the included nuts to secure the strain reliefs on the inside of the enclosure before connecting to the terminals.

**Power.** A DC power supply of 10 to 36 Vdc is required. Connect the +V and -V terminals to the DC + and - as shown.

**Sensor.** If using a two-wire (e.g., water meter), note which two of the three terminals are to be used. Either of the sensor wires can be connected to either of these two terminals. Three-wire sensors (e.g., water meters) are polarity-sensitive and must be connected to the appropriate terminals by standard color code: red is +, black is -, and white is Signal.

**Output.** Three of the outputs are transistor, the fourth is relay. The transistor outputs will operate almost all pulse-responsive metering pumps and controls, provided that the polarity is correct. The relay output is identified by its terminals marked NO (normally open), COM (common), and NC (normally closed). The relay output will operate essentially everything, including the very rare pump or control that will only work with dry contact.

**High Speed Input.** It may be occasionally desirable to use the Pulse Splitter with a high-speed input, such as an paddlewheel flow sensor. If the sensor will be putting out more than 50 pulses per second, it is necessary to disable the relay output, which cannot operate at such high speeds. To do this, clip the jumper marked JP1 (see diagram). Note that the relay output terminals cannot be used in this case.

## Features

- Rugged ABS Plastic Housing
- Optoisolated Transistor and Relay Outputs

## Operating Benefits

- Reliable
- Low cost
- Drive multiple pulse-responsive devices (up to four)
- Pacing chemical metering pumps



## Aftermarket

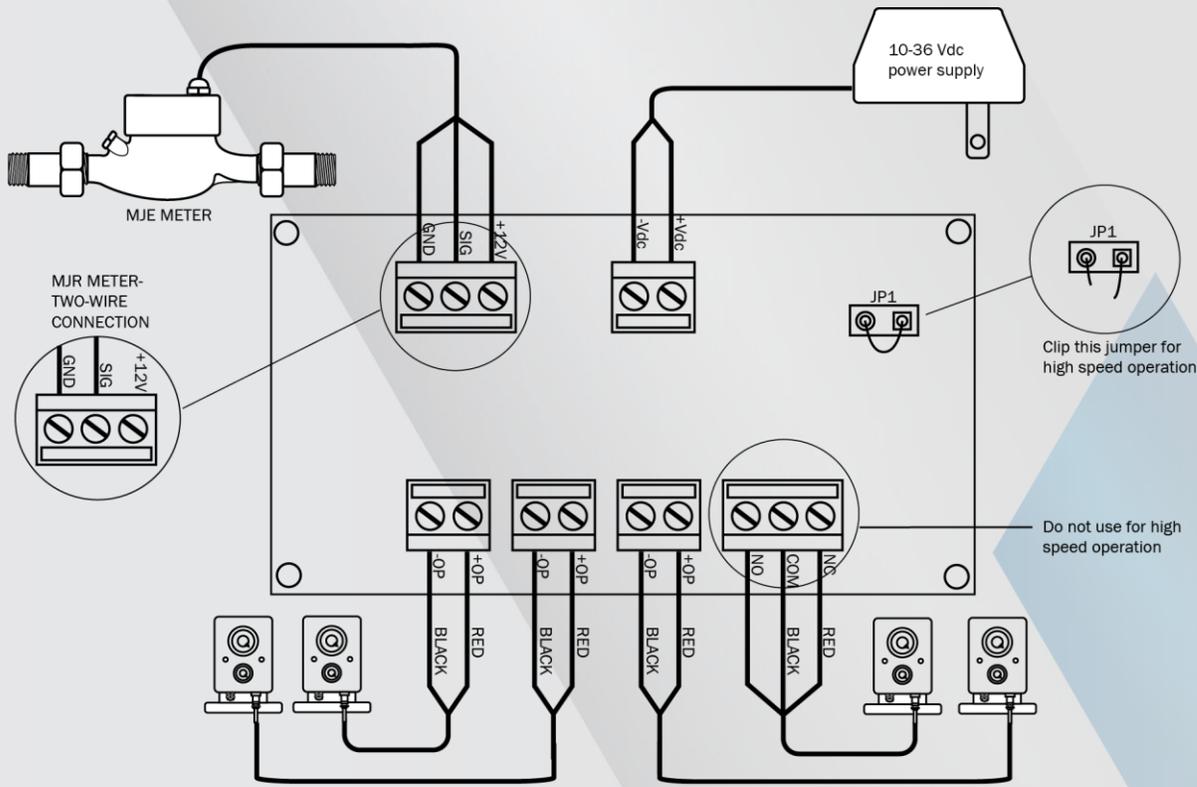
- Solenoids
- Motorized Ball Valves
- Water Meters
- Metering Pumps (PULSAtron, XP Series)
- Paddle Wheel Flow Sensor



## Pulse Splitter

# Pulse Splitter

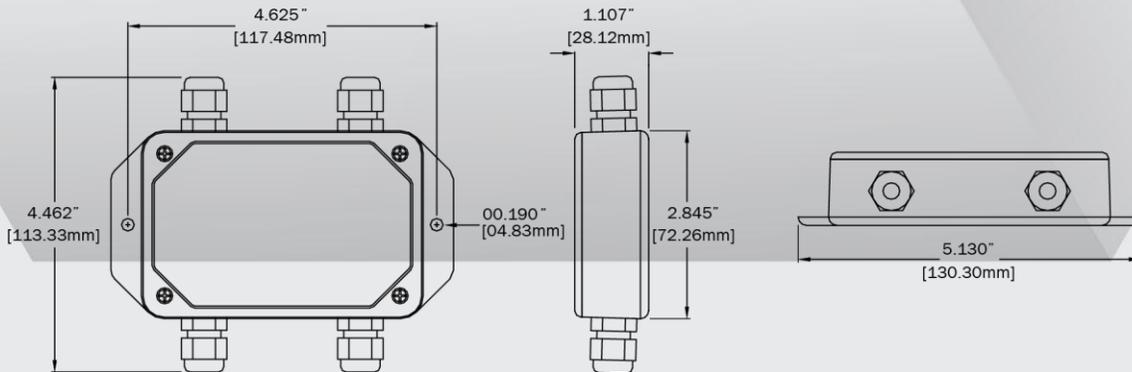
## Specifications and Model Selection



### Engineering Data

<b>Power:</b>	10 – 36 Vdc
<b>Relay:</b>	
<b>Operational Frequency</b>	50 Hz max
<b>Contacts</b>	250 mA max 36 Vdc max 3W max
<b>Operation:</b>	10 mA max @ 30 Vdc max
<b>Outputs:</b>	(3) open collector optoisolated One Form C Relay

### Dimensions



### Custom Engineered Designs – Pre-Engineered Systems



#### Pre-Engineered Systems

Pulsafeeder's Pre-Engineered Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From stand alone simplex pH control applications to full-featured, redundant sodium hypochlorite disinfection metering, these rugged fabricated assemblies offer turn-key simplicity and industrial-grade durability. The UV-stabilized, high-grade HDPE frame offers maximum chemical compatibility and structural rigidity. Each system is factory assembled and hydrostatically tested prior to shipment.



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