

## Instrumentation

### PS40 wall mounted pulse splitter



The PS40 is a low voltage device that allows a flow sensor to drive multiple (up to four) 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. A DC power supply of 10 to 36 Vdc is required.

Three of the outputs are transistor, the fourth is relay. The relay output is identified by its terminals marked N.O (normally open), COM (common), and N.C (normally closed). The relay output will operate essentially everything, including the very rare pump or control that will only work with dry contact.

- Rugged wall mount enclosure
- 3x transistor and 1x relay output
- Cost effective method for driving multiple instruments

#### Technical Information

<b>Power</b>	10 - 36 Vdc
<b>Relay</b>	Operational frequency = 50 Hz max Contacts = 250 mA max, 36 Vdc max, 3W max
<b>Optoisolation</b>	10 mA max @ 30 Vdc max
<b>Outputs</b>	Three open collector optoisolated One Form C relay

### PD10 wall mounted pulse divider



Designed for use as a meter accessory, the PD10 divider is used primarily for pacing electronic metering pumps. Any number from one to 9999 can be set on rotary switches. Each time the divider has received the set number of pulses from the meter, it puts out one pulse to stroke the pump. The PD10 is also useful in boiler and cooling tower feed and bleed operations, and for lowering frequency output of high frequency meters. The PD10 creates a programmable pulse meter with an easily adjustable pulse rate.

- Rugged wall mount housing (meter mount option)
- Volt-free contact closure output
- Cost effective method for reducing frequency output for low speed inputs

#### Technical Information

<b>Wall (Pump) Mount Encl.</b>	Epoxy-encapsulated ABS housing with cover
<b>Meter Mount Enclosure</b>	Cast aluminium sealed housing
<b>Temperature</b>	0° to 130° F (-18° to 55° C)
<b>Divider Range</b>	1 to 9999
<b>Setting Mechanism</b>	Rotary switches
<b>Power</b>	7 - 30 Vdc @ 4 mA
<b>Maximum Sensor Load</b>	20 mA
<b>Maximum Input Frequency</b>	350 Hz (pulses/second)
<b>Maximum Output Frequency</b>	8 Hz (pulses/second)
<b>Output</b>	Solid state relay; 0-250 V, 170 mA max AC/DC
<b>Output Pulse Width</b>	0.1 second
<b>Wall Mount Input Connection</b>	Seametrics connector
<b>Meter Mount Input Connection</b>	Terminal
<b>Wall Mount Output Connection</b>	Pump connector on 24 inch lead
<b>Meter Mount Output Connection</b>	Comes with 18 foot lead