

# Information Sheet

## Pulse Transmitter

Part No. 26006

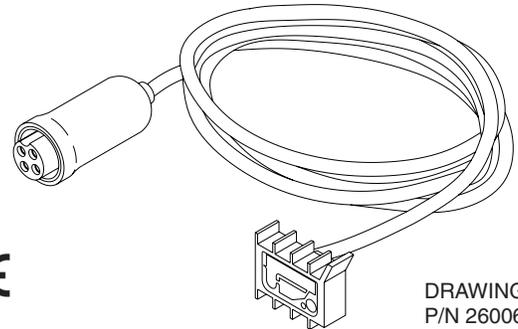
Part No. 48489

- Trigger two or more LMI metering pumps for multiple chemical pumping or extra pumping capacity

The Pulse Transmitter lets one (1) LMI pump control the stroking rate of up to ten (10) LMI P7, B7, or C7 pumps when used with P/N 26006 or ROYTRONIC® Series A7 or ROYTRONIC EXCEL™ AD8 pumps with P/N 48489. As you change the stroking frequency of the master pump, either manually or automatically, each of the controlled pumps will keep exact pace with it.

You can pump up to ten (10) different chemicals at the same speed but at different stroke settings. You can change the total output of a large number of pumps while maintaining your preset pump-to-pump output ratios.

If you prefer, all pumps can be individually adjusted so that each produces the same output per stroke.



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P/N 26006

The Pulse Transmitter also makes it possible to feed a larger quantity of the same chemical solution. Several pumps may be connected in cascade, and all their stroke frequencies be adjusted simultaneously by adjusting a single pump, either manually or automatically.

Figure 1

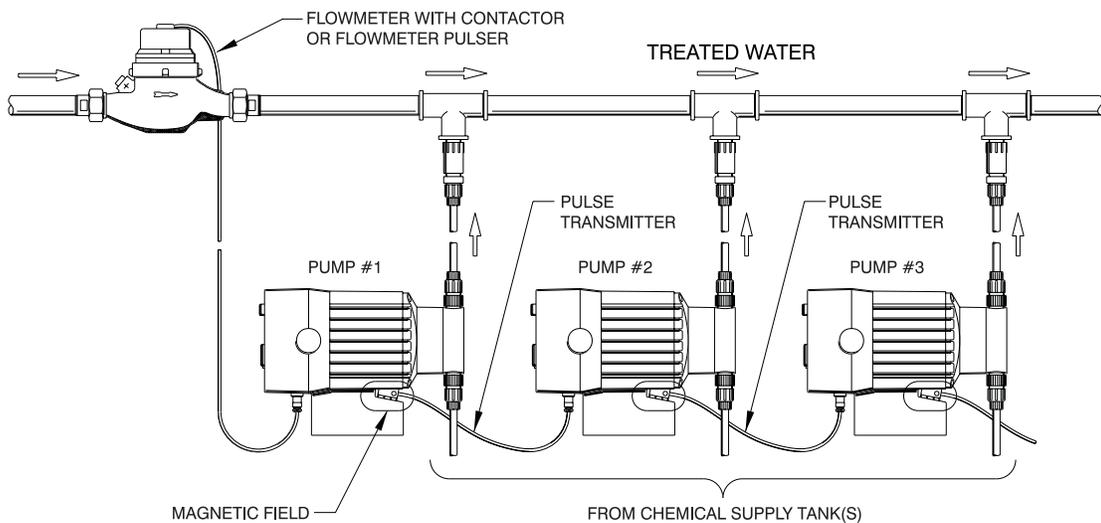


Figure 1 shows flow-proportional treatment by means of an LMI Flowmeter. Set Pump #1 on external mode. Each Flowmeter pulse signal triggers one pump stroke. The Pulse Transmitter senses the magnetic field change in

the pump and triggers the next pump in the series. Each pump may feed a different chemical solution if required.

**NOTE:** Each consecutive pump must also be set on external mode.



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Figure 2 illustrates a multiple pump feed system paced by an analog signal from an automatic control instrument (e.g. 4 - 20 mA pH transmitter). The analog signal is converted to contact closures by the LMI Controller and each closure produces one stroke of each pump. No relays or signals splitters are required.

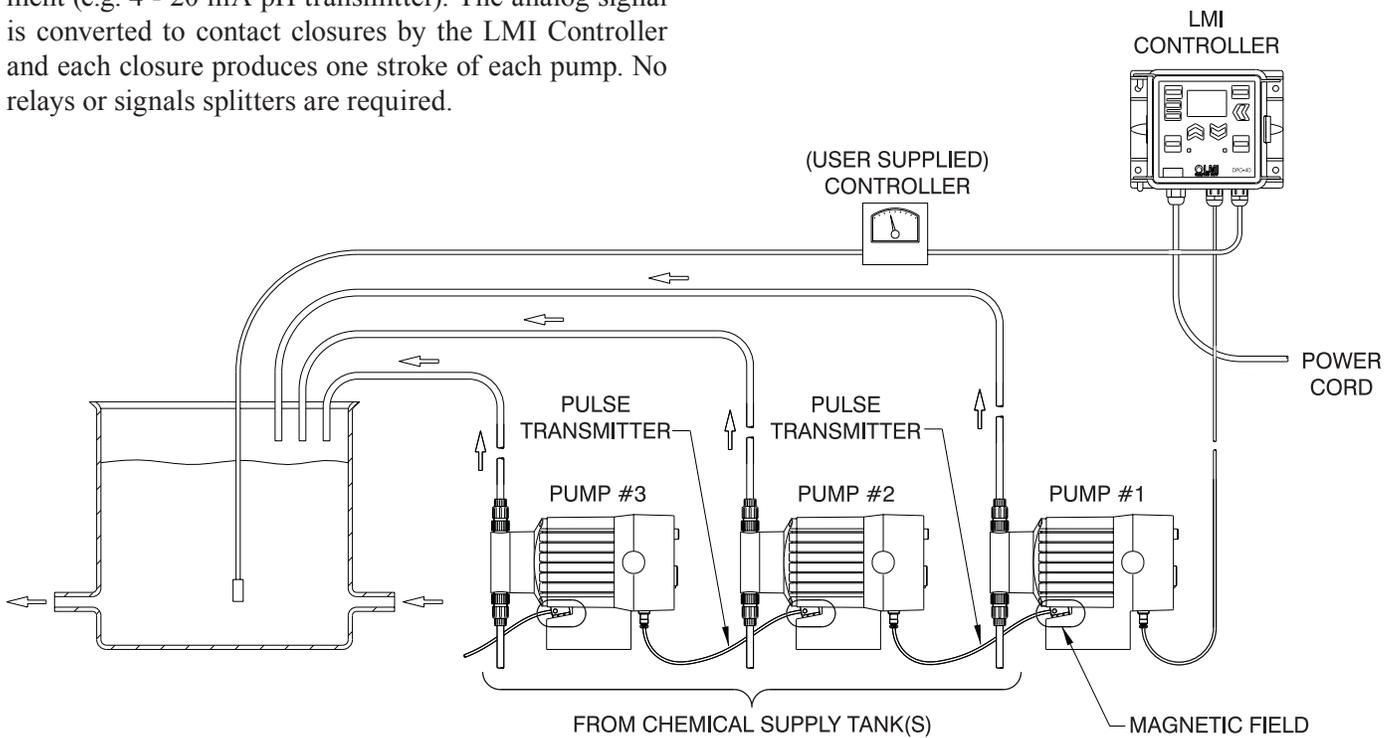


Figure 2

The reed switch portion of the Pulse Transmitter is enclosed in a rubber boot, which has “fins” to allow for a snug fit (Figure 3). Insert this boot between the grooves of the pump spacer, in the middle of the spacer and not off to either side. The long tab of the boot should butt up against the spacer when installed on a Roytronic® Series A or Excel AD pump. When using a Series P, B or C pump, insert the boot such that the bottom edge of the boot is flush with the base of the pump housing. The connector at the opposite end of the cable should be inserted into the external input jack.

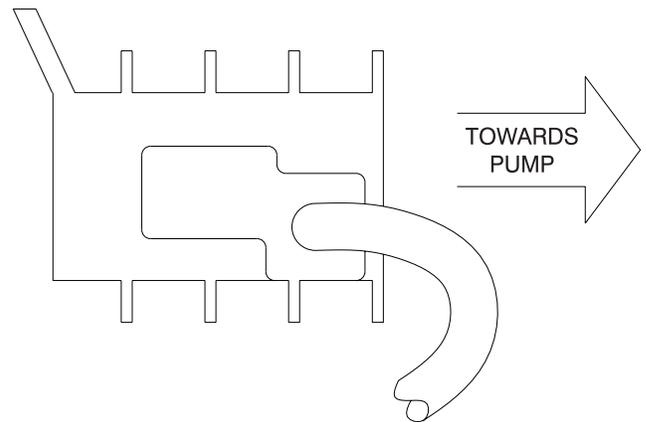


Figure 3

**NOTE:** The Pulse Transmitter can be used for an unlimited sequence of pumps. However, because of contact lag time, if more than ten pumps are cascaded, the first pump will be in its second discharge stroke before the last pump completes its first stroke.

<b>Cable</b>	10 ft (3 m), 2 conductor 22 AWG. Wire
<b>Max. Inductive Load</b>	5 watts, 0.2 amps 115 VAC, or 0.1 amp, 230 VAC, or 0.2 amp, 28 VDC
<b>Max. Resistive Load</b>	8 watts, 0.5 amp, 115 V max. AC or DC
<b>Switch Rating</b>	0.1 amp