

# Application Note

## Troubleshooting Remote Flowmeter-Pulsar Installations

Listed below are the steps which should be taken when troubleshooting a Remote Flowmeter-Pulsar (RFP) system failure. The diagram below illustrates all associated wiring for LMI's RFP systems.

### 1. External Mode

Be sure the pump has been set in external mode. Internal mode operation will override flowmeter output.

### 2. Divider Number

Using the RFP installation and instructions manual, determine if the proper divider number has been set. Numbers set below the calculated minimum divider number will not register properly.

### 3. Pump

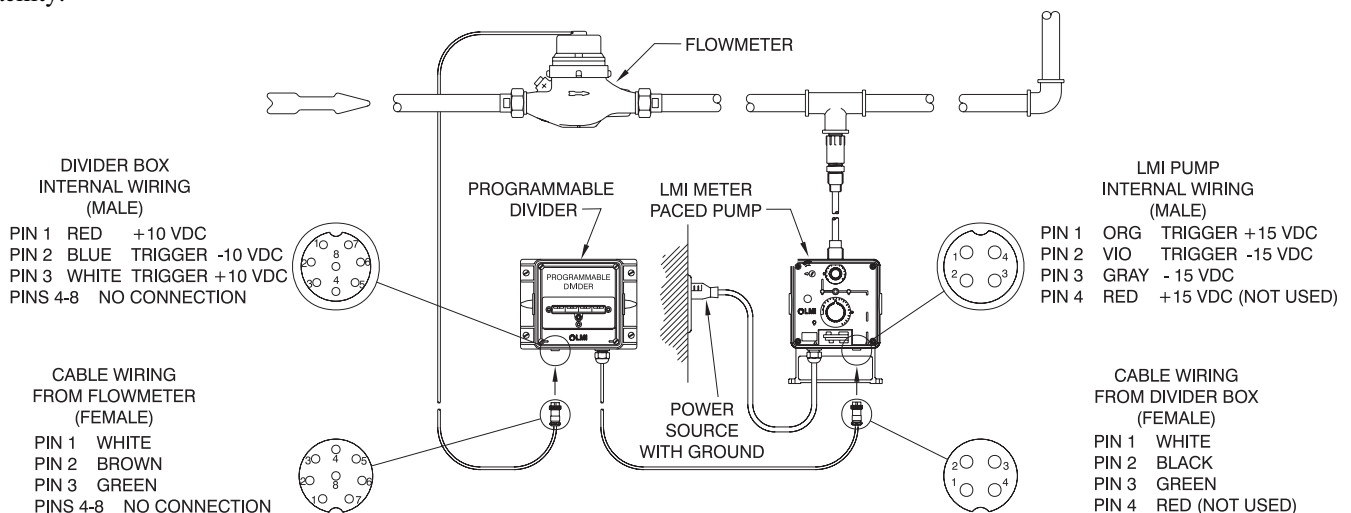
Disconnect the 4-pin connector at the pump. Switch the pump to external mode. Using a screwdriver or paper clip, bridge pins 1 and 2 on the pump. The pump should stroke each time the pins are bridged. If not, the pump may be damaged. Please consult the factory or your local LMI repair facility.

### 4. Divider Box

Reinstall the 4-pin connector to the pump. Disconnect the 8-pin connector from the divider box. Remove the divider cover and set the divider number to **0001**, then replace the cover. Switch the pump to external mode. Using a screwdriver or paper clip, bridge pins 1 and 2 on the divider box. The pump should stroke each time the pins are bridged. If not, the divider box may be damaged. Please consult the factory or your local LMI repair facility.

### 5. Flowmeter

If the pump and divider box are operating properly, identify if the flowmeter dials are registering flow. If not, check the minimum recommended flowrates in the instruction manual. If flow is sufficient, the flowmeter may need repair. If flow is registering correctly, the flowmeter sensor and cable assembly may need to be repaired or replaced. Please consult the factory or your local LMI repair facility.





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