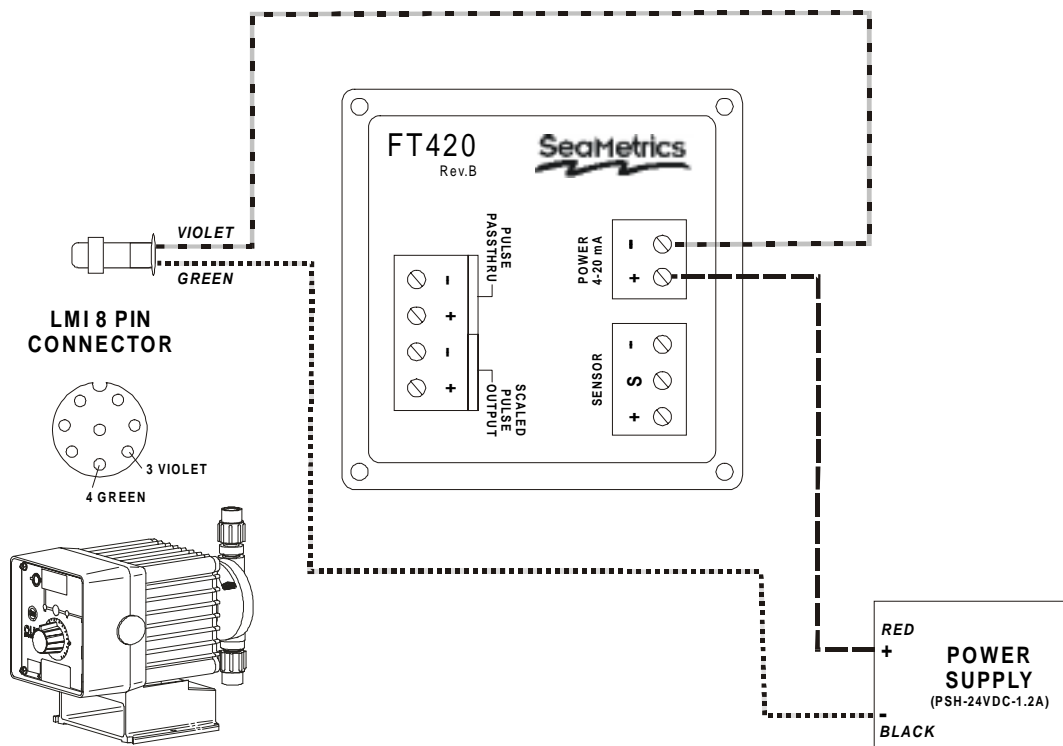


10/21/03

LMI 9 Series Pumps & Flow Transmitters

One of the more popular applications for LMI pumps is to operate proportionally by receiving a 4-20 mA signal from flow meters. However, the LMI 9 Series Pumps **do not** have sufficient power to energize the SeaMetrics FT420 Flow Transmitter.

Therefore, if a customer is using a 9 Series Pump, he must provide 12-24 VDC power from an external power source such as the Wingert manufactured **24VDC Power Supply w/Housing (part # PSH-24VDC-1.2A)**. Here is the wiring diagram:



- Connect the violet wire from the LMI 8 pin connector to the negative (-) terminal of the FT420 at the 4-20mA.
- Connect the red wire (+) from the Power Supply to the (+) terminal of the FT420 at the 4-20mA
- Connect the black wire (-) from the Power Supply to the Green wire of the LMI 8 pin connector.

This is the utilization of 4-20 VDC for an FT420 to pulse an LMI 9 Series Pump. If you have any questions, please let me know.