

Mechanical Dispensers

MDIM Applications

Up to 4 single product fueling positions are supported per module, and a maximum of 8 modules (32 fueling positions) per system are supported. Requires a pulser/totalizer or pulse transmitter and a safe barrier device for each fueling position.

Only Veeder-Root mechanical dispensers are supported.

Typical Wiring to Mechanical Dispensers

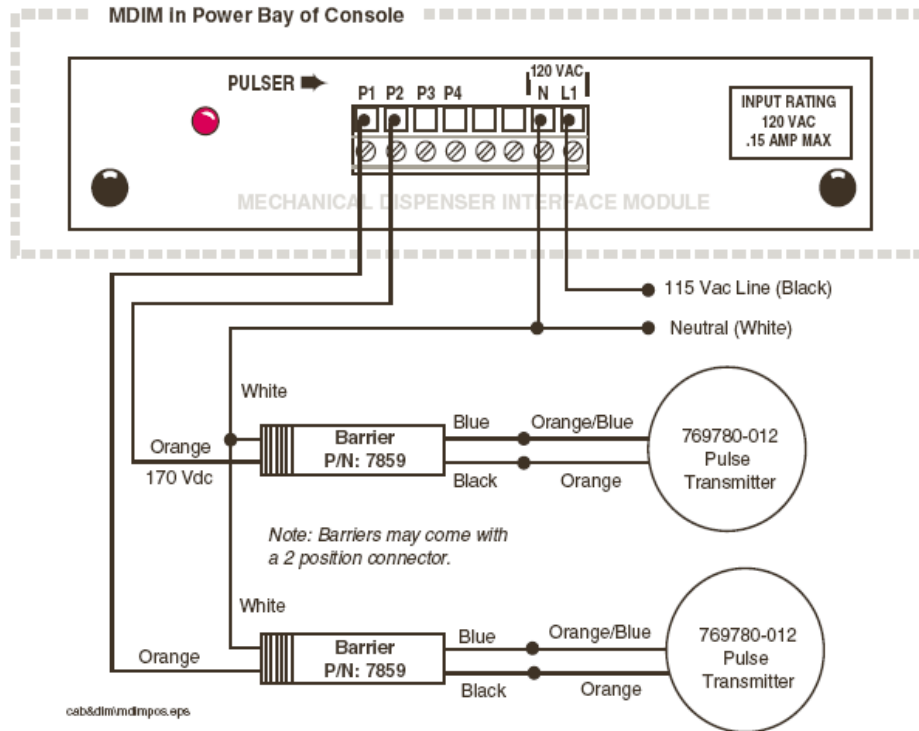


Figure 21. Wiring diagram of MDIM using two 1871/7697 Series Pulse transmitters and required barriers

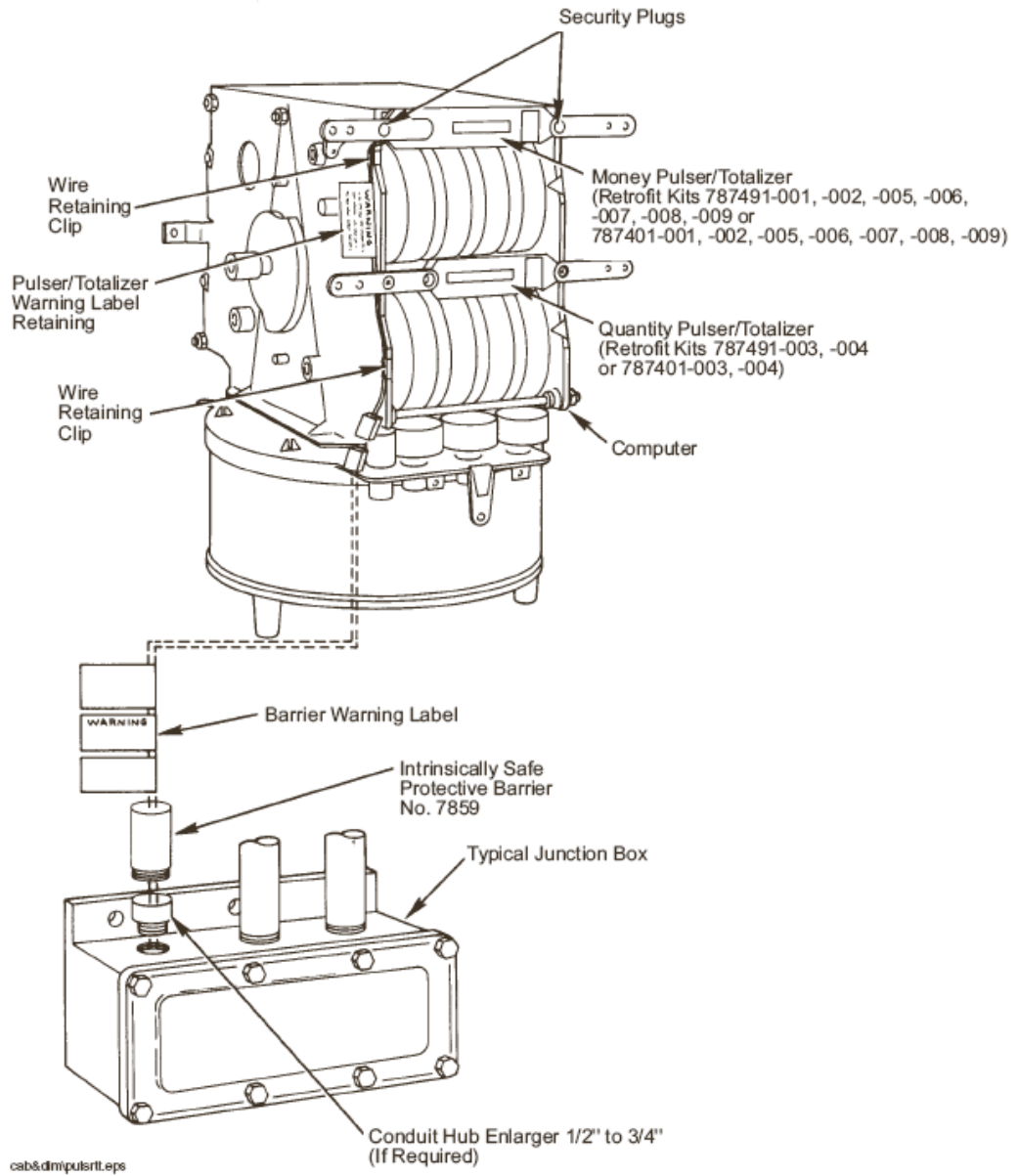


Figure 22. Mechanical Dispenser Applications using 7874 Series Pulser/Totalizer

Typical Wiring for Meter Stand Applications

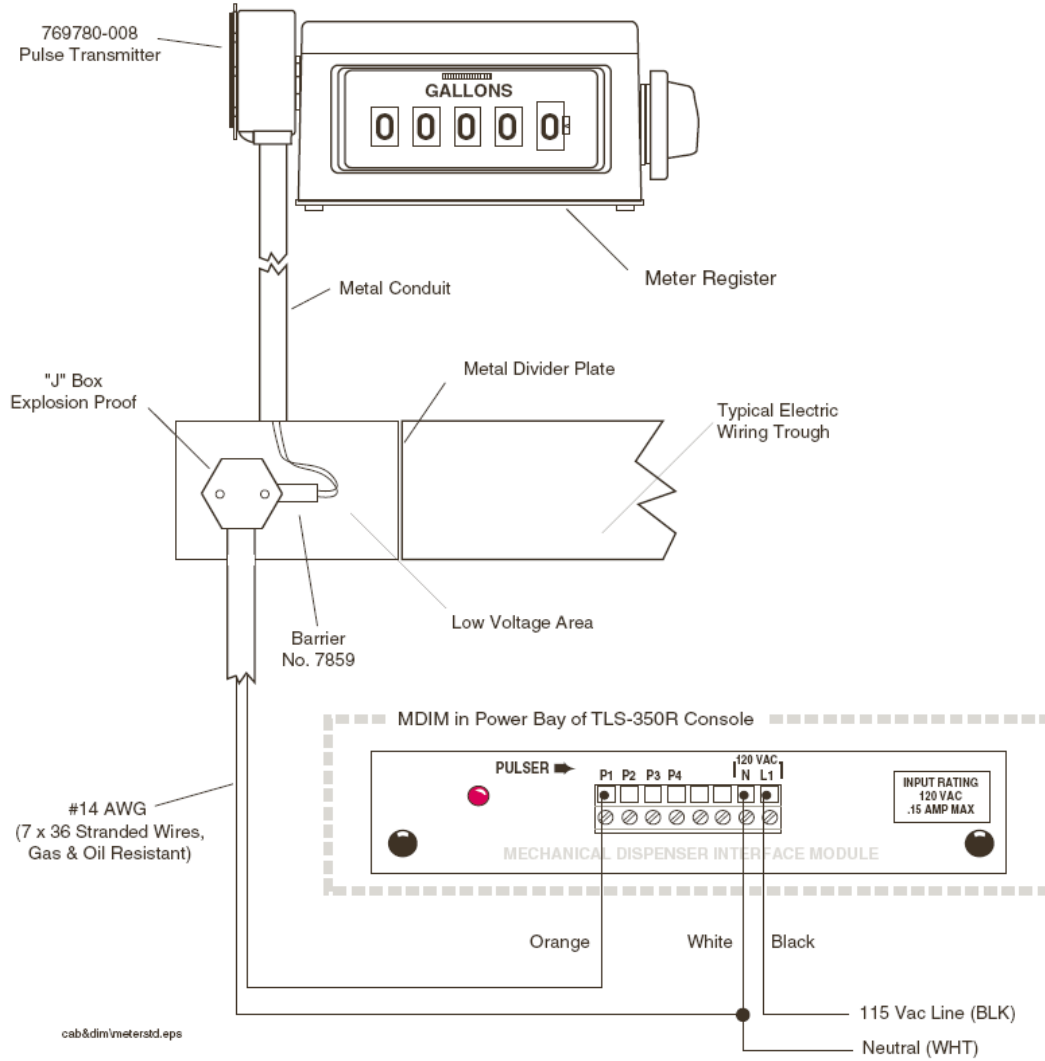


Figure 23. Meter Stand Application Using 1871/7697 Series Pulser/Totalizer

LVDIM Applications

Up to 4 single product fueling positions are supported per module, and a maximum of 8 modules (32 fueling positions) per system are supported.

PetroVend System 2 Controller

LVDIM is connected to the PV270 pump relay board (in the System 2 controller) and thence to the pulsers (see Figure 24).

PetroVend 4-conductor shielded cable (part no. 12-1026) must be used to connect to pulsers; or you must run #18 AWG gas, oil, and fire-resistant wire in metal conduit (separate from high-voltage wiring) to the pulsers.

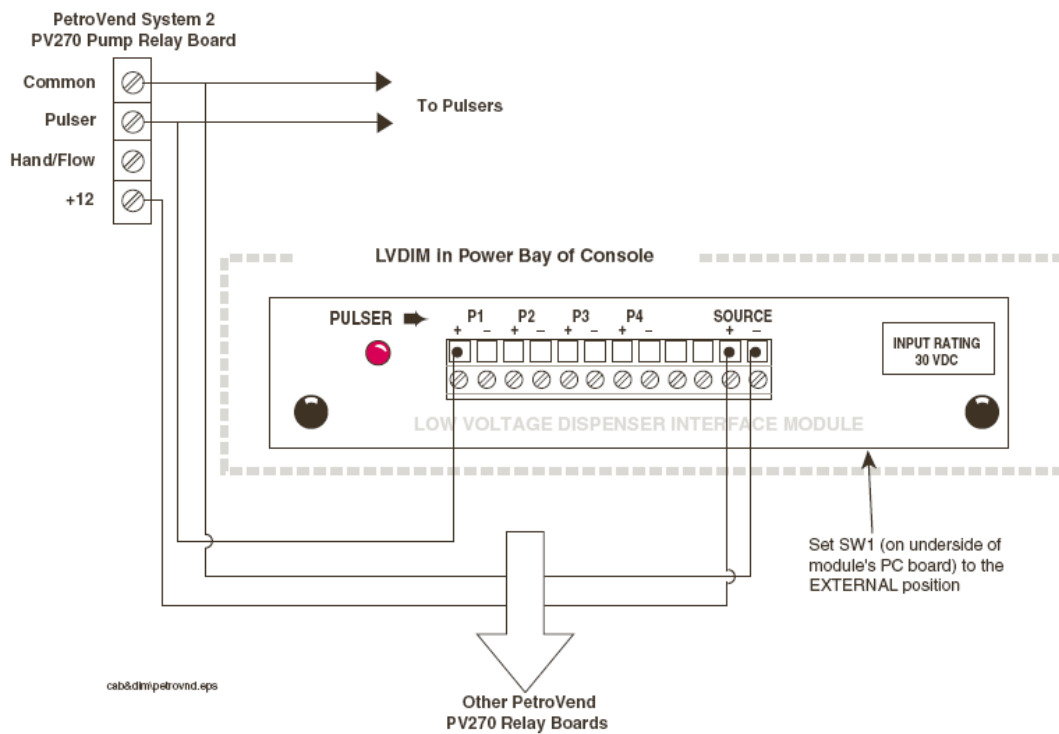


Figure 24. LVDIM Installation with PetroVend System 2 Site Controller

Kraus Micon 200 Electronic Dispensers

Caution! Kraus Micon applications are not U.L. approved.

Each dispenser must provide “volume” pulser output to LVDIM. Installer will have to pull special shielded, UL/CSA type #18 AWG RS-422/485 style, gas, oil, and fire resistant twisted pairs in metal conduit.

LVDIM is connected to the DC junction box inside the Micon 200 electronic dispenser head and thence to the pulsers.

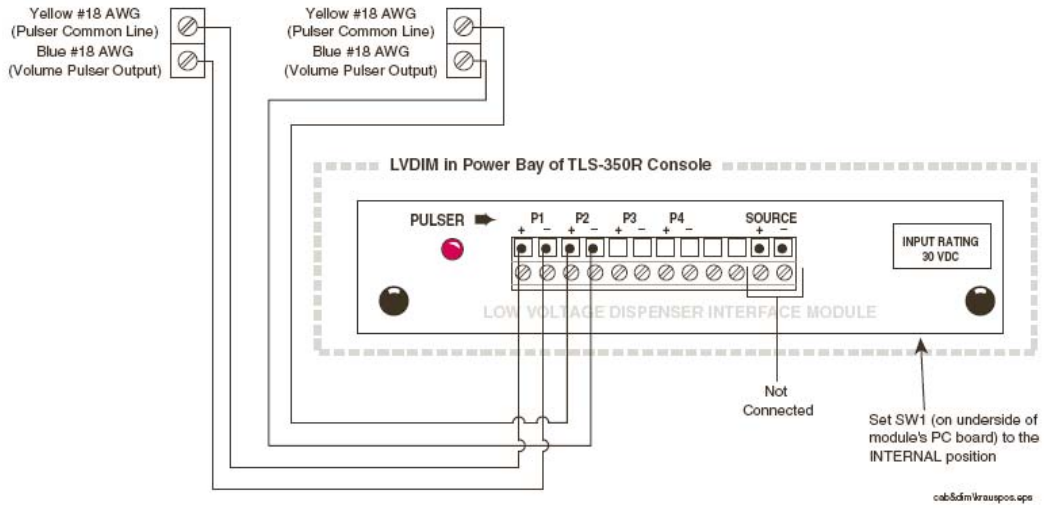


Figure 25. LVDIM Installation Kraus Micon 200 Series Electronic Dispensers (not UL approved)

Wiring to GasBoy 9800 or Tokheim 2600 Series Electronic Dispensers

Special shielded UL/CSA type #18 AWG RS-422/485 style, gas, oil, and fire resistant twisted pairs must be pulled between pulsers and LVDIM module in metal conduit.

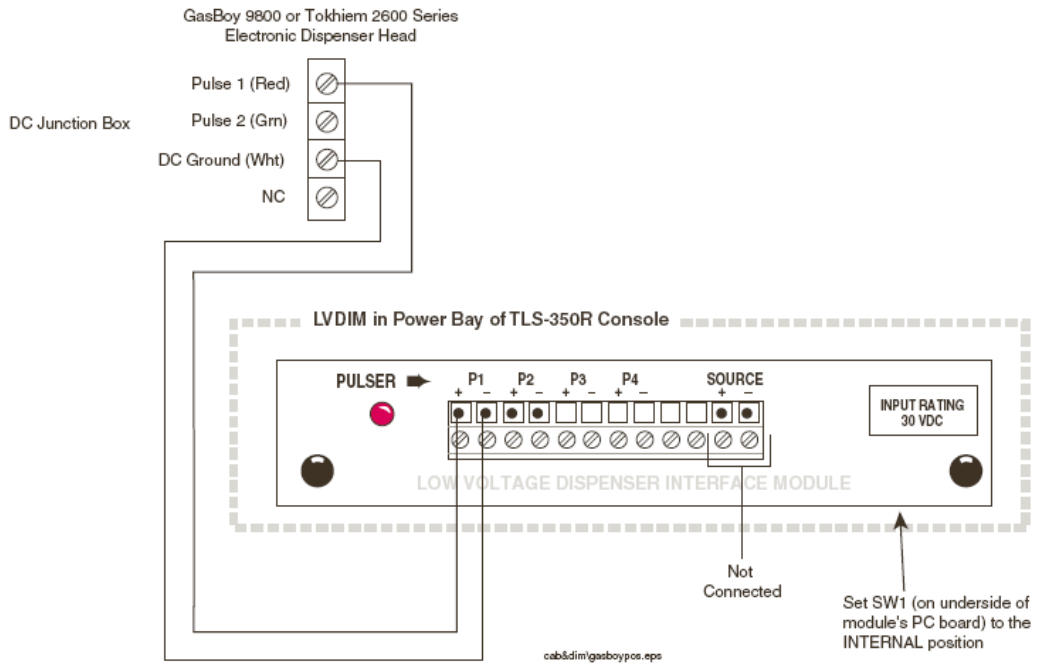


Figure 26. LVDIM Installation with GasBoy 9800 or Tokheim 2600 Series Electronic Dispenser Head