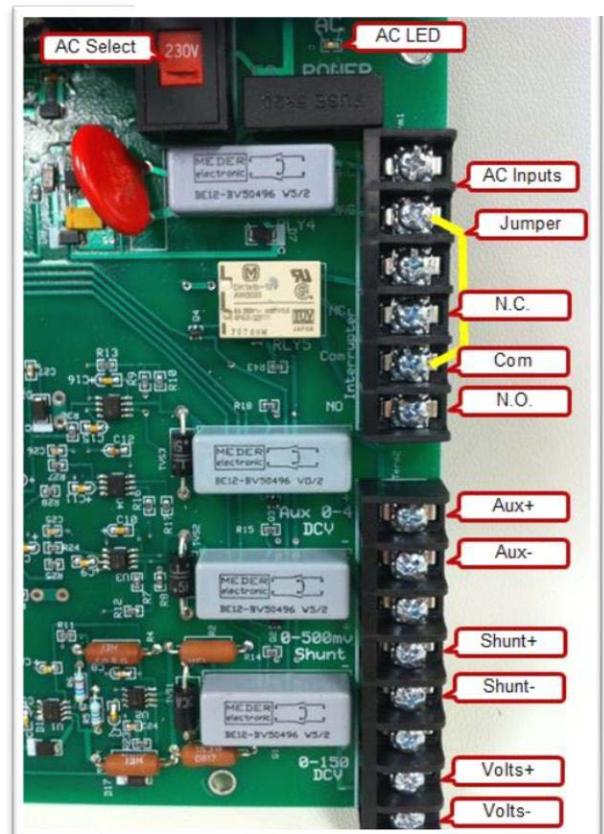


1. Before beginning installation, inspect the components for shipping damage. The kit should include: (1) Hero™ Rectifier Monitor, (2) Pole-mount bracket (attached to RM module) (3) lag bolts and (4) the 12v battery. If any of these items are missing or damaged, contact OmniMetrix® for replacement. The packaging may also contain (1) Interrupter relay, and (2) Relay MOV (blue metal oxide Varistor).
2. Do not connect the Hero Rectifier Monitor battery wires at this time. That is the final step of the installation. Power down the Rectifier and the local AC power.
3. Mount the Hero Rectifier Monitor securely, above the Rectifier if possible (pole-mount bracket and bolts included in kit).
4. Install conduit from the Rectifier Monitor (RM) enclosure to the Rectifier housing. There is a hole into the bottom right of the RM enclosure for a 3/4" hub (conduit and hub to be supplied by installer).
5. Locate the AC power select switch in the upper right corner of the main circuit board, just below the blue transformer.
6. Set the switch to the correct AC supply voltage.
7. Route the external wire through the conduit and hub. All wiring is to be provided by installer.
8. For ease of installation, all external wiring is connected to Term1. Connect AC Power wires to the first two terminals (marked AC). NOTE: There are no power ground connections in this unit. Do not bring a grounding wire into the enclosure.
9. Analog Input Wiring Notes: For proven performance from the analog inputs, use 16-gauge twisted pair w/shield and shield wire. The shield wire should have no connection on the end of the cable that connects to Term2. Connect the shield wire to the (-) insulated wire at the Rectifier end of the cable.
10. Connect Aux input wires, if used, to the 'Aux' input terminals. This is a 0 to +4v DC analog input. NOTE: the polarity must be observed.
11. Connect Shunt wires to the 'Shunt' terminals. Again the polarity must be observed 0-500 mVDC input.
12. Connect Rectifier output wires to the '0-150 VDC' terminals. '0-150VDC' input.

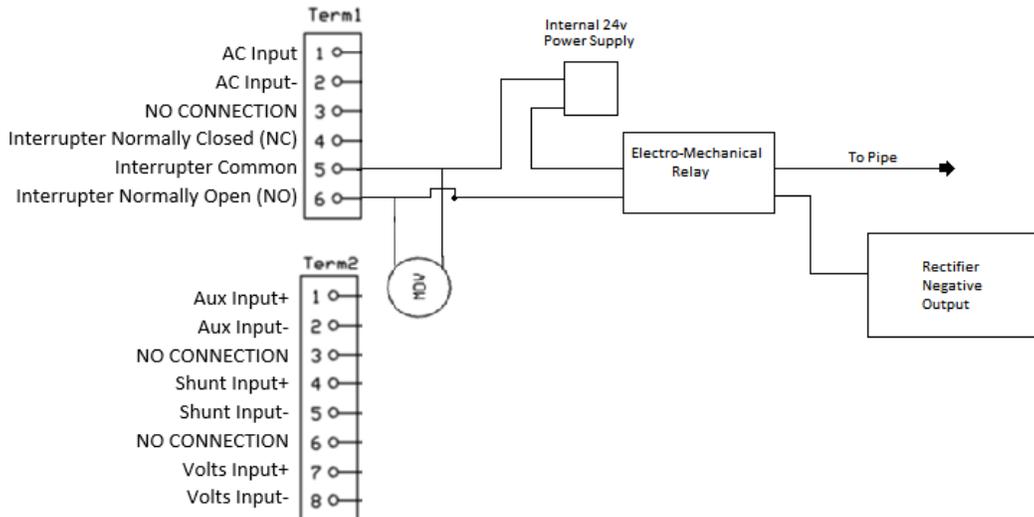


Hero™ Rectifier Monitor



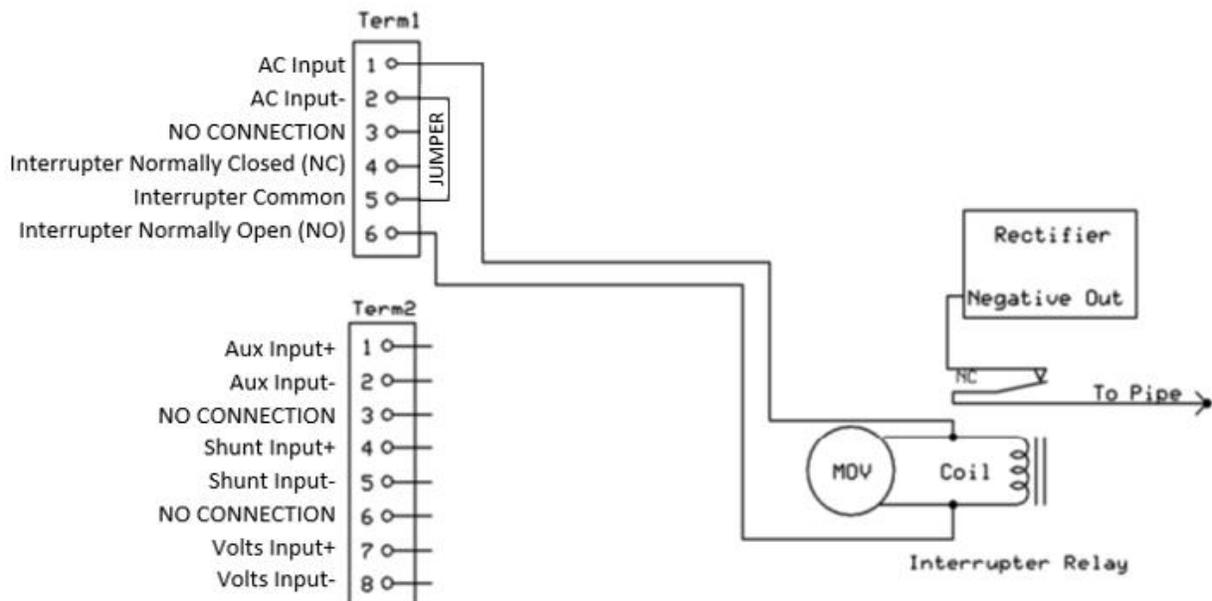
13. If using the Electro-Mechanical Interrupter Relay:

- The Electro-Mechanical Interrupter Relay will come from the factory mounted inside the Hero Rectifier Monitor with the control wires and MOV attached.
- Locate the Rectifier negative output wire, attached to the negative connection terminal. Connect the wire to one of the terminals on the relay.
- Connect the other terminal of the relay to the pipe.



14. If Installing the External Interrupter Relay:

- Mount the relay inside of the Rectifier. The relay must be mounted in the vertical position (again make sure the relay is the correct voltage for your installation). Use self-tapping screws (not provided) to mount directly to the Rectifier's front plate.
- Locate the Rectifier's negative output wire, attached to the back of the negative (-) connection terminal. Connect the wire to the top terminal of the relay.
- Connect the bottom relay terminal to the Rectifier negative (-) connection terminal.
- Connect the MOV (provided) to the relay coil.



15. Apply Kearney 'Aquaseal' or similar to the cable hub and wires inside the RM enclosure, to make the cable entrance water-tight.
16. Turn on the local AC control power, and energize the Rectifier.
17. Use a voltmeter to measure the voltages at Term1. Pins 1 & 2 should show the AC control voltage. Verify the DC voltage and Shunt voltage at the corresponding terminals. Verify correct polarity.
18. Attach the Rectifier Monitor battery leads, observing correct polarity.

4G Light Pattern

The green 'AC POWER' lamp  (under the blue transformer) should now be illuminated, indicating the monitor has AC power.

Approximately 15 seconds after the power light turns on, the red  LED on the radio will illuminate. The blue  LED on the Radio will illuminate a few seconds later. It will flash every second or so until it connects to the cell tower. Once connected, it will be solid. If this continues for more than 10 minutes, contact OmniMetrix Technical Support.

The blue lamp will begin to flash on the main circuit board. There will be a rapid flash for several seconds  when the unit has logged in and is online.

Wait several minutes until the blue lamp has a steady beat of one flash per second (this could take up to 10 minutes).

LTE Light Pattern

The green 'AC POWER' lamp  (under the blue transformer) should now be illuminated, indicating the monitor has AC power.

The blue lamp will begin to flash on the main circuit board. There will be a rapid flash for several seconds  when the unit has logged in and is online.

Wait several minutes until the blue lamp has a steady beat of one flash per second (this could take up to 10 minutes).

Secure the enclosure door. Installation is complete.

If you have any questions, please call OmniMetrix Tech Support at 770-209-0012 or email at techsupport@omnimetrix.net.