

Magnetic Switch Wiring Instructions

for use with Drain Master with (LED) Indicator Light

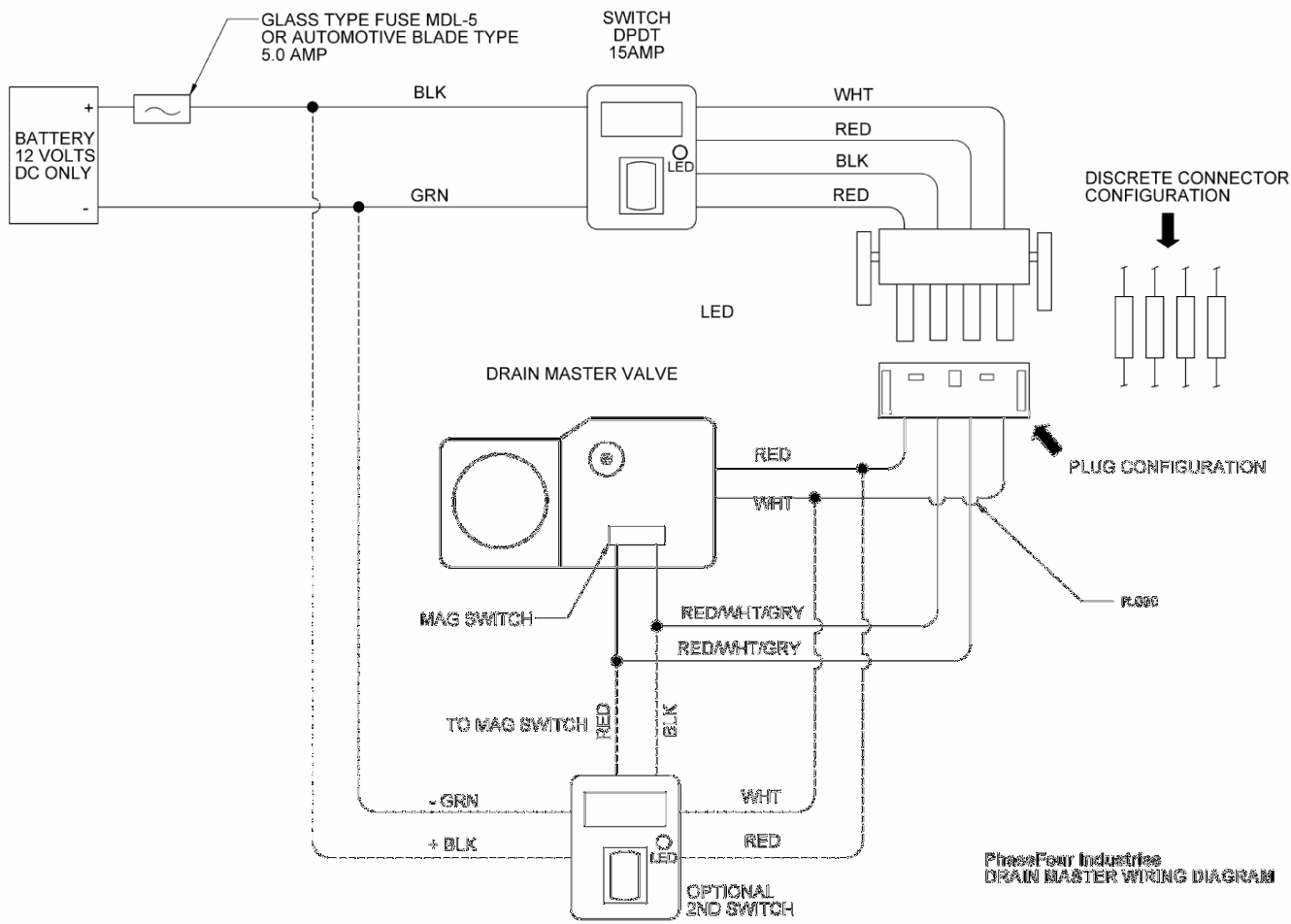
The purpose of the magnetic switch and LED indicator light is to sense if the gate is in any position other than closed. When the LED indicator light (RED) is lit, the gate is OPEN (or not fully closed).

- Battery positive connects to the BLACK wire on the switch.
- Battery negative connects to the GREEN wire on the switch.
- The long RED and WHITE wires are for the valve motor operation, and are to be connected to the RED and WHITE wires on the valve

The two red/white/gray wires on the valve are for the magnetic switch. Connect these wires to the short RED and BLACK wires on the switch. These are labeled, "To Mag Sw."

It is very important that no other load is hooked up through the magnetic switch or LED circuit. Excessive current (more than ½ amp) will damage these devices, causing them to fail. We strongly recommend using our pre-wired switches, LED's and magnetic switches.

- **Re: valves with Magnetic Switches-** Because of the high number and proximity to equipment capable of generating stray current surges, it is highly recommended that we review a few installation guidelines to help prevent damage to the magnetic switch used to monitor the valve gate position.
 - Wire runs from the rear to the front of the vehicle should be kept as short and as straight as possible.
 - Care should be taken to route connecting wire away from existing wiring and away from pump, blower or inductive type motors and spark plugs.
 - Persistent problems may require a shielded and grounded wire run from the back to the front of the vehicle.



PhaseFour Industries
DRAIN MASTER WIRING DIAGRAM