

## **MPE Level Probe Relay Specification:**

The Level Probe Relay shall be a microcontroller based latching relay, designed for use with a conductance Level Probe. When used for a level alarm, both the ON and OFF inputs may be connected to a single point on the probe.

The Level Probe Relay shall be a 12 pin plug in style unit, shall be 120VAC powered, and shall have LED indication for power on and relay on.

The Level Probe Relay shall use two probe points to make a latching circuit, and the output relay shall be rated 5A, DPDT. The sensor output voltage shall be a +/- 12 V square wave.

The Level Probe Relay shall perform both Pump-Up and Pump-Down operations. The unit shall provide a 10 second power-up delay to prevent a pump coming on too soon after a power interruption. Adjustable ON and OFF delays shall be provided, and be dip-switch selectable. The Level Probe Relay shall contain a seven position dipswitch on the top of the unit, providing settings for level probe sensitivity, on pump time delay, off pump time delay, and pump up/pump down selection.

The Level Probe Relay shall be Model LPR-1, as manufactured by Motor Protection Electronics, Apopka, Florida, (407) 299-3825.