



# PUMP MONITOR RELAY - PMR1

## Application Note For Motor Thermal and Leakage Probe Wiring Over an Extended Distance

### DESCRIPTION

This Application Note shows the recommendations for the PMR1 Motor Thermal and Leakage Probe wiring where extended distances are involved.

The PMR1 Motor Thermal and Leakage Probe sensor inputs must both be protected from the electrical interference generated from being too close to the pump power cables over an extended distance. To ensure proper operation of the PMR1 please see the following notes:

1. Shielded Twisted Pair (2 conductor) must be used for each of the sensor circuits.
2. Each of the shield wires must be connected to control panel ground in only one place.
3. If plastic conduit is used, there must be a distance of at least 6 inches between conduits.
4. The maximum distance between the Junction Box and the Control Panel is 300 feet.

