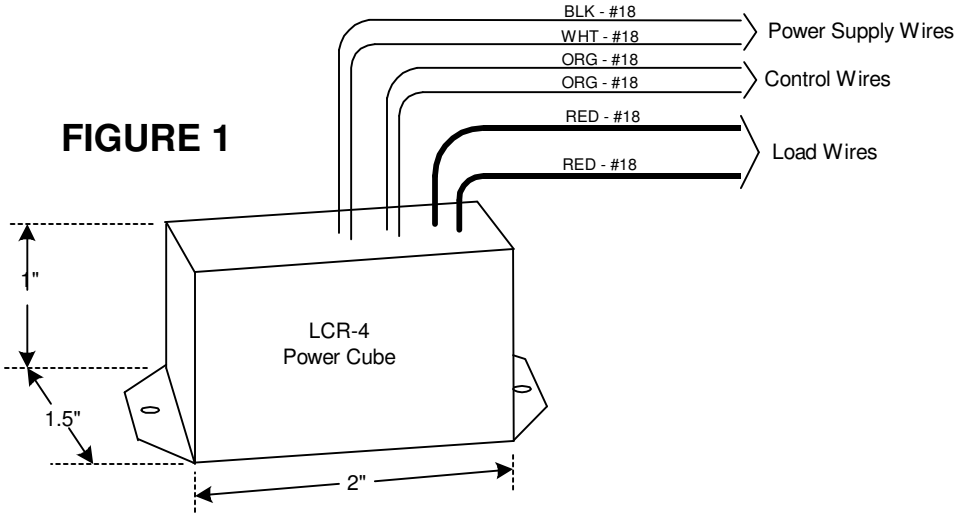
LCR-4 LOAD CONTROL RELAY INSTALLATION INSTRUCTION SHEET

FIGURE 1



MOUNTING POSITION - The LCR-4 can be mounted in any position. The LCR-4's epoxy-potted design allows nearly any mounting configuration required. It is intended to be mounted inside a meter enclosure where it will not be exposed directly to the weather. The 2" x 1.5" x 1" form factor of the LCR-4 is ideal for mounting inside a tight meter enclosure with a high level of electrical insulation. The LCR-4 should be mounted or positioned such that the bottom side of the LCR-4 is up against and flush with an inside wall of the enclosure that does not get direct sunlight. This will provide some heat dissipation of the solid state switching element. Two mounting tabs are provided for secure mounting.

POWER INPUT - The LCR-4 is powered by 120 VAC and requires only a few milliamps. Connect the LCR-4 as shown in Figure 2 wiring diagram.

METER CONNECTIONS (INPUT) - The LCR-4 has a dry-contact input meaning that the control input wires simply need to be connected or disconnected to each other to switch the load on and off. Connect the LCR-4's signal input leads (ORG) to the meter's dry contact output terminals. There is no polarity. Either orange wire may be connected to either terminal of the meter's dry-contact output switch. The meter's output switch MUST be isolated.

LOAD CONNECTIONS (OUTPUT) - The relay's output is a semiconductor MOS-FET type switch between the Red #18AWG wires. This relay contact is inserted in series with one side of the load to be controlled as shown in Figure 2. The relay output is rated up to 1 Amp at any AC or DC voltage from 6 volts to 120 volts. The contact is normally-open (NO) and is intended to be inserted into a control circuit or load circuit up to 1 Amp.

OPERATION - Upon the closure between the orange wires, the power relay's contacts will close. When continuity between the orange wires is broken, the relay's contacts will open.

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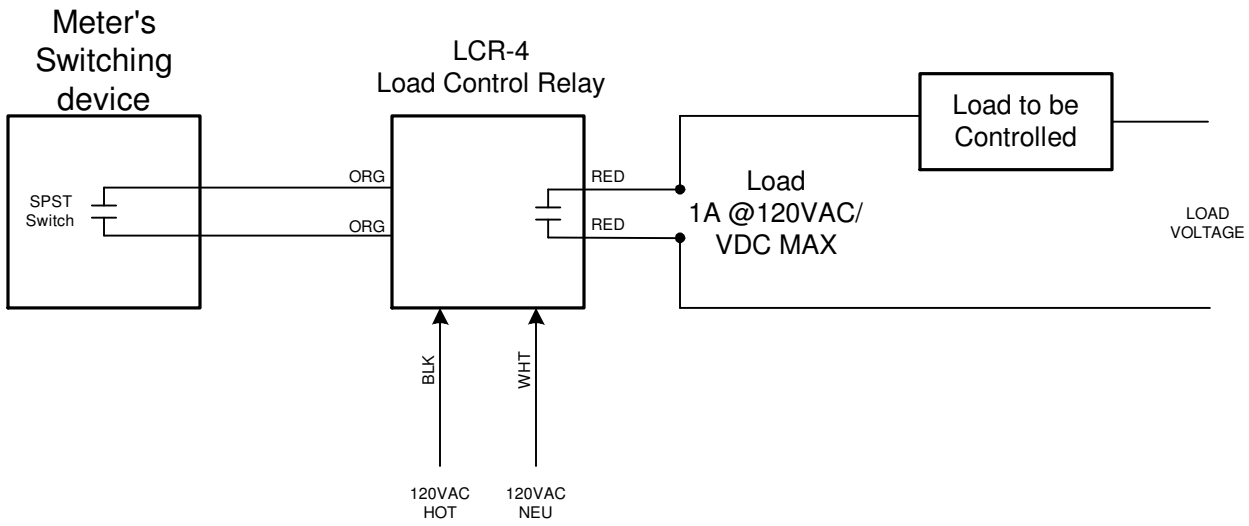
FIGURE 2: LCR-4 Wiring Diagram



LCR-4 Load Control Relay Wiring Diagram		REVISIONS	
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