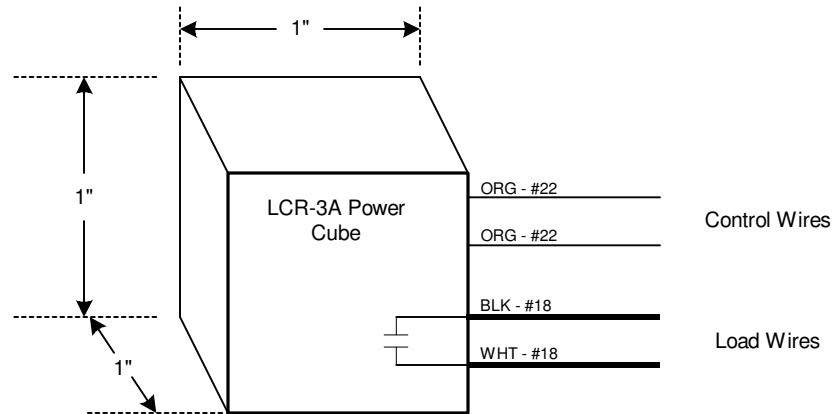


LCR-3A LOAD CONTROL RELAY INSTALLATION INSTRUCTION SHEET

FIGURE 1



LCR-3A LOAD CONTROL RELAY

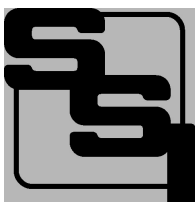
MOUNTING POSITION - The LCR-3A can be mounted in any position. The LCR-3A's epoxy-potted design allows almost any mounting configuration required. It is intended to be mounted in a meter enclosure where it will not be directly exposed to the weather. The 1" cube form factor of the LCR-3A makes it ideal for mounting inside a tight meter enclosure with a high level of electrical insulation.

POWER INPUT - The LCR-3A is self-powered by the 120 VAC load circuit. No additional power supply is necessary. Connect the LCR-3A as showing in Figure 2 wiring diagram on Page 2. The LCR-3A is intended to be used for 120VAC load circuits.

METER CONNECTIONS (INPUT) - The LCR-3A 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. Connect the LCR-3A'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.

LOAD CONNECTIONS (OUTPUT) - The relay's output is a semiconductor thyristor (triac) type switch between the Black and White #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 120VAC. The contact is normally-open (NO) and is intended to drive the coil of another control relay with a 120VAC coil.

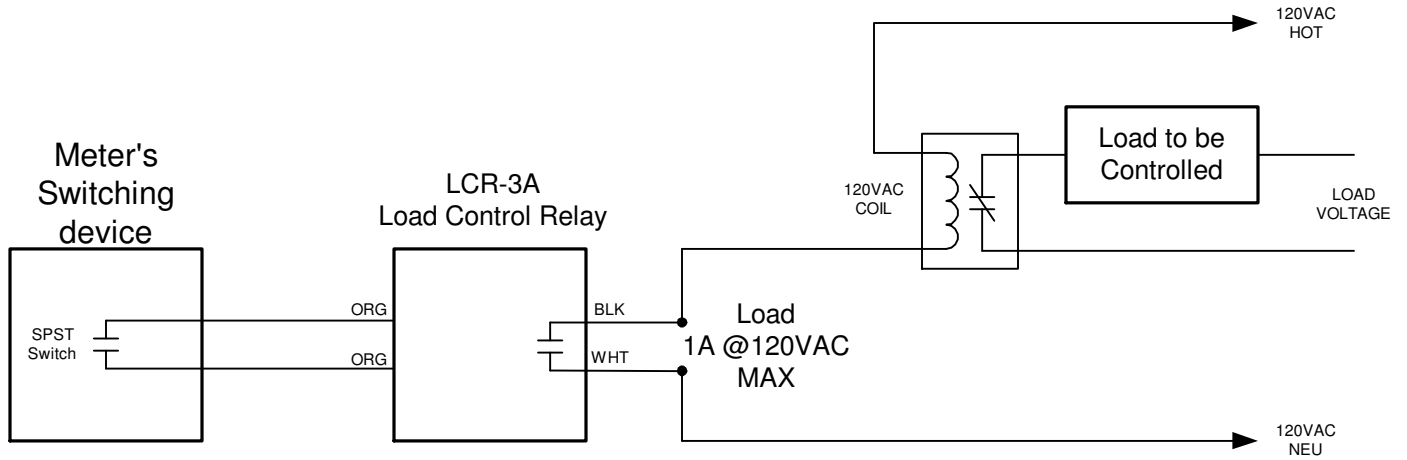
OPERATION - Upon the closure between the orange wires, the power relay's contacts will closed. When the circuit between the orange wires is broken, the relay's contacts will open.



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FIGURE 2: LCR-3A Wiring Diagram



LCR-3A Load Control Relay Wiring Diagram		REVISIONS		
		NO.	DATE	DESCRIPTION
DATE ORIGINAL	SCALE			
4/6/2012	N/A			
LATEST REVISION	JOB NO.	CHECKED	DRAWN	
			WHB	

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