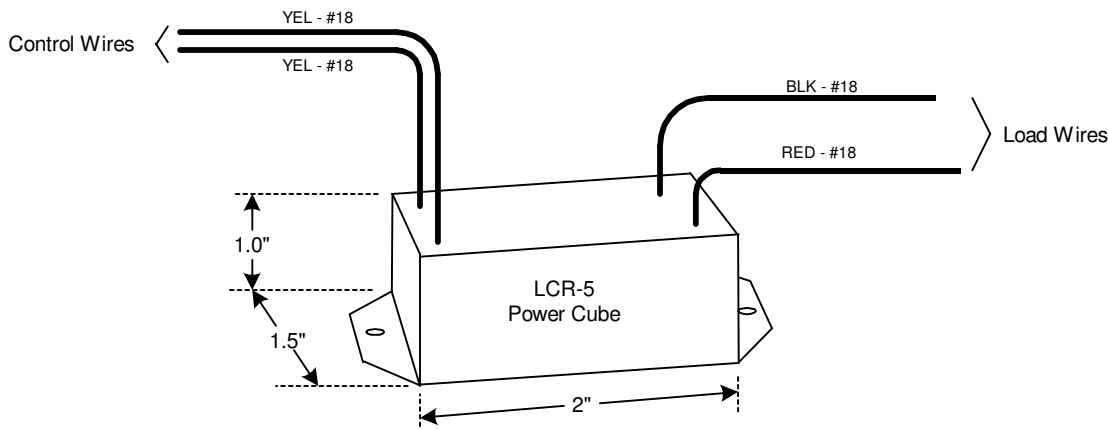


# 240V LOAD CONTROL RELAY INSTALLATION INSTRUCTION SHEET

FIGURE 1



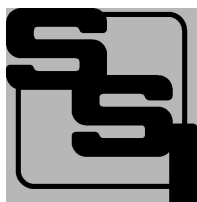
**MOUNTING POSITION** - The LCR-5 can be mounted in any position. The LCR-5's epoxy-potted design allows nearly any mounting configuration required. It is intended to be mounted inside a meter enclosure where it will not be directly exposed to the weather. The 2" x 1.5" x 1" form factor of the LCR-5 makes it ideal for mounting inside a tight meter enclosure with a high level of electrical insulation. The LCR-5 should be mounted or positioned such that the bottom side of the LCR-5 is up against and flush with an inside wall of the enclosure that does not get direct sunlight. This will assist with heat dissipation of the solid state switching element for a loads approaching the 1 amp rating. Two mounting tabs are provided for secure mounting.

**POWER INPUT** - The LCR-5 is powered from the load wires and does not require any separate power supply. Connect the LCR-5 as shown in Figure 2 wiring diagram.

**METER CONNECTIONS (INPUT)** - The LCR-5 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-5's control input leads (YEL) to the meter's dry contact output terminals. There is no polarity. Either yellow wire may be connected to either terminal of the meter's dry-contact output switch. This switch **MUST** be isolated. The nominal control voltage is suitable for meter dry-contact outputs rated for 120VAC.

**LOAD CONNECTIONS (OUTPUT)** - The relay's output is a solid state TRIAC type switch between the BLK and 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 voltage of 240 volts. The contact is normally-open (NO) and is intended to be inserted into a control circuit or load circuit up to 1 Amp.

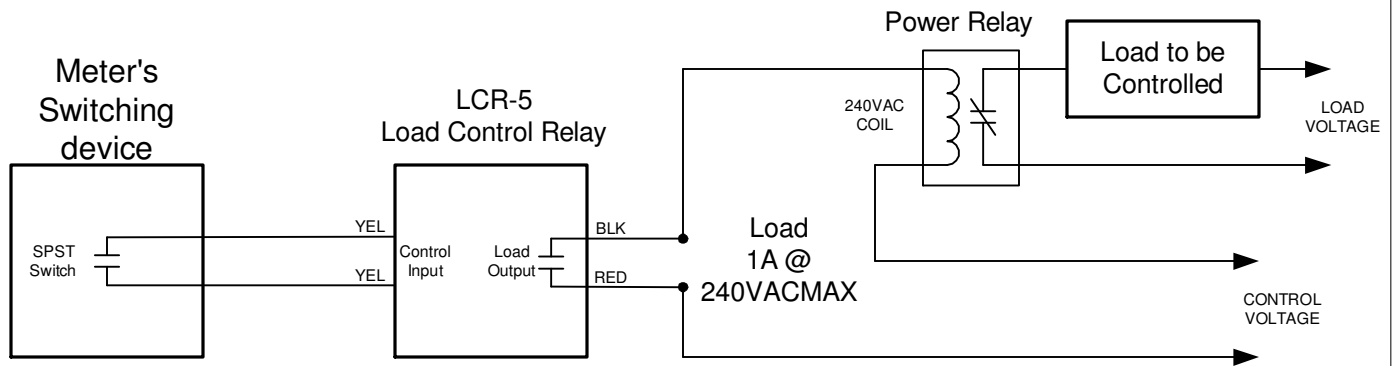
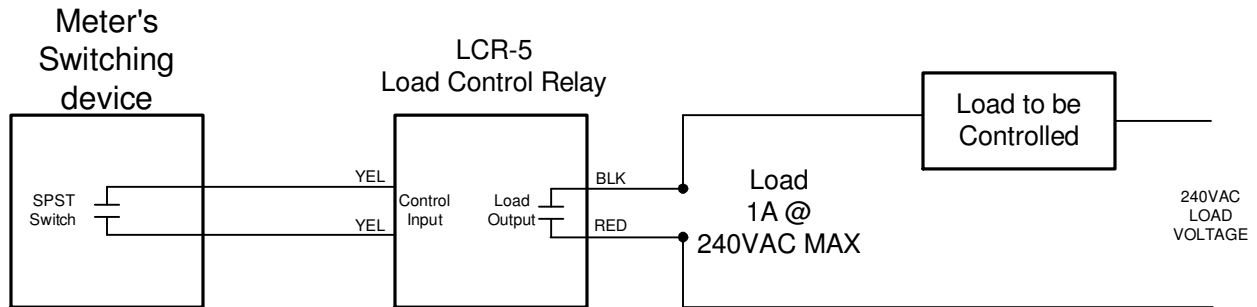
**OPERATION** - Upon the closure between the yellow wires, the power relay's contacts will close. When continuity between the yellow wires is broken, the relay's contacts will open.



## SOLID STATE INSTRUMENTS

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**FIGURE 2: LCR-5 Wiring Diagram**



LCR-5 Load Control Relay Wiring Diagram		REVISIONS	
		NO.	DATE
DATE ORIGINAL	SCALE		
1/2/2013	N/A		
LATEST REVISION	JOB NO.	CHECKED	DRAWN
			WHB

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