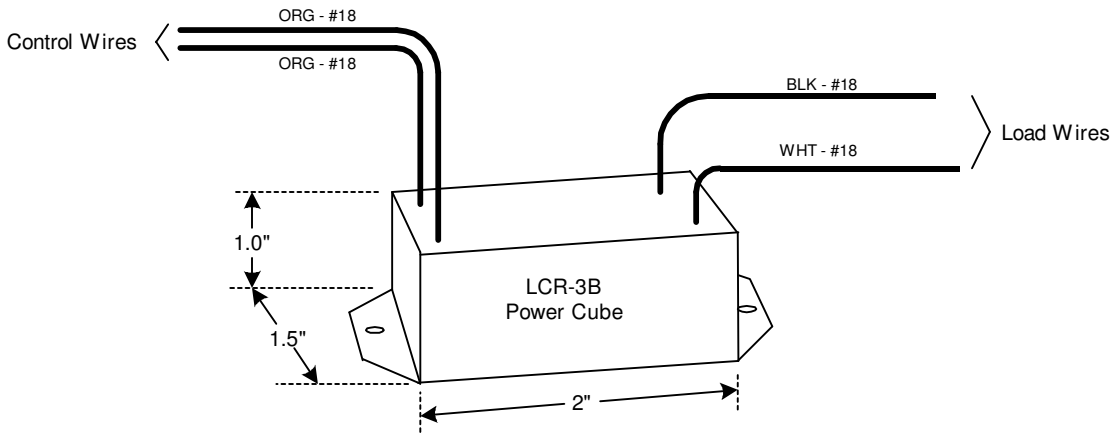
LCR-3B LOAD CONTROL RELAY INSTALLATION INSTRUCTION SHEET

FIGURE 1



MOUNTING POSITION - The LCR-3B can be mounted in any position. The LCR-3B's epoxy-potted design allows nearly 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-3B makes it ideal for mounting inside a tight meter enclosure with a high level of electrical insulation.

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

METER CONNECTIONS (INPUT) - The LCR-3B has a dry-contact input meaning that the control input wires simply need to be connected to or disconnected from each other to switch the load. Connect the LCR-3B'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 the "hot" 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, or the load directly 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.

SOLID STATE INSTRUMENTS
a division of Brayden Automation Corp.
6230 Aviation Circle, Loveland, Colorado 80538
Phone: (970)461-9600 Fax: (970)461-9605
E-mail:support@solidstateinstruments.com

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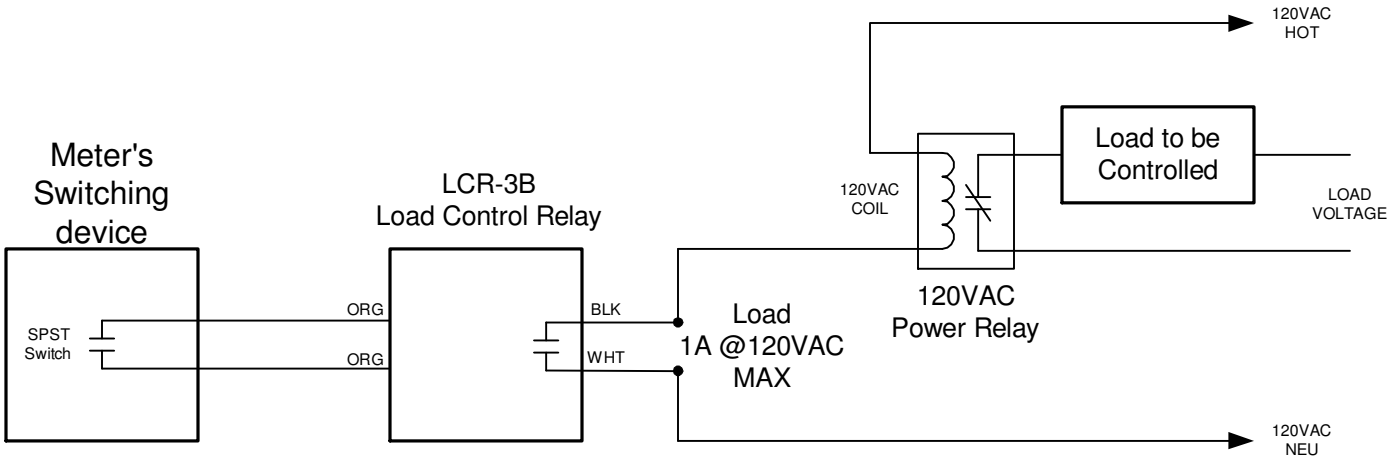
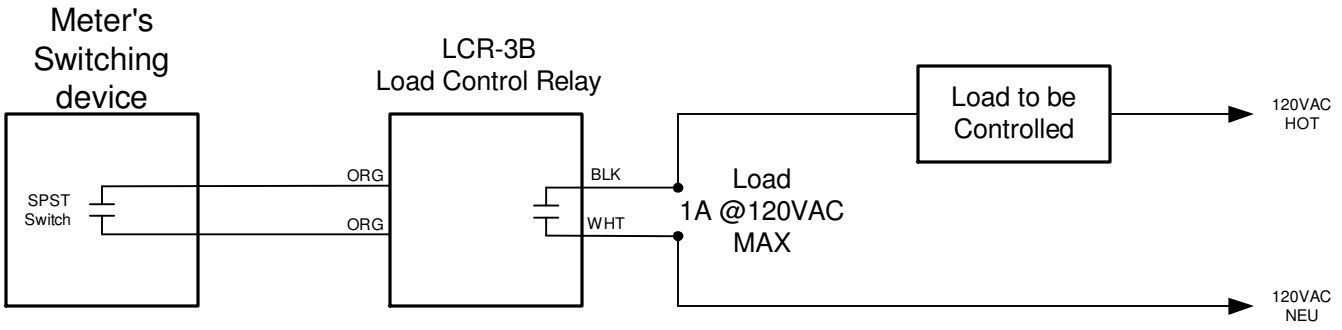
FIGURE 2: LCR-3B Wiring Diagrams

Controlling a Load - using intermediate power relay



Controlling a Load Directly - for loads of 1Amp or less



LCR-3B Load Control Relay Wiring Diagram		REVISIONS	
		NO. / DATE / DESCRIPTION	
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Brayden Automation Corp./
Solid State Instruments div.
6230 Aviation Circle
Loveland, CO 80538
(970)461-9600
(970)461-9205 fax
www.solidstateinstruments.com