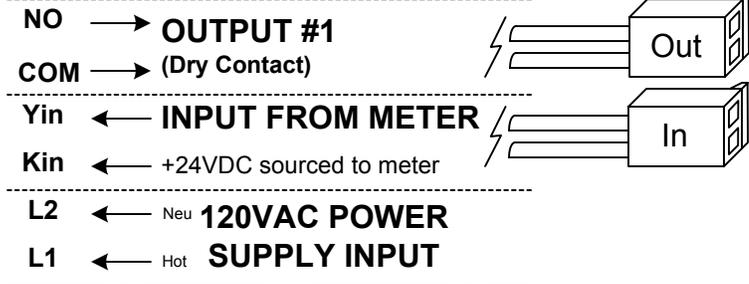
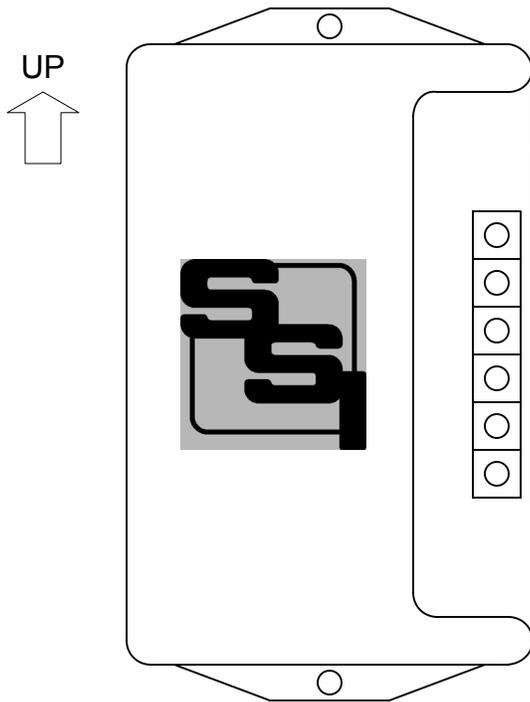


SPECIFICATION SHEET

LCR-1 INTERFACE RELAY



MOUNTING POSITION - The LCR-1 can be mounted in any position.

POWER INPUT - The LCR-1 should be powered by a AC voltage of between 90 and 150 volts. The "hot" lead should be connected to the L1 terminal and the neutral to the L2 terminal.

METER CONNECTIONS (INPUT) - The LCR-1's "Kin" and "Yin" input terminals connect to the meter's dry contact output terminals. The LCR-1's "Kin" terminal provides the return (ground) for the +24VDC relay coil voltage on the "Yin" terminal, which is switched by the meter's dry contact output.

FUSES - The fuses are type 3AG and may be up to 3 Amps in size. A 2 Amp fuse is supplied standard with the unit unless otherwise specified.

CUSTOMER CONNECTIONS (OUTPUT) - The relay's output is available on the COM (common) and NO (Normally Open) terminals. The relay output is rated up to 3 Amps at 250VAC/VDC. Arc suppression for the contacts of the relay is provided internally.

SOLID STATE INSTRUMENTS

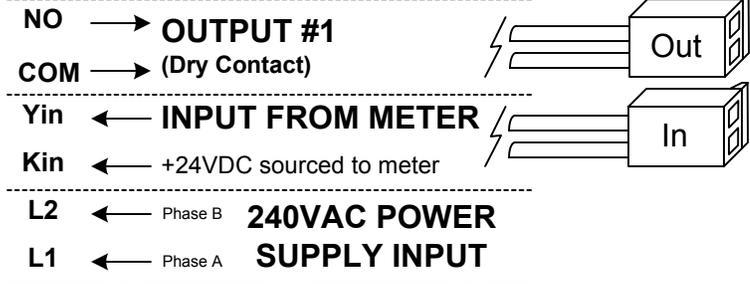
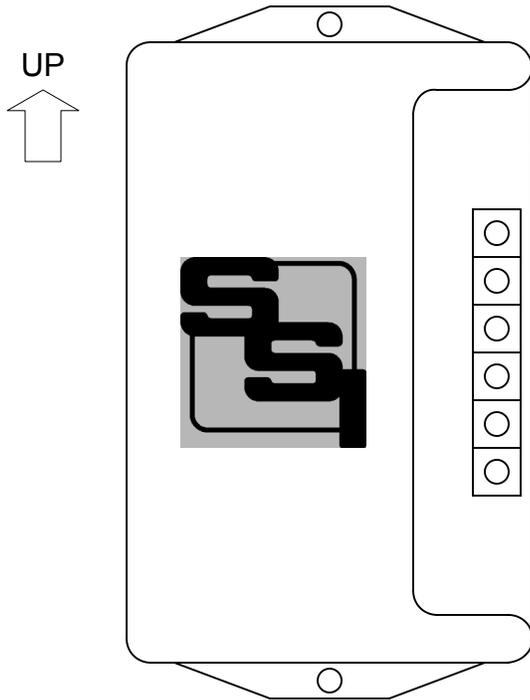
a division of Brayden Automation Corp.

1807 E. Mulberry St., Fort Collins Colorado 80524

Phone: (970)221-9200 Fax: (970)221-9208 E-mail: support@solidstateinstruments.com

SPECIFICATION SHEET

LCR-1 INTERFACE RELAY - 240VAC



MOUNTING POSITION - The LCR-1 can be mounted in any position.

POWER INPUT - The LCR-1 should be powered by a AC voltage of between 180 and 300 volts. Phase "A" lead should be connected to the L1 terminal and Phase "B" to the L2 terminal. Power leads are #18AWG Black.

METER CONNECTIONS (INPUT) - The LCR-1's "Kin" and "Yin" input terminals connect to the meter's dry contact output terminals. The LCR-1's "Kin" terminal provides the return (ground) for the +24VDC relay coil voltage on the "Yin" terminal, which is switched by the meter's dry contact output.

FUSES - The fuses are type 3AG and may be up to 3 Amps in size. A 2 Amp fuse is supplied standard with the unit unless otherwise specified.

CUSTOMER CONNECTIONS (OUTPUT) - The relay's output is available on the COM (common) and NO (Normally Open) terminals. The relay output is rated up to 3 Amps at 250VAC/VDC. Arc suppression for the contacts of the relay is provided internally.

SOLID STATE INSTRUMENTS

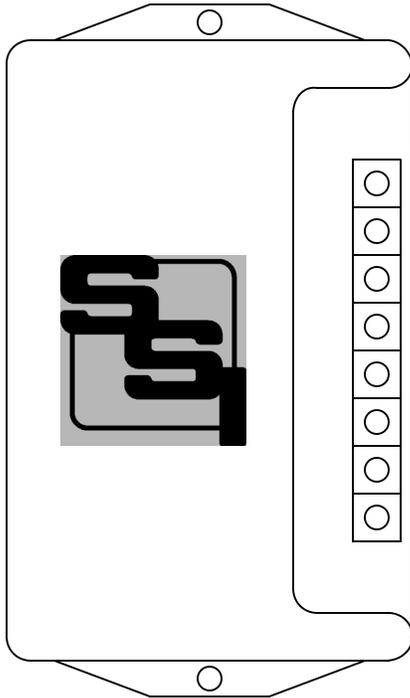
a division of Brayden Automation Corp.

1807 E. Mulberry St., Fort Collins Colorado 80524

Phone: (970)221-9200 Fax: (970)221-9208 E-mail: support@solidstateinstruments.com

INSTALLATION SHEET

LCR-1B INTERFACE RELAY



NC(optional)

NO → **OUTPUT**

COM → (Dry Contact)

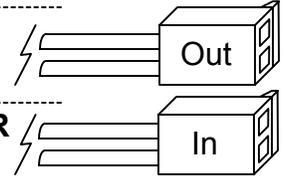
Yin ← **INPUT FROM METER**

Kin ← +24VDC sourced to meter

NEU ← Neu **120/208/240/**

L1 ← 120V **277VAC POWER**

L2 ← 277V **SUPPLY INPUT**



MOUNTING POSITION - The LCR-1B can be mounted in any position.

POWER INPUT - The LCR-1B is powered by a AC voltage of between 120 and 277 volts. For 120VAC operation, connect the neutral lead(WHT) to the NEU terminal and the "hot" lead(BLK) to the "L1" terminal. For 208-277VAC operation, connect one lead(BLK) to the NEU terminal and the other lead(BLK) to the "L2" terminal. When using the 208-277VAC configuration, the L1 terminal is not used.

METER CONNECTIONS (INPUT) - The LCR-1B's "Kin" and "Yin" input terminals connect to the meter's dry contact output terminals. The LCR-1B's "Kin" terminal provides the return (ground) for the +24VDC relay coil voltage on the "Yin" terminal, which is switched by the meter's dry contact output.

FUSES - The fuses are type 3AG and may be up to 3 Amps in size. The LCR-1B is supplied standard with a 2 Amp fuse unless otherwise specified.

CUSTOMER CONNECTIONS (OUTPUT) - The relay's output is available on the COM (common) and NO (Normally Open) terminals. The relay output is rated up to 3 Amps at 250VAC/VDC. Arc suppression for the contacts of the relay is provided internally by an RC "snubber" network. The Normally Closed (NC) Contact is optionally available.



SOLID STATE INSTRUMENTS

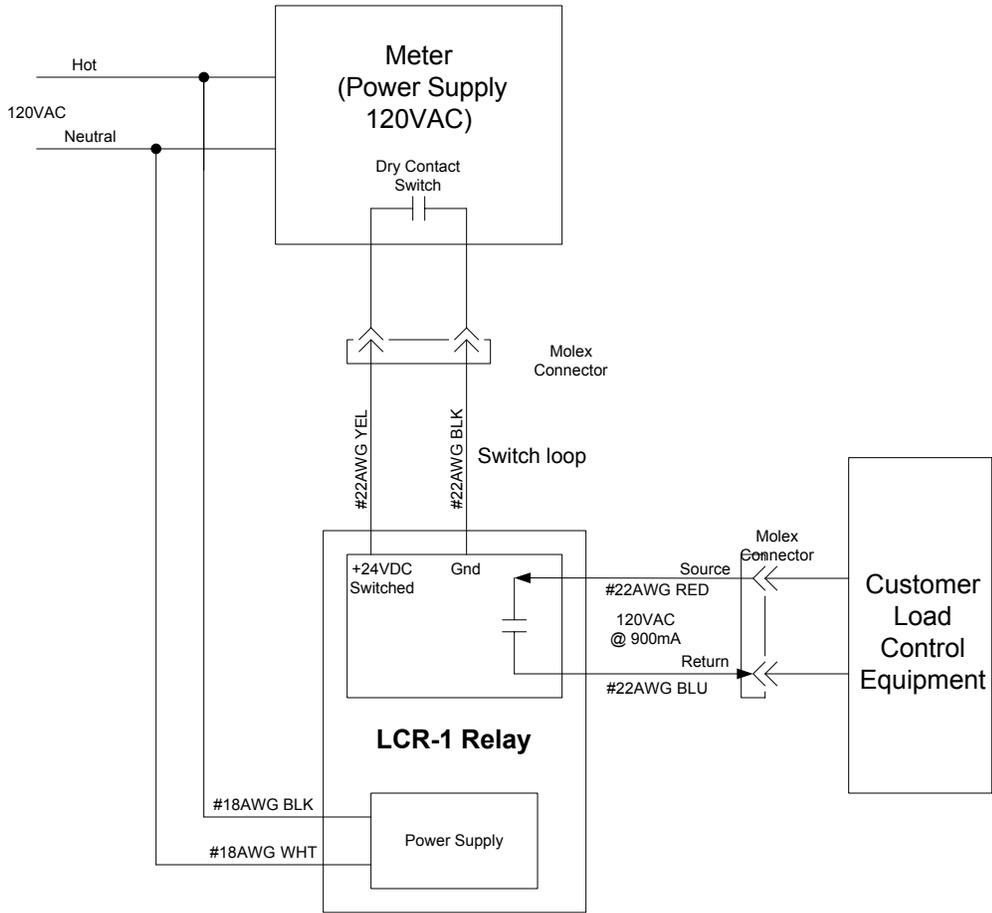
a division of Brayden Automation Corp.

6230 Aviation Circle, Loveland, Colorado 80538

Phone: (970)461-9600 Fax: (970)461-9605

E-mail: support@solidstateinstruments.com

LCR-1 Wiring Diagram



| | | | |
|----------------------|--|-----------|------|
| LCR-1 Wiring Diagram | | REVISIONS | |
| | | NO. | DATE |
| DATE ORIGINAL | | SCALE | |
| 6/10/03 | | N/A | |
| LATEST REVISION | | JOB NO. | |
| A | | CHECKED | |
| | | DRAWN | |
| | | WHB | |

Brayden Automation Corp.
1807 E. Mulberry St.
Fort Collins, CO 80524
(970)221-9200
(970)221-9208 fax
www.brayden.com