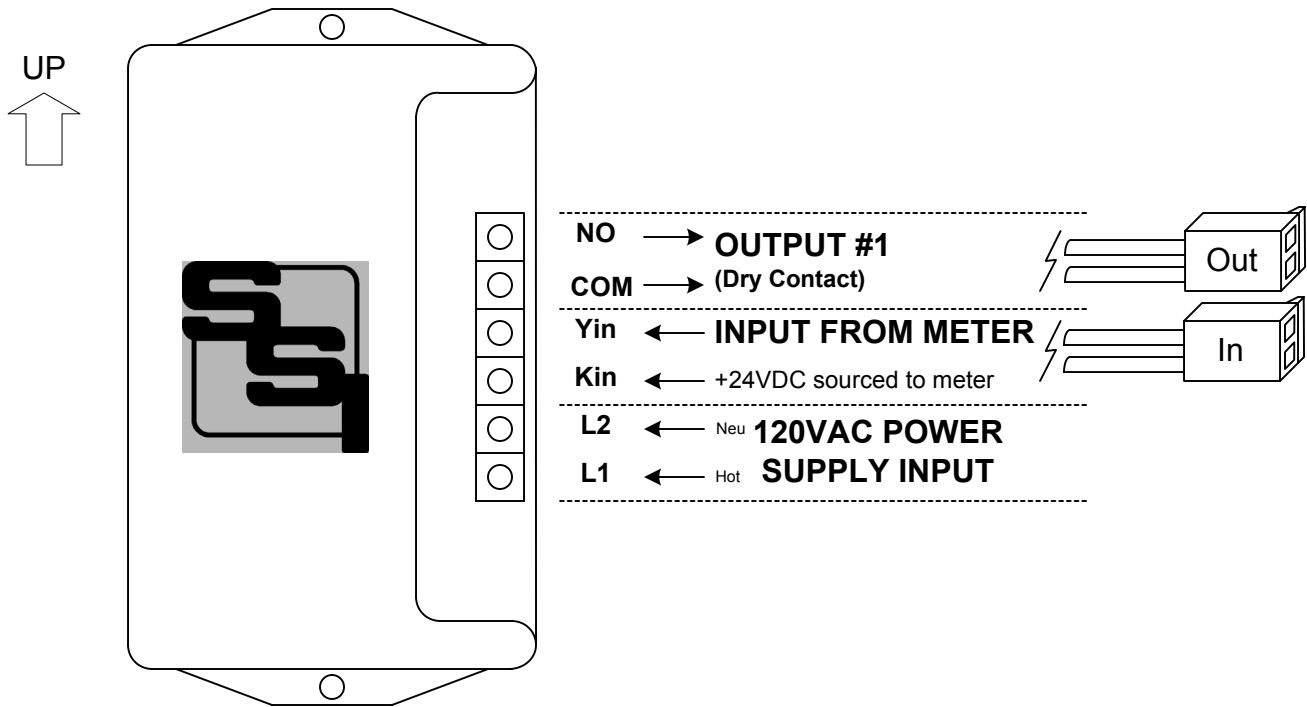


# SPECIFICATION SHEET

## 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

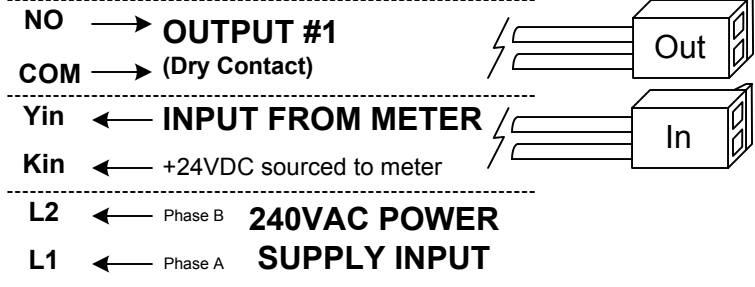
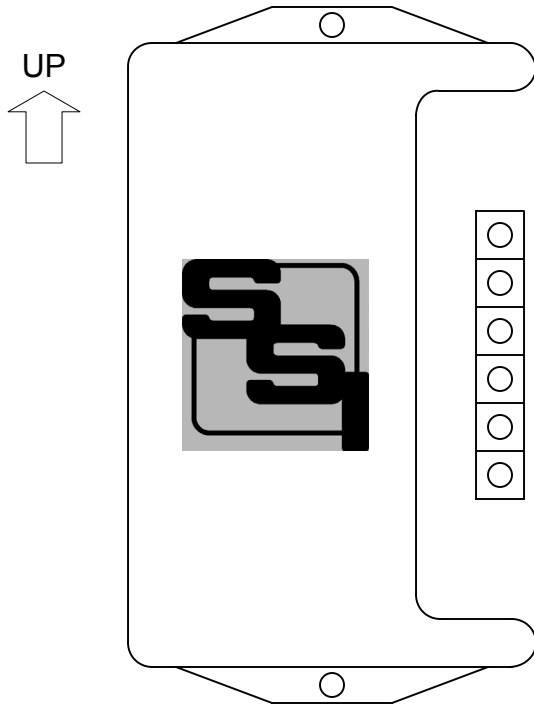
a division of Brayden Automation Corp.

1807 E. Mulberry St., Fort Collins Colorado 80524

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

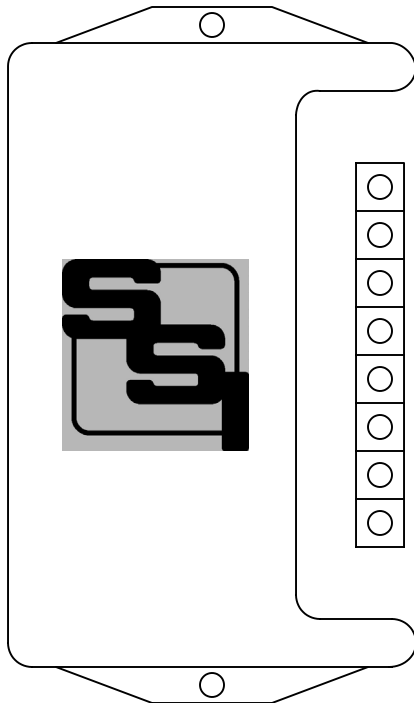
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Phone: (970)221-9200 Fax: (970)221-9208 E-mail: [support@solidstateinstruments.com](mailto:support@solidstateinstruments.com)

# INSTALLATION SHEET

## LCR-1B INTERFACE RELAY



NC(optional)

NO → **OUTPUT**

COM → (Dry Contact)

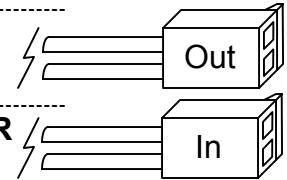
Yin ← **INPUT FROM METER**

Kin ← +24VDC sourced to meter

NEU ← Neu **120/208/240/**

L1 ← 120V **277VAC POWER**

L2 ← 277V **SUPPLY INPUT**



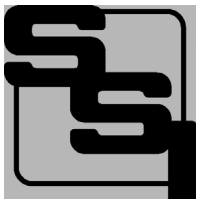
**MOUNTING POSITION** - The LCR-1B can be mounted in any position.

**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

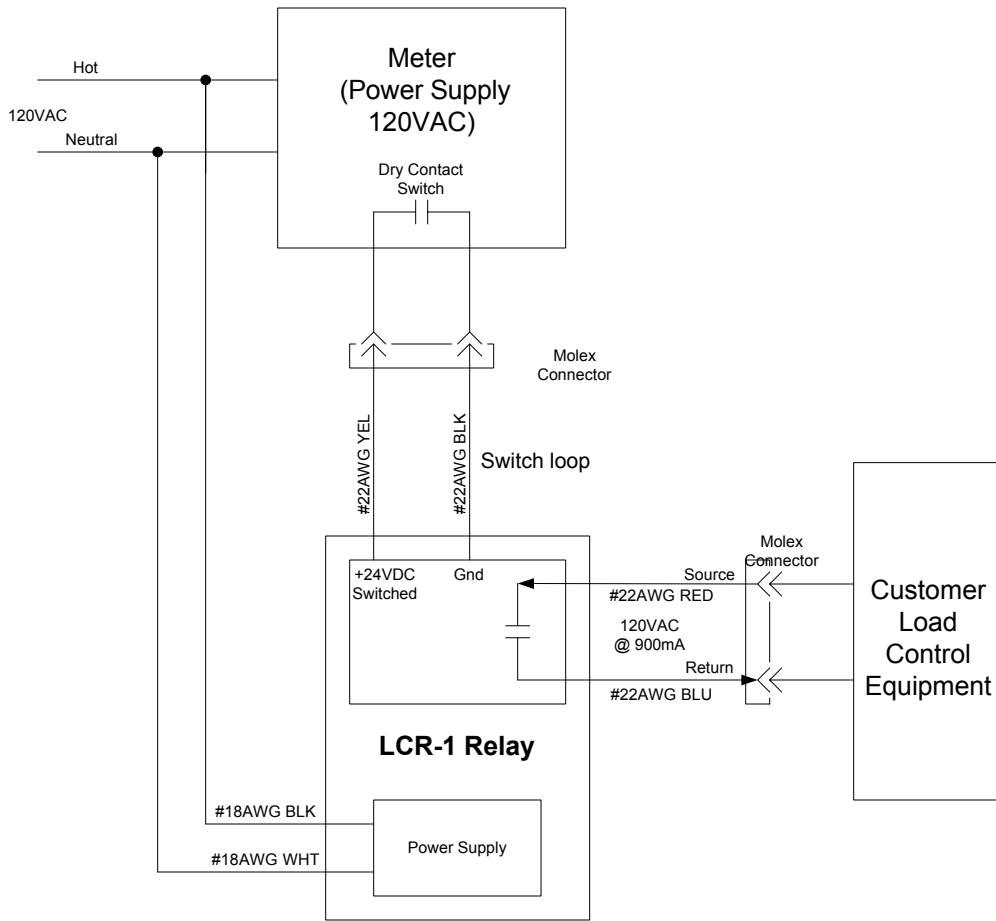
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# LCR-1 Wiring Diagram



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

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