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.

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Rev. 6/16/03
MOUNTING POSITION - The LCR-1 can be mounted in any position.

POWER INPUT - The LCR-1 should be powered by an 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.
MOUNTING POSITION - The LCR-1B can be mounted in any position.

POWER INPUT - The LCR-1B is powered by an 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.
LCR-1 Wiring Diagram

Meter (Power Supply 120VAC)

Dry Contact Switch

Molex Connector

Switch loop

Power Supply

#22AWG BLK
#22AWG YEL
#18AWG WHT

Molex Connector

Source #22AWG RED
120VAC
1807 E. Mulberry St.
Fort Collins, CO 80524
(970)221-9200
www.brayden.com
(970)221-9208 fax

Neutral

120VAC

Hot

#22AWG BLK

#22AWG BLU

+24VDC Switched

Gnd

#22AWG BLK

#18AWG BLK

#18AWG WHT

LCR-1 Relay

Gnd

#18AWG WHT

#22AWG BLU

#22AWG BLK

Dry Contact Switch

Customer Load Control Equipment

Switch loop

Power Supply