

Current Sensor CC15

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CC15



- ◆ U.L and U.L.C. Listed
- ◆ 15 Amp switching
- ◆ Designed for appliance control
- ◆ Used in environmental control and lighting systems
- ◆ Controlled with low voltage applications
- ◆ Custom programming options available



APPLICATION:

The GRI CC15 Current Controller is an automatic current switching device. This device was designed to be used primarily for switching appliance and lighting systems, such as area lighting, LED lighting and environmental control units. It operates by monitoring the state of a low voltage switch that can be placed in remote locations such as a door or window. Therefore the appliance can be controlled by an opening or closing of that door or window.

DESCRIPTION:

The GRI CC15 Current Controllers are 15 Amp general purpose relay circuits that can be controlled remotely with any normally open dry contact switch. It comes with an enclosure that can be attached to or into an approved electrical junction box. It also comes with connecting wires and hardware for connecting to a power source, an appliance load and for the remote switch (switch not included). The low voltage switch circuit for this device is an electrically isolated battery powered (battery included), with a microprocessor controlled input. It can be switched from remote locations up to 1000 feet away using low voltage wiring applications.

Part Numbers

CC15-230VAC	CC15-24VDC
CC15-115VAC	CC15-12VDC
CC15-24VAC	

OPEN LOOP SWITCH REQUIRED.

GRI has a complete line of open loop switches to meet your applications.

Specifications

High Voltage	
Contact Rating	15 Amp
Maximum Current	16 Amps
Coil Power	.76 VA (Typ)
Operating Temperature	-20° C to 70° C
Low Voltage	
Voltage	3 VDC
Max. Voltage	5 VDC
Supply Current	.25 uA(Typ)
Battery Life	Min. 5 years

WARRANTY: One year warranty against workmanship, material and factory defects.

GEORGE RISK INDUSTRIES, INC.
G.R.I. PLAZA
KIMBALL, NE 69145
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Made in U.S.A.

TOLL-FREE 1-800-445-5218
TOLL-FREE 1-800-523-1227
(308) 235-4645
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INSTALLATION INSTRUCTIONS:

NOTE: The installation of the GRI Current Controller must be performed by a licensed Electrician.

The GRI CC15-115 CC15-230 enclosure must be attached on to, or into a UL approved electrical junction box.

1. Remove plastic knock out

Determine the best knock out hole for the high voltage wires that provide the best fit when secured properly to the electrical junction box. Knock out the plastic using a large screw driver or needle nose pliers. Next remove plastic from top side of enclosure for the low voltage wires.

2. Install battery, circuit board, lid and pretest

Connect battery to circuit board (observing voltage polarity). Install conduit nipple through CC15 enclosure. Insert wires through the appropriate knock outs, and then attach the lid with the provided screws.

Pretest by simulating the on and off signal by connecting and disconnecting the two ends of the low voltage wires. Listen for a relay activation (clicking sound). If the relay cannot be heard, DO NOT INSTALL. Check the battery, return or contact manufacturer at 800-445-5218.

3. Attach CC15 enclosure to electrical junction box

CAUTION: Remove all power entering the electrical junction box before connecting or disconnecting the GRI CC15.

Attach boxes together using the supplied conduit nipple and lock nut.

4. Connect the circuit wires

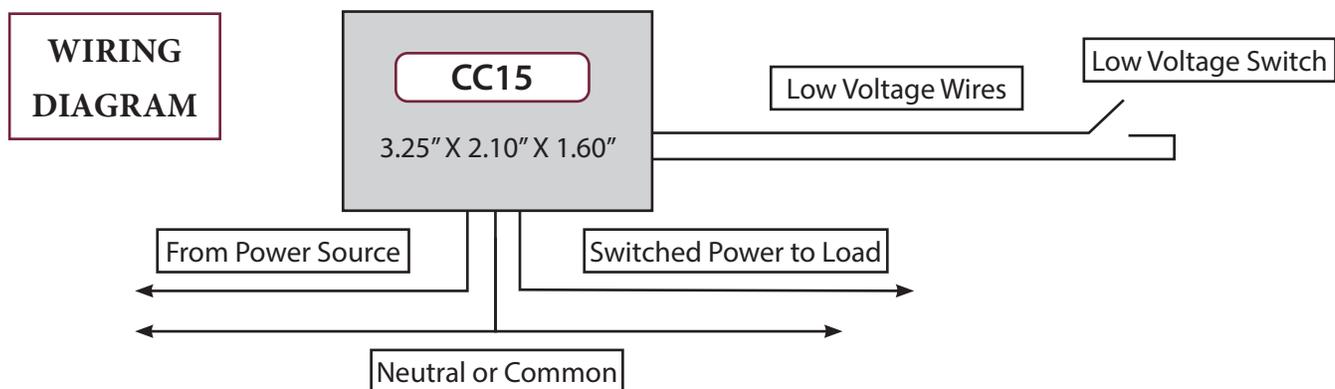
Attach the CC15 High Voltage wires cording with the diagram shown for each CC15 model number. Use the supplied wire connectors to make the connections.

The Low Voltage wires can then be attached to a normally open low voltage dry contact switch.

Contact Factory for optional input switching or programmable control 800-445-5218.

Reapply power to junction box and test for power at load with a switch closure.

NOTE: The installation of the GRI CC15-115 and CC15-230 must be performed by a licensed Electrician.



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