

GEH-4769 INSTALLATION INSTRUCTIONS

## 300-Line Indicating Light Kits CR305X350B

For NEMA Size 3 and 4

300-or 200-Line Starters and Contactors

**Caution:** Before installing in a nuclear application, determine that the product is intended for such use.

**Warning:** Disconnect power before installing or servicing.

### Tips on Use

The CR305X350B indicating light is designed for easy installation to a CR305, CR306, CR307, or CR308 magnetic starter or contactor. It provides a dependable, easy to see signal when the motor is in operation. The NE45 neon bulb used in this kit assures extra long life of the device on which it is mounted. For illustration of component parts, see Figure 1.

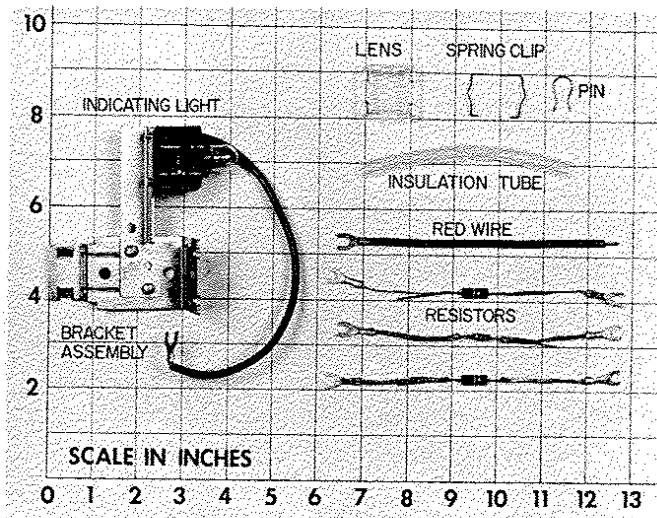


Figure 1. Component parts of CR305X350B indicating light

### Installation

If mounting on enclosed CR305, CR306, CR307, or CR308, loosen mounting screws from base plate of device and slide device up and out of enclosure.

1. Loosen coil retainer screws "C", Figure 2. Press against coil and pull up and out on coil retainers "A", Figure 2.
2. Pull bottom end of spring clip "B" forward and slide up and out of slot.
3. Remove movable magnet and slide out coil from the front.
4. Take molded arc chute cover and insert keyed end of bracket assembly into keyed slot at the top of the molded cover, see Figure 3.
5. Reassemble starter and insert spring clip "B" in from the bottom of the slot.
6. To wire indicating light in parallel with the coil, insert terminal end of red wire (connected to the bottom terminal of indicating light) into bottom coil terminal.

Connect for desired voltage as in steps (A) or (B) below.

- A. For 115 volt circuits, insert stripped end of red wire into the top terminal of indicating light. Place terminal end into top coil terminal.
- B. For 230V, 460V, and 575V circuits, run resistor, indicated in Table A, through insulation tube and install in same manner as resistor shown in Figure 2. Secure red wire or resistors in position by running it through pin.

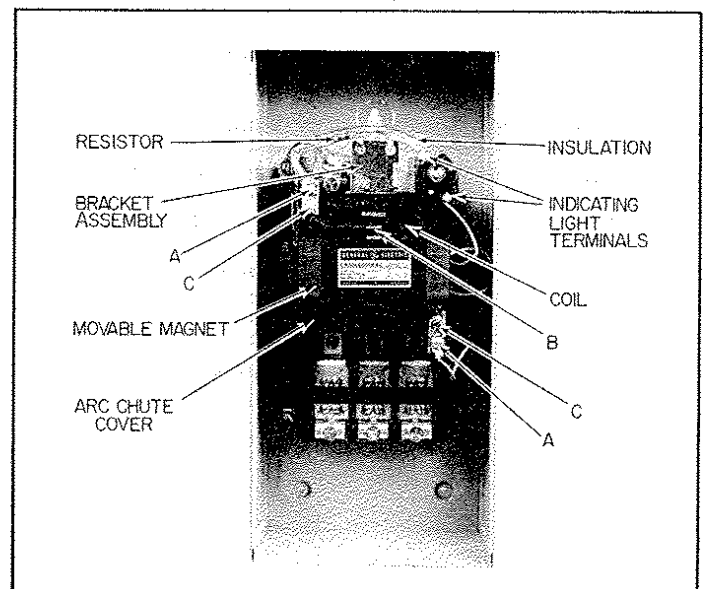


Figure 2. CR305X350B installed

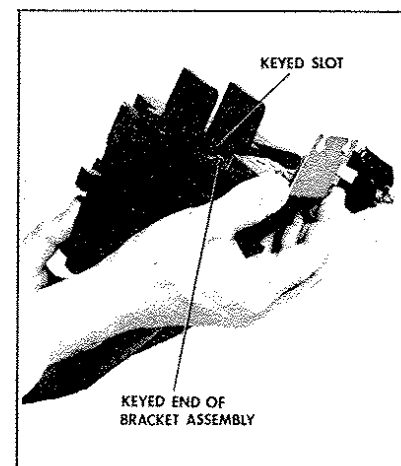


Figure 3. Installation of mounting bracket

7. Remove square knockout from cover of enclosure by placing blade of screwdriver at the bottom of the knockout and applying force from the front of the enclosure cover.
8. Insert lens from the front side of the enclosure cover with the two small holes for the wire spring clip at the top.
9. Insert the ends of the wire spring clip into the two small holes in the back of the lens (see Figure 4).
10. Swing wire spring clip flat against enclosure and snap into position.

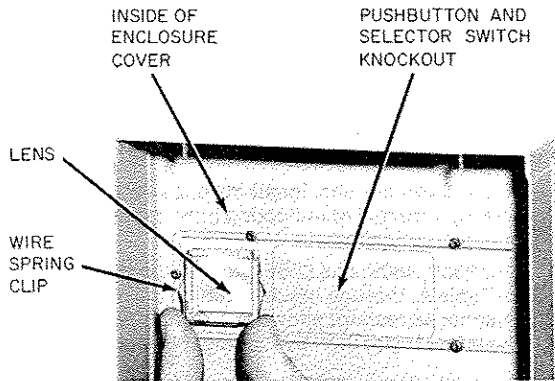


Figure 4. Installation of lens

### Connection Diagram

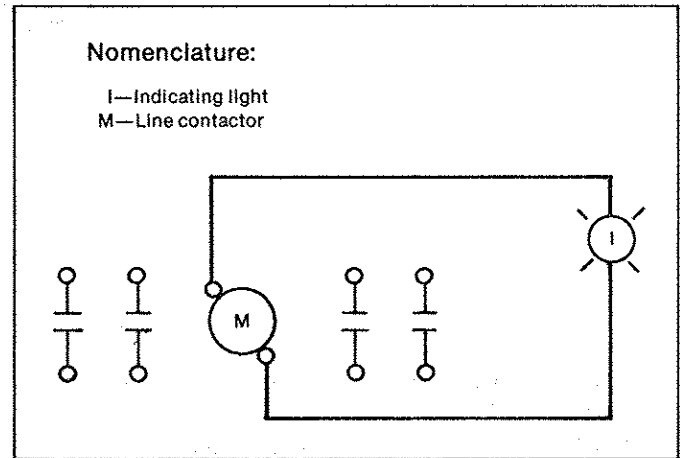


Figure 5. Connection diagram showing indicating light in control circuit

### Table A—Guide to selection of resistors

Voltage	Resistor Ohms	Resistor Markings
115	None	None
230	82,000	Gray, red, orange, silver
460	150,000	Brown, green, yellow, silver
575	220,000	Red, red, yellow, silver

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the Purchaser's purposes, the matter should be referred to the nearest ABB Sales Office.

ABB Inc.  
 305 Gregson Drive  
 Cary, NC 27511.

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB Inc. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB Inc.  
 Copyright© 2019 ABB  
 All rights reserved