GE Lighting Contactors – Enclosure Kits

Enclosure Kits for Lighting Contactor CR460 series – CR460XE1B, CR460XE1D, CR460XE2B, CR460 XE2D, CR460XE4D, and CR460XE8B

INTRODUCTION These enclosure kits are designed for use with the CR460 series lighting contactors. These kits enable field configuration of enclosed CR460 series lighting contactors.

⚠ WARNING !

HAZARDOUS VOLTAGE.
Disconnect all power before working on equipment.
Electrical shock will cause severe injury or death.

TENSION DANGEREUSE.
Coupez l'alimentation avant travailler sur le produit.
Electrocution peut causer de severes blessures ou la mort.

Installation (CR460 Series Lighting Contactor Kits)

Each lighting contactor kit comes with specific instructions for installation. This instruction outlines the kit locations inside of the enclosures as well as any enclosure specific instructions.

1. Refer to Table A for enclosure sizes and types.
2. To configure the NEMA 3R/12 enclosure for NEMA Type 3R use, remove the screw from the drain hole in the bottom of the enclosure.
3. Determine the appropriate wiring diagram to use for the application. These are summarized in Table B.
4. The available CR460 Series Lighting Contactor kits are shown in Table C. The Contactor locates in the top/center of the enclosure. Mount it to the baseplate with the 3 screws provided with the enclosure.
5. Make connections from the contactor to the terminal board per the wiring diagram.
6. The kits are designed so that the pilot lights mount in the top two holes provided, while the pilot devices are mounted in the bottom two holes. This is not mandatory, although it may make the wire routing simpler to do so. Remove the hole plugs as required, and install the pilot devices in the cover, using the appropriate nameplate and lens provided in the kit.
7. Wire the pilot devices and pilot lights to the terminal board as shown in the wiring diagram. Take care to route the wires in a neat, orderly fashion to the terminal board. The wire routing will be simpler if these connections are made along the outside edge of the terminal board. (Each terminal board location will accept 2 wires under each terminal clamp.)
8. If a remote pilot device is used in the control circuit, make the appropriate connections to the terminal board locations provided.
   The Control Power Transformer mounts below the contactor, with the secondary fuse to the left, and the Control Circuit Fuse holder mounts to the right of the contactor. Connect the wires from these devices to the terminal board as shown in the wiring diagram. When the CPT is used, remove the nut from the lower left baseplate stud, attach the ground wire (green) terminal over the stud, and re-secure the nut.
10. Once all connections have been made, use wire ties and self-adhesive locators to secure wiring in an organized fashion. Take care to leave slack in wire harness where it passes over the hinge.

NEMA Type	Kit Number	Size (in)			Provision for CPT	Provision for Pilot Device or Light
		Height	*Width*	*Depth*		
1	CR460XE1B	10	10	4.6	No	No
1	CR460XE1D	15	13	6.5	Yes	Yes
3R/12	CR460XE2B	10	10	5.5	No	No
3R/12	CR460XE2D	15	13	6.5	Yes	Yes
4/4X	CR460XE4D	15	13	6.5	Yes	Yes
1 Flush	CR460XE8B	12.8	8.7	5.7	No	No

Table – A

Type	Kit Number	Wiring Diagram
Electrically Held	CR460XP1, 2, 3, 4, and 5	55-537555
Mechanically Held	2-Wire Control with Coil Voltage same as Control Voltage	55-537556
Mechanically Held	3-Wire Control with Coil Voltage same as Control Voltage	55-537557
Mechanically Held	2-Wire Control with Coil Voltage different than Control Voltage	55-537558
Mechanically Held	3-Wire Control with Coil Voltage different than Control Voltage	55-537559

Table – B

Type	Kit Number	Instruction Sheet
Pilot Device	CR460XP1, 2, 3, 4, and 5	DEH-40452
Indicating Light	CR460XLBC, DC, BD, DD, BJ, DJ, BL, DL, BS, DS, BN, DN, BT, DT, BU, DU, BY, and DY	DEH-40453
CPT w/Control Circuit Fuse	CR460XTB, C, D, F, L, M, N, P, and S	DEH-40450
Control Circuit Fuse	CR460XF	DEH-40450

Table – C

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