

# Eaton 93PM Industrial Relay Card Wiring Isolation Bracket Installation Instructions

Use these instructions to install the Industrial Relay Card (IRC) using the high voltage wiring isolation bracket.

**NOTE**

Refer to the applicable UPS installation and operation manual supplied with UPS for minislot location, wiring requirements, and conduit landing plate locations. Refer to the IRC installation sheet supplied with the IRC for IRC terminal location, wiring requirements, terminal assignments, and operation.

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To install the IRC wire isolation bracket:

1. Remove the IRC cable bushing from the IRC.
2. Install the wiring isolation bracket (see Figure 1 and Figure 2) over the cable bushing hole in the IRC front plate, aligning the small hole in the bracket with the Minislot card mounting hole and reinstall the bushing.

To install the IRC:

**NOTE**

Install the IRC starting with the right most minislot. Additional IRCs should be installed to the left of the first card without using the isolation bracket. Low voltage cards would be installed starting from the left slot.

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1. If not already opened, open the front door by lifting the latch from the bottom and turning to the right (counterclockwise) and swing the door open.
2. If wiring a minislot card from the bottom of the UPS, proceed to Step 7; otherwise, proceed to Step 3.
3. Remove the top interface entry conduit landing plate to drill or punch holes.
4. Reinstall the interface entry plate and install the conduit.
5. Before installing the IRC in the minislot, route the IRC wiring through the top interface entry conduit landing plate, high voltage isolation wireway, and IRC cable bushing to the terminals. See Figure 3 and Figure 4 for IRC location and wiring routing path.
6. Proceed to Step 12.
7. Remove the bottom interface entry conduit landing plate to drill or punch holes.
8. Reinstall the interface entry plate and install the conduit.
9. Route the IRC wiring through the bottom interface entry conduit landing plate and up the front center of the dead front to minislot communication bays.
10. Before installing the IRC in the minislot, route the wiring through the IRC cable bushing to the terminals. See Figure 3 and Figure 4 for IRC location and wiring routing path.
11. Secure the wiring to the front of the fan grills with wire ties.
12. Connect the IRC wiring to the appropriate terminals. Refer to the IRC installation sheet supplied with the IRC for terminal assignments and the Communication chapter in the applicable UPS installation and operation manual for default trigger assignments.
13. Remove three screws securing the cabinet stiffener bar (see Figure 2) and remove the bar. Retain bar and screws for later use.
14. Install IRC into the minislot and secure with screws.
15. Secure the right end of the bracket with provided screw (see Figure 2).

16. Secure IRC wires to the high voltage wire tie anchor (see Figure 4).
17. Secure all low voltage wiring the low voltage wire tie anchors (see Figure 4).
18. Reinstall the cabinet stiffener bar and secure with removed screws.
19. Close the UPS outside door and secure the latch

### For More Information

Refer to the *Eaton 93PM UPS (20-50 kW, 480V – 50 kW Frame) Installation and Operation Manual*, the *Eaton 93PM UPS (20-100 kW, 480V – 100 kW Frame) Installation and Operation Manual*, the *Eaton 93PM UPS (20–150 kW, 480V – 150 kW Capacity Frame) Installation and Operation Manual*, or the *Eaton 93PM UPS (20-200 kW, 480V – 200 kW Frame) Installation and Operation Manual* for the following additional information:

- Safety information, Minislot locations and connections, interface wiring information, and detailed illustrations of cabinets with dimensional drawings

Visit [www.eaton.com/powerquality](http://www.eaton.com/powerquality) or contact an Eaton service representative for information on how to obtain copies of these manuals.

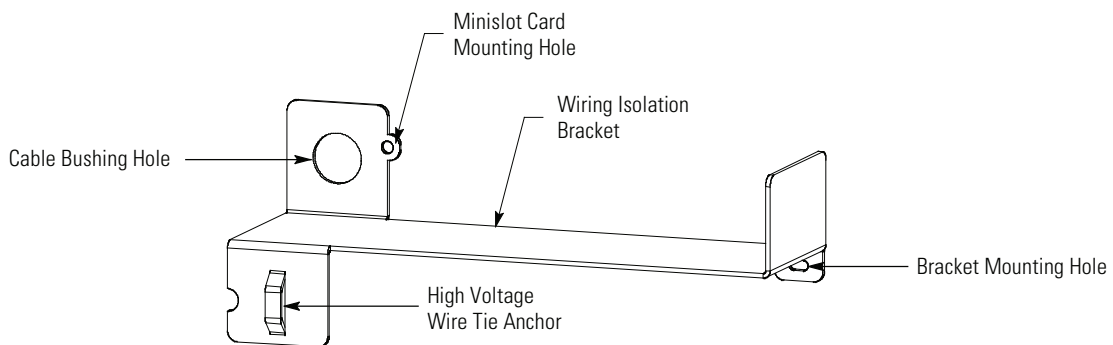
### Getting Help

If help is needed with any of these instructions, please call the **Customer Reliability Center** at:

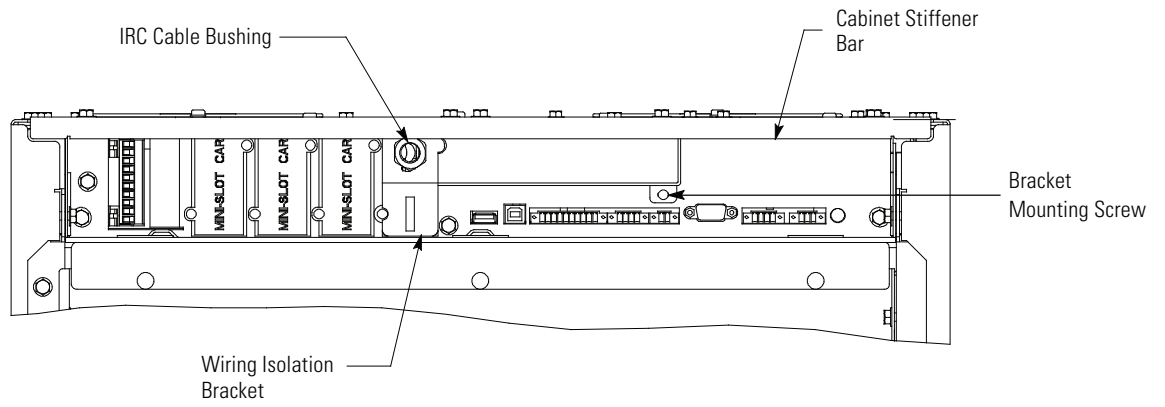
United States:	<b>1-800-843-9433</b>
Canada:	<b>1-800-461-9166 ext 260</b>
All other countries:	<b>Call your local service representative</b>

Please use the following e-mail address for comments, suggestions, or to report an error in these instructions:

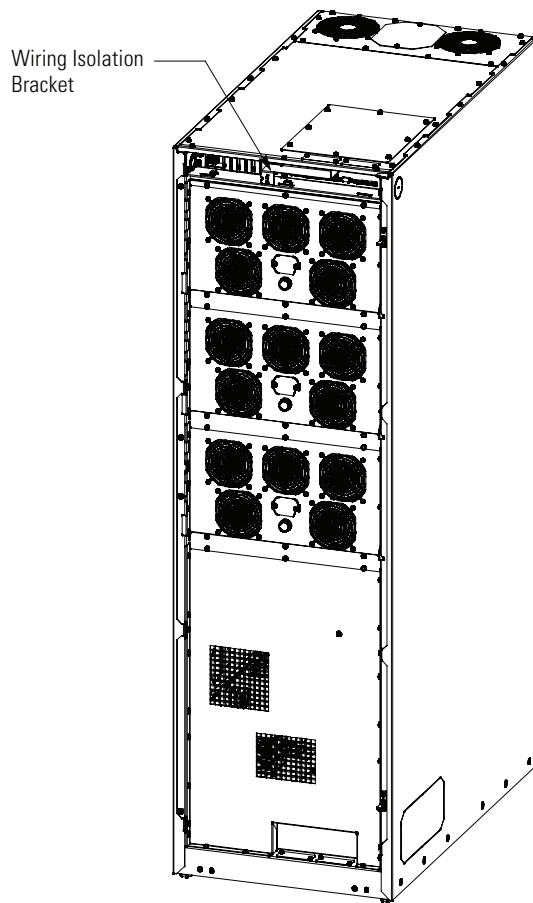
**E-ESSDocumentation@eaton.com**



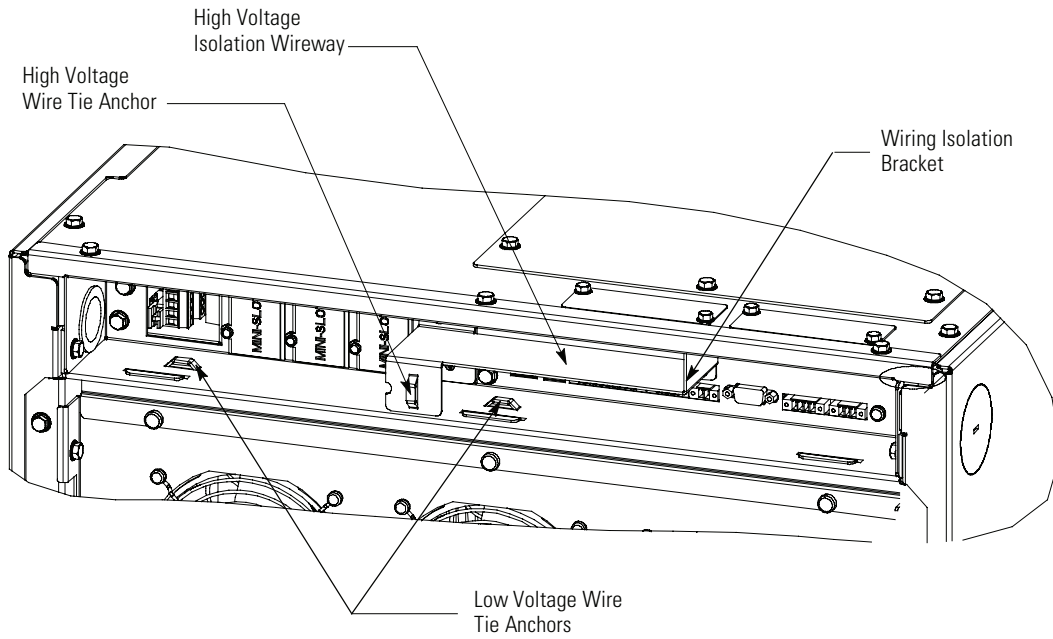
**Figure 1. IRC Wiring Isolation Bracket**



**Figure 2. IRC Cable Bushing**



**Figure 3. IRC Wiring Isolation Bracket Location**



**Figure 4. IRC Wiring Isolation Bracket Detail**

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