

# Industrial Relay Card-MS (INDRELAY-MS)

P-164000296

(This guide applies only to P-116000059 rev003 cards)



Powering Business Worldwide

## Quick Start Guide

The Industrial relay Card-MS (INDRELAY-MS) provides a simple way to remotely input UPS information to an alarm system, PLC or a computer system via dry contacts. It offers five isolated dry contact outputs and one isolated dry contact input.

Relays K1 through K5 are identical in function. In some UPS each output contact function can be assigned by the customer. Please refer to the UPS manual for details.

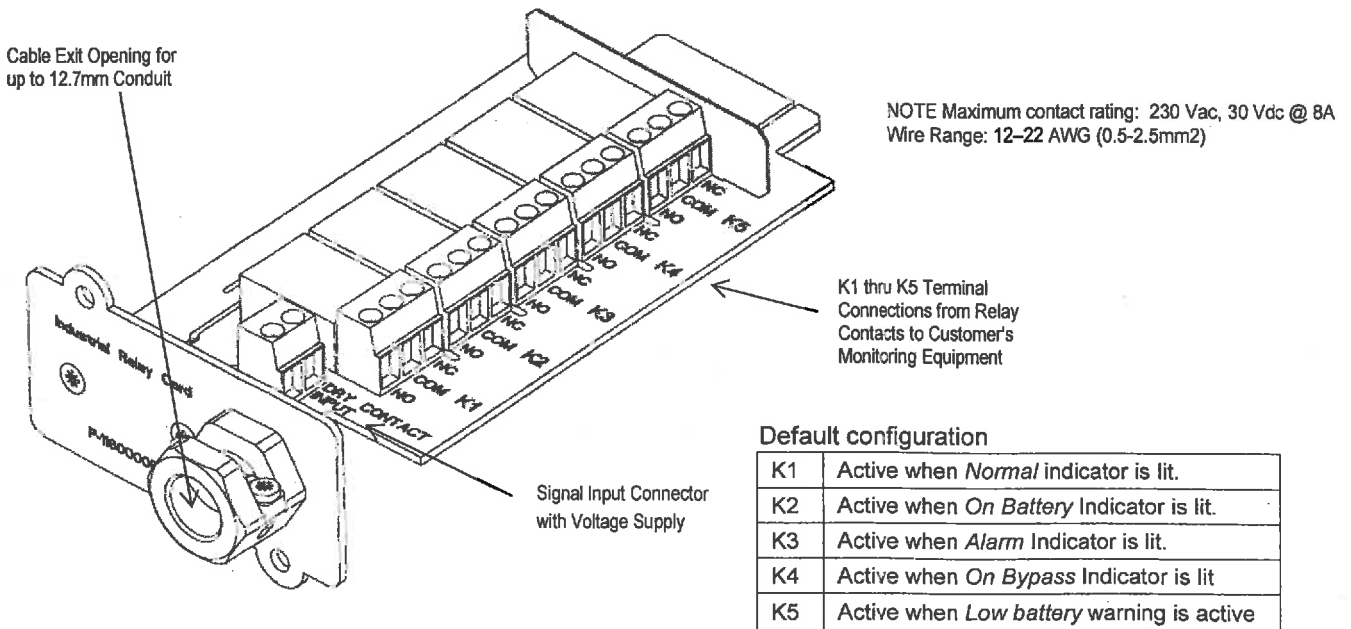
### To Install the INDRELAY-MS:

1. Verify that the ancillary equipment system is turned off and all power sources are removed. Refer to the appropriate ancillary equipment operation manual for shutdown instructions.
2. Install wiring from the card to the monitoring equipment using appropriate conduits through the cable exit opening in the cover plate of the card.

3. Connect wiring between the card's terminal blocks and the customer's monitoring equipment using terminations. Connect one wire to COM (Common) and another to either NC or NO to select the Normally Open or Normally Closed option.
4. Install the card into an open MiniSlot communication bay in the UPS. Refer to the appropriate UPS installation and operation manual for the location of the MiniSlot bays.
5. To check the operation of the INDRELAY-MS, ensure that the UPS system is supplying the load via inverter or bypass. Refer to the operation section of the appropriate UPS installation and operation manual for operating instructions and output configuration.

If the indicators on the monitoring equipment show the appropriate status, then it is operating correctly.

If the INDRELAY-MS is not operating correctly, check the wiring and the connections for proper seating. If all connections are secure but the card still does not operate correctly contact your Eaton service representative.



## DANGER

This card may contain LETHAL VOLTAGES. All repairs and service should be performed by AUTHORIZED SERVICE PERSONNEL ONLY. This card is not user serviceable.