

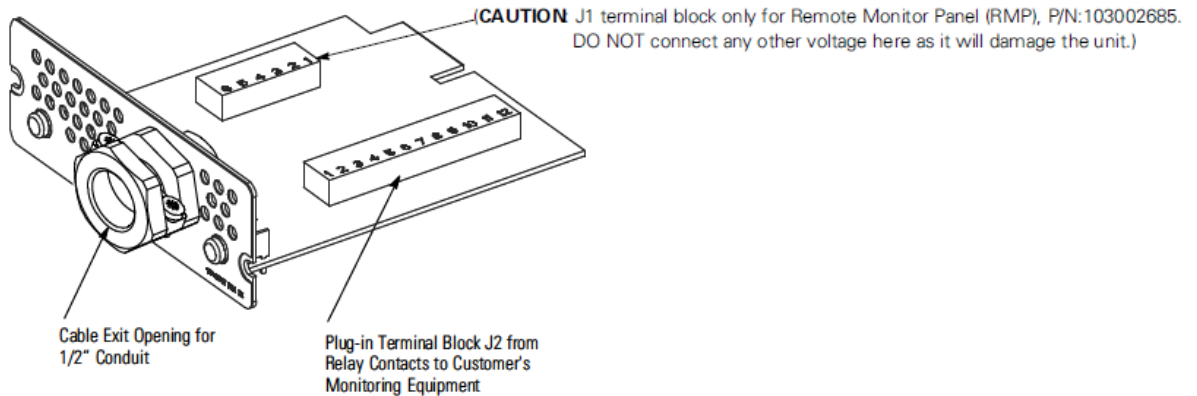
Industrial Relay Card (IRC)

164201433 Rev C00



Powering Business Worldwide

The Industrial Relay Card (IRC) indicates the operating status of the UPS system using the customer's monitoring equipment.



To install the IRC:

1. Verify that the UPS system is turned off and all power sources are removed.
Refer to the operation section of the appropriate UPS installation and operation manual for shutdown instructions.
2. Install wiring from the IRC to the customer's monitoring equipment using 1/2" conduit through the cable exit opening in the IRC.
3. Connect wiring between the IRC plug-in terminal block J2 and the customer's monitoring equipment using the terminations shown in Table 1.
4. Install the IRC into an open X-Slot communication bay on the UPS cabinet.
Refer to the appropriate UPS installation and operation manual for the location of the X-Slot communication bays.
5. To check the operation of the IRC, ensure that the UPS system is supplying the load via the inverter or bypass.
Refer to the operation section of the appropriate UPS installation and operation manual for operating instructions.
If the indicators on the customer's monitoring equipment show the appropriate status, then the IRC is operating correctly.
If the IRC is not operating correctly, check the wiring, the fuse on the IRC, and the plug-in terminal block for proper seating. If all connections are secure but the IRC still does not operate correctly, replace the fuse. If this does not correct the problem, contact your service representative for verification that the IRC is working correctly.

The IRC uses four isolated normally-open or normally-closed dry relay contacts to indicate the UPS status as listed in Table 1.

Table 1. IRC Wire Terminations

IRC Terminal	Function	Remarks
J2-1	NC	
J2-2	COM	Normal Mode
J2-3	NO	
J2-4	NC	
J2-5	COM	Bypass Mode
J2-6	NO	
J2-7	NC	
J2-8	COM	Alarm Mode
J2-9	NO	
J2-10	NC	
J2-11	COM	Battery Mode
J2-12	NO	

NOTE: Maximum contact rating: 250 Vac, 30 Vdc @ 5A
Wire Range: 16–24 AWG



WARNING

This card might contain lethal voltages. All repairs and service should be performed by authorized service personnel only. This card is not user serviceable.

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