

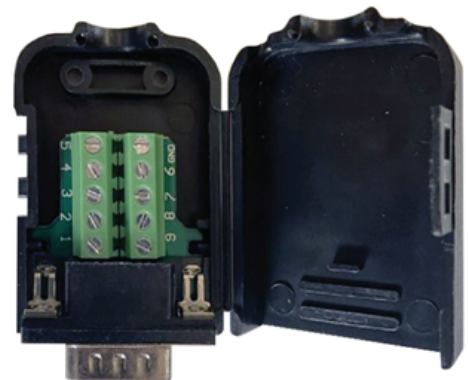
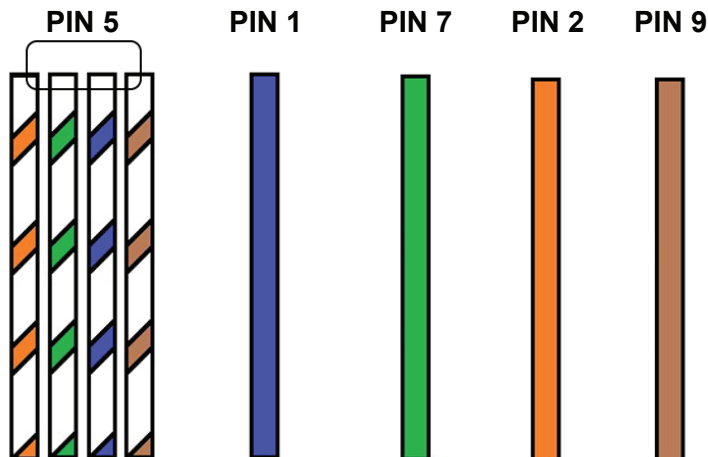
**Relay Control Card**  
**Part #: 2500-LUPSM**

1. On the back of RP7701500, locate the “Expansion Port” and unscrew the two screws holding the cover in place.



2. Insert the Relay Control Card from the 2500-LUPSM into the Expansion Port and screw into place.
3. Plug the serial side of the supplied DB9 cable into the Relay Control Card.
4. Use pigtail wires to connect the 2500-LUPSM to monitoring device or fire panel. Each pair monitors a different fault. See **Chart 1** for function.

**Note:** All pairs will be Normally Open and Close when in a fault.



**Chart 1:**

Pin Assignment	Function	I/O
Pin 1	UPS Fault	O/P
Pin 2	Summary Alarm	O/P
Pin 5	Common (For Relays)	O/P
Pin 7	Battery Low	O/P
Pin 9	Utility Line Fail	O/P

**APPENDIX A: Relay Control Card RELAYIO500**

**Function Description:**

Status	Condition
Blue Pair Pin 1 to Pin 5	UPS Fault (Inverter Fault / DC Bus Fault / Over Temperature / Output Short / Battery Over Charge / Battery Test Fail 1 / Fan Error 1)
Orange Pair Pin 2 to Pin 5	Summary Alarm (Inverter Fault / DC Bus Fault / Output Short / Over Temperature / Over Load / Battery Missing / Battery Over Charge / Battery Low / Wiring Fault / Runtime Low 2 / Battery Test Fail 1 / Load Over Setting Level 1 / Fan Error 1)
Green Pair Pin 7 to Pin 5	Battery Low
Brown Pair Pin 9 to Pin 5	Utility Line Fail (AC Power Loss / Ground Fault / External AC Failure)

**NOTE: Battery missing only monitors battery in base unit, not add on battery packs.**