RPC THE INDUSTRY'S MOST COMPLETE SELF-CONTAINED ELECTRICAL CONTROL PANEL

CONTACT CLOSURE SETUP QUICK START GUIDE

Using a standard LynTec SS-2 Switch Set with illuminated ON switch.

(For other types of switches, consult chapter 4 of the instruction bulletin for wiring diagrams.)

- 1) Complete all steps in the "RPC Quick Start Guide"
- **2)** Confirm that RPC panel and any secondary panels are connected to the controller as indicated in the "RPC Master/Secondary Quick Start Guide" bulletin.
- **3)** Wire the ON switch to a digital I/O port on the left edge of the Controller board as follows:
 - A. Connect the 24VDC Common (center terminal of the I/O port) to the C pin of the ON switch.
 - B. Connect the Input terminal (arrow pointing towards header) to the NO pin of the ON switch.
 - C. Connect the Output terminal (arrow pointing away from header) to the pin of the ON switch.
 - D. Connect a jumper between the C pin and the + pin of the ON switch.
- **4)** Wire the OFF switch to the next consecutive digital I/O port on the left edge of the Controller board as follows:
 - A. Connect the 24VDC Common terminal to the C pin of the OFF switch.
 - B. Connect the Input terminal to the NO pin of the OFF switch
- **5)** On the RPC web page, go to the contact closure page. (Setup—Contact Closures)



Note: Ports 1 & 6 are reserved for emergency functions

- 6) Configure the digital I/O port:
 - A. Rename each contact closure as desired
 - B. Click the M (merge) button at the right side of the first of the two ports used. The name box and M button in the second port should turn gray and the Action selections should default to Momentary NO (normally open).
 - C. Ensure that both of the Action selections for both ports are set to Momentary NO.
 - D. Click the "Save Changes" button at the top if the Onboard I/O box.

| | | | | | Status Control Setup Support Event Log | | | | Logout | | | |
|----------------|---------------------|----------------|-------|----|---|--------------------|-------|----|---------------|--------------------|-------|--|
| Setup Home | | | | | Network Protocols Panels Schedules Contact Closures | | | | | | | |
| | | | | | | | | | | | | |
| Cours Observer | | | | | IOR Module #1 | | | | IOR Module #2 | | | |
| L | Save Changes | | | | Name | | Merge | h | Name | Action | Merge | |
| F | Onboard | | | | 1 SwSet7 | | | | On/Off toggle | Momentary Toppie | M | |
| Н | Name | Action | Merge | 11 | 1 SwSet/ | Momentary N.O. V | | 23 | Oh/Off toggle | Momentary Toggle 💙 | , M | |
| 1 | 1 Emergency Shutoff | Maintain N.O. | 1 | 8 | 2 CC 8 | Momentary N.O. V | Μ | 24 | 2 CC 24 | Momentary Toggle 💙 | Μ | |
| 2 | 2 SwSet2 | Momentary N.O. | U | 9 | 3 SwSet9 | Momentary N.O. 🗸 | U | 25 | CC 25 | Momentary Toggle 💙 | M | |
| 3 | 3 CC 3 | Momentary N.O. | Μ | 10 | 4 CC 10 | Momentary N.O. ¥ | Μ | 28 | CC 26 | Momentary Toggle 💙 | Μ | |
| 4 | 4 SwSet4 | Momentary N.O. | U | 11 | 5 CC 11 | Momentary Toggle 🗸 | M | 27 | CC 27 | Momentary Toggle 💙 | M | |

omentary Toggle

Momentary Topple

Momentary Toggle 💉 🕅

M

7) Assign the contact closure to a zone in the "Panel" (SETUP=>PANELS) screen:

CC 12

CC 13

148 CC 14

A. In the ZONE CONTROL box under "CC/Schedule", choose which contact closure to assign to any zone using the drop down box.

Iomentary Topple

Momentary Toggle

CC 28

CC 29

308 CC 30

- B. Enable the zone by selecting Sequenced or Grouped operation under "Name/Seq".
- C. Save changes.

CC 5

Emergency Lighting

8) Verify proper operation of your Switch Set:

Momentary N.O.

Nomentary Toggle

- A. Press the ON switch. Breakers in the selected zone should immediately begin actuating.
- B. The ON indicator should flash steadily until all of the breakers are in the on state.
- C. When the zone has completed, the ON indicator should remain constantly lit.
- D. Press the OFF switch. Breakers in the selected zone should immediately begin actuating.
- E. The ON indicator should flash steadily until all of the breakers are in the off state.
- F. When the zone has completed, the ON indicator should remain constantly dark.

Note: When using two illuminate pushbuttons the OFF indicator will remain constantly lit when the zone has completed. (OFF indicator will extinguish immediately when ON is pressed again.)

