## 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								
Г	IAD Madula #4											
	Save Changes				IOR Module #1				IOK module #2			
h	Onboard				Name	Action	merge	H	Name	Action	merge	
t	Name	Action	Merge	7	1 SwSet7	Momentary N.O. 💙	U	231	On/Off toggle	Momentary Toggle	M	
1	1 Emergency Shutoff	Maintain N.O. 💙		8	2 CC 8	Momentary N.O. ¥	Μ	242	CC 24	Momentary Toggle 🗸	M	
2	22 SwSet2	Momentary N.O. 💙	U	9	SwSet9	Momentary N.O. V	U	253	CC 25	Momentary Toggle 🗸	M	
3	33 CC 3	Momentary N.O.	Μ	10	CC 10	Momentary N.O. ¥	Μ	284	CC 26	Momentary Toggle 💙	M	
	44 SwSet4	Momentary N.O. V	U	11	CC 11	Momentary Topole	M	275	CC 27	Momentary Topole	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.)

