Single NC/NO Control Relay Module Installation Manual

Product Description

The single NC/NO Control Relay companion module is designed to control one Square D[™] Powerlink[™] Remote controlled circuit breaker.

Dynamic Load Management

This relay module is an essential building-block within the Savant critical load management architecture. It can dynamically switch critical and non-critical loads on / off based upon previously set parameters.

Key Features

- Control capability for Powerlink Remote controlled circuit breaker
- Fits into QO™ compatible panels.
- Communicates wirelessly over Bluetooth Low Energy.
- Dynamic management of loads.
- Color Display for easy identification and load status.
- Reset button / Manual load switch.



Α	Color LCD	Displays energy usage, lighting load levels and settings information
В	Inputs	Inputs should be sourced by a +/-24VDC power supply such as the Schneider electric QOPLPS.
С	Outputs	Both terminals connect to one Powerlink breaker
D	Neutral Wire	Pigtail connector is for wiring to the neutral bar
E	Reset Button	Press and Release: Change GUI screens.
		Hold for 1.5 seconds: Device will enter Configuration mode.
		Hold for 4 seconds: Will reset the device.
_	Manual Load	

F Switch

Specifications

Environmental		
Temperature	32° to 104° F (0° to 40° C)	
Humidity	5% to 85% Relative Humidity (non-condensing)	
Location	Indoor Use Only	
Dimensions		
Height 1.48in (37.7mm) Width 5.00in (127.0mm) Depth 2.63in (66.8mm)		
Maximum Powe	r	
Inputs	120V AC at 60 Hz, 20 Amps Max each.	
Load Power (Max)	2400VA each (20A Resistive Load)	
Features of Automatic action	Type 1.B action	
Recommended Load Center Type		
All QO™ compatible lighting modules fit into ¾-inch load centers		
Supported Load	d Types	
Supported Load Standard Configuration	d Types Relay on / off loads	
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Network Requirements

This relay module communicates over the BLE mesh network using the 2.4GHz radio frequency back to the Savant Panel Bridge Controller (PBC).

FCC and IC Identifier

This device electronically displays the FCC and ID identifier. This information can be found on the device by doing the following:

Once the device has completely booted, press the pair button two times.

Cet appareil affiche électroniquement les identifiants FCC et ID. Ces informations peuvent être trouvées sur le périphérique en procédant comme suit:

Une fois le périphérique complètement démarré, appuyez deux fois sur le bouton de paire.

Installation

This relay module is designed to adhere to standard electrical installation practices. Installation is performed by a certified electrician. Flexibility - These modules accommodates two single relay loads and can be installed in any panel configuration. These snap-in relay modules consume less space than other specialty panelized lighting installations along with simplified load placement and load maintenance. All RPE QO[™] form factor lighting modules are compatible with Schneider Electric Square D[™] QO[™] load centers (breaker panels). Install the Lighting Companion module into the approved breaker panel. Press firmly to ensure full connection into hot bus bar. Connect Neutral Wire to the neutral bus bar.

Typical Application

- 1. Install the Lighting Companion module into the approved breaker panel. Press firmly to ensure full connection into hot bus bar. Connect Neutral Wire to the neutral bus bar.
- 2. Connect both Output A and Output B of the NC/NO Control relay companion to the white control wire of the Powerlink Remote controlled circuit breaker that this device will control.
- 3. Connect the +24VDC from Powerlink Power Source to Input A of the NC/NO Control relay companion as well as the red wire on the Power link Remote controlled circuit breaker.
- 4. Connect the -24VDC from Powerlink Power Source to Input B of the NC/NO Control relay companion as well as the black wire on the Power link Remote controlled circuit breaker.
- 5. Connect the appropriate load to the Powerlink Remote controlled circuit breaker load connector. (Appropriate load is based on max load for the Powerlink Remote controlled circuit breaker)

