

Ordering Information

Model Number	Stock Number
ARM-44	3006221
BB-RA-44R	3006401 (Optional Surface Mount Black Box)

Description

The ARM-44 is an auxiliary relay module designed to operate with the PFC-4410RC series release panels to provide an additional 8 independent form C relay outputs in 3 different operating modes. The panel communicates with the ARM-44 via the RS-485 and 24 VDC auxiliary power connections on the PFC-4410RC.

Operating Modes

The relay board can either be installed inside the PFC-4410RC cabinet or remotely in a separate backbox. The relays can be programmed to either latch or follow the relay activation signal. There is also a disable switch to prevent the relays from operating when the system is being tested or serviced.

The silkscreen under the relay terminals corresponds with the selected operating mode: Mode 1/Mode 2/Mode 3

Examples

- Zone 1/Zone 1/Sup: indicates that relay operates with Zone 1 for Mode 1 & 2 and operates as a Supervisory relay in Mode 3.
- Out 1/Sup/Out 1: indicates that relay operates with Output 1 in Mode 1, as a Supervisory relay in Mode 2 and with Output 1 in Mode 3

Mode 1	Relays 1-4 follow the activation of zones 1-4, respectively
	Relays 5-8 follow outputs 1-4 respectively
Mode 2	Relays 1-4 follow the activation of zones 1-4, respectively
	Relay 5 operates on any supervisory condition
	Relay 6 operates on any trouble condition
	Relays 7 & 8 operate on any alarm condition
Mode 3	Relay 1 operates on any supervisory condition
	Relay 2 operates on any trouble condition
	Relays 3 & 4 operate on any alarm condition
	Relays 5-8 follow outputs 1-4 respectively

Notes: Relays programmed as a Trouble cannot be made to latch. Relays programmed as supervisory will follow Main board Supervisory Relay without regards to the Latch Switch position. Main

- UL Listed in conjunction with PFC-4410RC
- Provides 8 Form C relay outputs
- Zone type operation - Operates for specific zone/circuit input signals.
- Mounts in cabinet with terminal accessible for ease of wiring
- Disable switch for maintenance
- Selectable latching or follow setting
- 3 operating modes, programmable
- Relay contacts are non-supervised

Electrical Ratings

11 mA Standby

139 mA Max alarm current*

* Maximum current with all relays operating simultaneously.

Contact Rating

3 amps at 30 VDC max. resistive load

22-12 AWG

Contacts connected to power-limited source

board Supervisory Relay can be programmed LATCHING/NON-LATCHING in the custom program.

Programming

To disable all relays, move Disable switch to ON.

To make all relays latch, move Latch switch to ON.

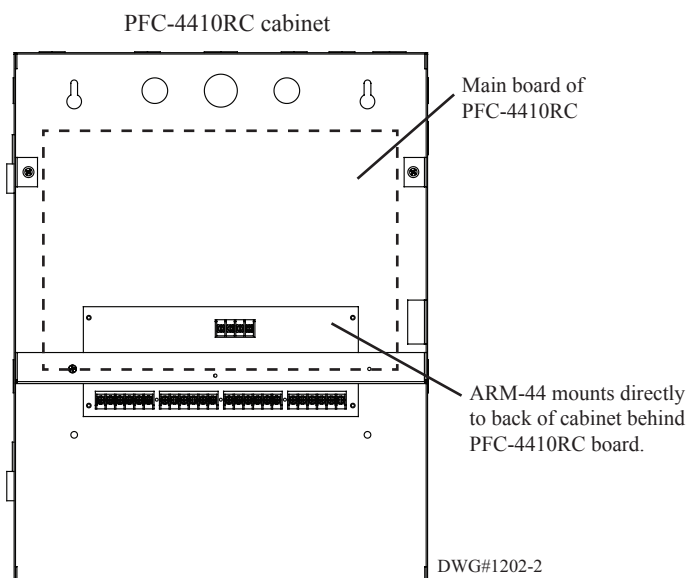
For Mode 1 operation, move Mode 2 and Mode 3 switch to OFF.

For Mode 2 operation, move Mode 2 switch to ON.

For Mode 3 operation, move Mode 3 switch to ON.

Installation

To install the ARM-44, remove the main board of the PFC-4410RC by removing battery strain relief and two chassis screws. Lift out main board and set in safe place. The ARM-44 mounts on 4 standoffs on the back of the cabinet with screws provided.





Move the 120 ohm resistor from the RS-485 terminal of the PFC-4410 to the last device.



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