



**Fire-LITE® Alarms**

www.firelite.com

March 13, 2003

DF-52374 • E-930

# CRF-300-6 Six-Relay Control Module

Section: Addressable Devices

## GENERAL

Fire-Lite's **CRF-300-6 six-relay control module** provides an intelligent alarm system with six Form-C relays.

The first module is addressed from 01 to 154 while the remaining modules are automatically assigned to the next five higher addresses. Provisions are included for disabling a maximum of three unused modules. A single isolated set of dry relay contacts is provided for each module address, which is capable of being wired for either a normally-open or normally-closed operation. The module allows the control panel to switch these contacts on command. No supervision is provided for the controlled circuit.

Each **CRF-300-6** module has panel-controlled green LED indicators. The panel can cause the LEDs to blink, latch on, or latch off.

## FEATURES

- Six addressable Form-C relay contacts.
- Removable 12 AWG (3.25 mm<sup>2</sup>) to 18 AWG (0.9 mm<sup>2</sup>) plug-in terminal blocks.
- Status indicators for each point.
- Unused addresses may be disabled.
- Rotary address switches.
- Mount one or two modules in a BB-X2F cabinet (optional).
- Mount up to six modules on a CHS-6 chassis in a BB-2F cabinet (optional).
- Mounting hardware included.

## SPECIFICATIONS

**Standby current:** 1.45 mA (SLC current draw with all addresses used; if some addresses are disabled, the standby current decreases).

**Alarm current:** 32 mA (assumes all six relays have been switched once and all six LEDs solid ON).

**Temperature range:** 32°F to 120°F (0°C to 49°C).

**Humidity:** 10% to 85% noncondensing.

**Dimensions:** 6.8" (172.72 mm) high x 5.8" (147.32 mm) wide x 1.0" (25.40 mm) deep.

**Shipping weight:** 1.1 lb. (0.499 kg) including packaging.

**Wire gauge:** 12 AWG (3.25 mm<sup>2</sup>) to 18 AWG (0.9 mm<sup>2</sup>).

**Maximum SLC wiring resistance:** 40 or 50 ohms, panel dependent.

**Maximum IDC wiring resistance:** 40 ohms.

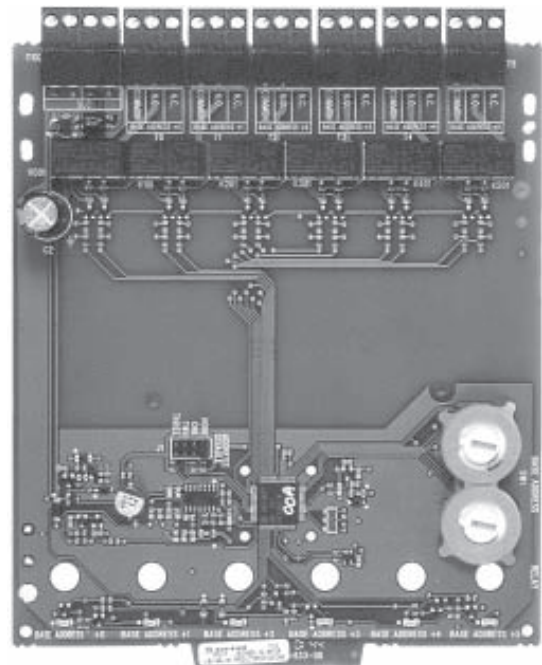
**Relay current:** 30 mA/relay pulse (15.6 ms pulse duration), pulse under panel control.

**Relay contact ratings:** 30 VDC; 70.7 VAC.



California  
State Fire  
Marshal  
7300-0075:205

**MEA**  
55-02-E



## Current ratings:

- 3.0 A @ 30 VDC maximum, resistive, non-coded.
- 2.0 A @ 30 VDC maximum, resistive, coded.
- 1.0 A @ 30 VDC maximum, inductive (L/R = 2 ms), coded.
- 0.5 A @ 30 VDC maximum, inductive (L/R = 5 ms), coded.
- 0.9 A @ 110 VDC maximum, resistive, non-coded.
- 0.9 A @ 125 VAC maximum, resistive, non-coded.
- 0.7 A @ 70.7 VAC maximum, inductive (PF = 0.35), non-coded.
- 0.5 A @ 125 VAC maximum, inductive (PF = 0.35), non-coded.

## PRODUCT LINE INFORMATION

**CRF-300-6:** Six-relay control module.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information, contact **Fire-Lite Alarms**, One Fire-Lite Place, Northford, Connecticut 06472. Phone: (800) 627-3473, Toll-Free FAX: (877) 699-4105.



# WIRING DIAGRAM

