

# FireFinder® XLS

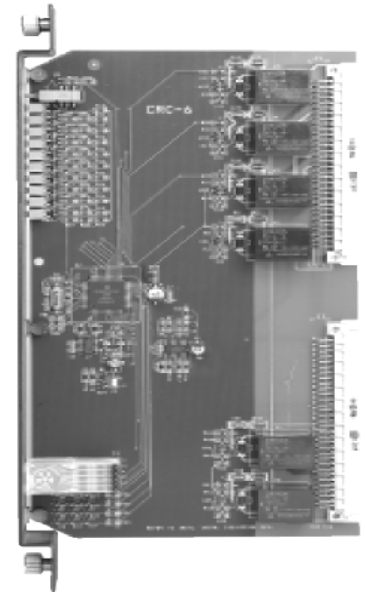
## Controllable Relay Card Model CRC-6

### ARCHITECT AND ENGINEER SPECIFICATIONS

- Six (6) independent, 'Form C' single-pole, double-throw (SPDT) contacts
- 4 Amps @ 30 VDC / 120VAC, resistive
- 3.5 Amps @ 120 VAC Inductive (0.6 P.F.)
- Fully programmable
- Time-based operation
- Manual or automatic control
- Supervised coils
- Built-in status and troubleshooting light-emitting diodes (LEDs)
- On-board microprocessor
- UL 864 9<sup>th</sup> Edition Listed & ULC Listed; FM, CSFM, & NYC Fire Department Approved



CRC-6  
(Front View)



CRC-6  
(Side View)

### Product Overview

The Controllable Relay Card (Model CRC-6), which is used with the FireFinder XLS fire-alarm control panel (FACP), is designed to provide auxiliary control of building functions: door-holder release; elevator capture; smoke control, lock release, etc. Model CRC-6 plugs into one (1) slot in the Model CC-5 or Model CC-2 Card Cage, and provides six (6), fully programmable relays.

Each relay contains one (1) set of SPDT contacts rated at 4 Amps 30 VDC / 120 VAC resistive and 3.5 amps 120 VAC inductive (0.6 PF). All relay coils are supervised to ensure proper operation. Individual relays can be automatically activated or deactivated through control by event and time-based logic contained in the Person Machine Interface (Model PMI).

Each relay may also be either manually controlled or 'Disarmed.'

Model PMI will indicate the affected relay, and the 'Partial System Disable' indicator will illuminate until the relay is returned to an 'Armed' condition. Model CRC-6 has on-board LEDs for system status and troubleshooting.

Indication of power, communication, internal operation, and 24V power source are provided, as well as indication of each relay's operation and status.

Programming for Model CRC-6 is performed using the FireFinder XLS software configuration tool, ZEUS.

## Electrical Ratings

<b>24V Current Draw:</b> [Backplane]	10mA + 20.5mA (per Active Relay)
<b>24V Current Draw:</b> [Screw Terminal]	0
<b>24V Current Draw:</b> [Standby]	51mA + 20.5mA (per Active Relay)
<b>6.2V Current Draw:</b> [Backplane]	120mA
<b>Relays:</b>	4A @ 30VDC 120VAC, resistive 3.5A @ 120VAC (0.6PF)

## Details for Ordering

Model	Part Number	Description
CRC-6	500-033250	Controllable Relay Card

## Temperature and Humidity Range

Products are @UL 864 9<sup>th</sup> Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

## Controls and Indicators

<b><u>RESET switch</u></b>	Re-initializes the Model CRC-6 card only.
<b><u>POWER LED</u></b>	Indicates system power is applied to the CRC-6.
<b><u>CARD FAIL LED</u></b>	Illuminates when the card microprocessor has failed.
<b><u>HNET FAIL LED</u></b>	Illuminates when the HNET communication fails and the Model CRC-6 is in the DEGRADE mode.
<b><u>24V FAIL LED</u></b>	Illuminates when the 24 VDC supply falls below 18 VDC.
<b><u>RELAY ACTIVE LEDs</u></b>	Illuminates steadily to indicate the relay is active, and blinks to indicate relay coil failure. There is one (1) LED for each of the six (6) relays.

**Notice:** This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.