

# CR4

## Four Station Control Relays



Door control relay modules ensure compatibility of access hardware components and simplify system installation and troubleshooting. Modules may be ordered with or without power supplies. Different modules may be specified for one power supply. The isolated relay design allows small gauge cable runs of 22 gauge wire up to 1000 feet from the trigger device to the module.

Modules may be ordered with or without power supplies. Different function modules may be used in the same power supply or cabinet.

**SDC's CR4 series** control boards are designed to allow for independent control of up to four separate electrified locking devices by distributing the primary DC power supply output into four, individually controlled relay outputs. Each station of CR4 series module accepts a dry, normally open trigger input and provides one fused and one non-fused output. Each output is individually fused and selectable as wet or dry. Closing a switch across the trigger input will release the output for the amount of time that the trigger input is held closed. Output voltage is determined by input voltage. Additionally, LED visual status indicators provide relay activation status.



### MODELS

**CR4** Four Station Control Relay



### STANDARD FEATURES

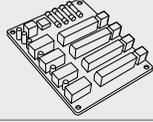
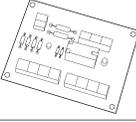
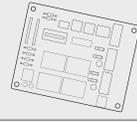
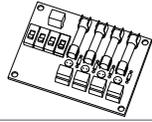
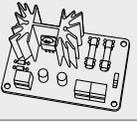
- Reduced wiring, easier troubleshooting
- Four independent stations
- Four fused field selectable wet or dry outputs
- Four non-fused outputs
- Four dry contact trigger inputs
- Auto-sensing dual voltage
- Visual status indicators (LED)



## APPLICATIONS

Control and distribute power to four individual door locks from a single power supply.

## CROSS REFERENCE

| Series             | CR4   | ACM-1   | EMC   | FB-4  | 12VR  |
|--------------------|---|---|---|---|---|
|                    |  |  |  |  |  |
| <b>Description</b> | Four station control relays   | Six input control relays  | Dual channel exit device sequencers   | Four output power distribution modules  | Voltage power convertors  |
| <b>Application</b> | Individual control of four locks  | Control one lock with up to six activation devices                                | Sequence electrified panic device and operator for single or pair of doors        | Distribute a single voltage output to four devices                                  | Convert 24 VDC to regulated 12 VDC output   |
| <b>Inputs</b>      | (4) N/O, Dry  | (3) N/O, Dry<br>(3) N/C, Dry  | (2) N/O, Dry  | (1) Power, 12/24 VDC  | (1) Power, 24 VDC   |
| <b>Outputs</b>     | (4) SPDT, Fused, Wet or Dry<br>(4) SPDT, Unfused, Wet or Dry                      | (1) SPDT, Wet<br>(1) SPDT, Dry  | (4) N/O, Dry  | (4) Fused Class 2, On/Off, 12/24VDC (Matches input)                                 | (1) Fused Class 2, 12 VDC<br>(1) Fused Class 2, 24 VDC                              |
|                    | <a href="#">CLICK TO VIEW</a>   | <a href="#">CLICK TO VIEW</a>   |

## SPECIFICATIONS

|   | CR4  |
|---|--|
| <b>Input Voltage</b>                      | 12/24 VDC ± 10%  |
| <b>Input Current (Max)</b>                | 150 mA   |
| <b>Dimensions</b>                         | 4¼" x 31¾" x 5/8"                                      |
| <b>Stations</b>                           | 4  |
| <b>Input Configuration (Per Station)</b>  | (1) Normally Open (N/O), Dry                           |
| <b>Output Configuration (Per Station)</b> | (1) SPDT, Fused-Wet/Dry<br>(1) SPDT, Non-Fused-Wet/Dry |
| <b>Contact</b>                            | 2 Amp @ 30 VDC Resistive                               |

## HOW TO ORDER

## FOLLOW STEPS FOR ORDERING

 Designates optional step

### 1| SPECIFY MODEL

**CR4** Four Station Control Relay

STEP NUMBER: 1

ORDERING EXAMPLE: **CR4**