SIEMENS

Desigo® Fire Safety Modular System

Controllable Relay Card
Model CRC-6

Architect & 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
- ☐ UL864 & CAN / ULC-S576 Listed

Product Overview

The Controllable Relay Card (Model CRC-6), which is used with the Desigo Fire Safety Modular fire-alarm control panels (FACPs), 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 Operator Interface (OI).

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

The OI 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 Desigo Fire Safety Modular systems software configuration tool, *ZEUS-D*.

Model CRC-6
Controllable Relay Card

Controls and Indicators

RESET SWITCH	Re-initializes the Model CRC-6 card only
POWER LED	Indicates system power is applied to Model CRC-6.
CARD FAIL LED	Illuminates when the card microprocessor has failed
HNET FAIL LED	Illuminates when the HNET communication fails, and the Model CRC-6 is in the DEGRADE mode.
24V FAIL LED	Illuminates when the 24 VDC supply falls below 18 VDC.
RELAY ACTIVE LEDs	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.

Electrical Ratings

24V CURRENT DRAW: [BACKPLANE]	10mA + 20.5mA (per Active Relay)
24V CURRENT DRAW: [SCREW TERMINAL]	0
24V CURRENT DRAW: [STANDBY]	51mA + 20.5mA (per Active Relay)
RELAYS:	4A @ 30VDC 120VAC, resistive 3.5A @ 120VAC (0.6PF)

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
CRC-6	500-033250	Controllable Relay Card

Temperature and Humidity Range

Products are UL 864 10th 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).

NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice.
The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.
Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

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