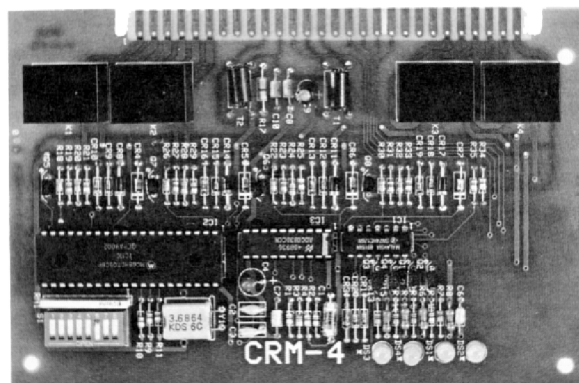# CERBERUS PYROTRONICS

CRM-4

Controllable Relay Module

ENGINEER AND ARCHITECT SPECIFICATIONS

Features:

● 4 Independent Relays

● 4 SPDT Contacts (Form "C")

● On Board Microprocessor

● 2 Amps. @ 30 VDC/120 VAC Resistive

● Fully Programmable

● Time Based Operation

● Manual or Automatic Control

● Supervised Coils

● (UL) Listed, ULC Listed, CSFM, NYMEA, City of Chicago and FM Approved

Description

The Controllable Relay Module CRM-4 is designed to provide auxiliary control of building functions such as door holder release, elevator capture, smoke control, lock release, etc.

The CRM-4 plugs into one half slot in the MOM-4 or MOM-2 expansion card cage. It provides four fully programmable relays. Each relay contains one set of SPDT contacts rated at 2 Amps. 30 VDC/120 VAC resistive. All relay coils are supervised to insure proper operation.

Individual relays can be automatically activated or deactivated through control by event and time based logic contained in the MMB. Each relay may also be either manually controlled or "Disarmed," the MKB annunciator will indicate the affected relay and the "Partial System Disable" indicator will illuminate until the relay is returned to an "Armed" condition.

Four on-board LEDs are provided. Two diagnostic LEDs provide positive indication of the CRM-4's network communication. The remaining two are user programmable through the MXL software.

Engineer and Architect Specifications

External control of auxiliary functions shall be provided by Cerberus Pyrotronics programmable relay module model CRM-4. Each relay shall provide one set of SPDT contacts rated at 2 Amps. 30 VDC/120 VAC resistive. Relay coils shall be supervised.
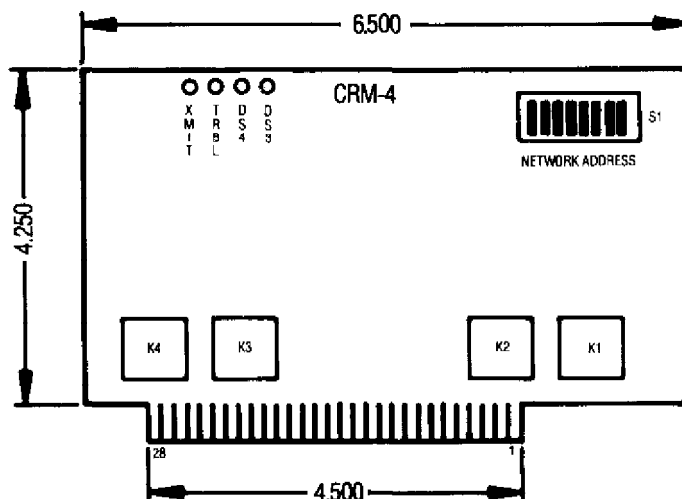
The relay module shall interface with the MOM-4 or MOM-2 expansion card cage using gold plated edge connectors. The CRM-4 shall occupy one half slot in the MOM-4 or MOM-2. Up to four (4) CRM-4 modules may be plugged into each MOM-4 card cage or two (2) CRM-4 modules may be plugged into each MOM-2 card cage.

Activation or deactivation of each relay shall be controlled automatically through event or time based programming contained in the MXL. Each relay shall be capable of manual control through the MXL keypad. If a relay function is "Disarmed" using the MXL keypad, the system shall display a message indicating the disarmed relay and the "Partial System Disable" indicator shall illuminate until the relay is restored to the "Armed" condition.

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Technical Data

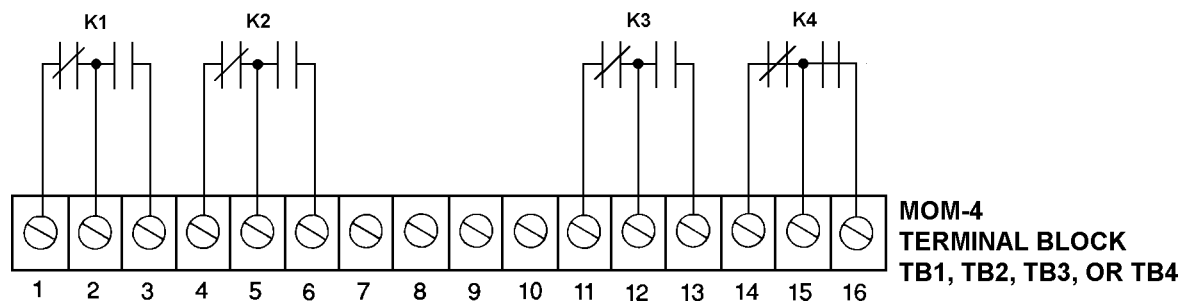Current Supervisory: 15 mA
Current Active: 18.7 mA per relay energized
                       75 mA all relays energized
Contact Rating: 2 Amps. 30 VDC/120 VAC resistive
Contact Configuration: SPDT (Form "C")
Relay Configuration: Supervised Coil Normal State =
                       De-energized
Mounting: Plug in
                       ½ Slot MOM-4 or MOM-2
Edge Connector: Gold plated

Dimensional Data

Wiring and Electrical Ratings

CONTACT RATING:2A, 30 VDC/120 VAC RESISTIVE
COILS ARE SUPERVISED WHEN DE-ENERGIZED; CONTACTS ARE NOT SUPERVISED

ALL RELAY CONTACTS ARE SHOWN IN NORMAL (DE-ENERGIZED) STATE

CRM-4 Relay Wiring / Electrical Ratings

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