

CRM-4, CRE-4 and ARM-4 Relay Modules

Features

- Four Form C (SPDT) relay contacts
- May be expanded to eight Form C relay contacts
- 20 amp N.O. and 10 amp N.C. switching with ARM-4
- Green LEDs to indicate relay activation or I/O mapping
- Amber LEDs to indicate relay disabled, module fault or system communications failure
- Control switch for Manual On/Off, circuit Enable Disable, and module programming
- Programmable for activation when an alarm is detected for an individual zone, a group of zones, or all zones.

Applications

The CRM-4 Control Relay Module provides four Form C (SPDT) relay contacts which may be used to control auxiliary devices. The CRE-4 Control Relay Expander will provide four additional Form C (SPDT) relay contracts for a total of eight.

The ARM-4 Auxiliary Relay Module is used for high power switching and may be slaved to a CRM-4 or CRE-4 module.

Switches are provided for each relay to provide manual ON/OFF, DISABLE/ENABLE and programming functions.

Description

The CRM-4 consists of a panel mounted printed circuit card with an integral tactile feel membrane switch. Clear windows in the membrane panel allow viewing the status and trouble

LEDs. Slide-in pockets allow the insertion of descriptive labels for the circuits. Removable terminal blocks are provided for connection of field wiring. The CRM-4 provides up to four Form C (SPDT) relay contacts for auxiliary control functions.

The CRE-4 consists of a printed circuit card which mounts behind the CRM-4 with hardware provided. Removable field wiring terminal blocks are included with the CRE-4. The CRE-4 expands the CRM-4 to a total of eight Form C (SPDT) relay contacts.

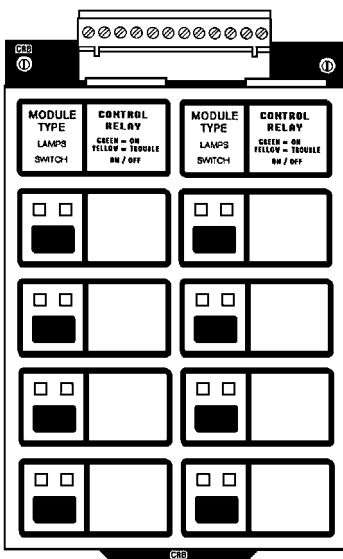
The ARM-4 consists of a printed circuit card which mounts on the bottom of the CHS-4 chassis. The ARM-4 module can be used when greater load switching capability is required. The ARM-4 is slaved to a CRM-4 or CRE-4 module.

Technical Information

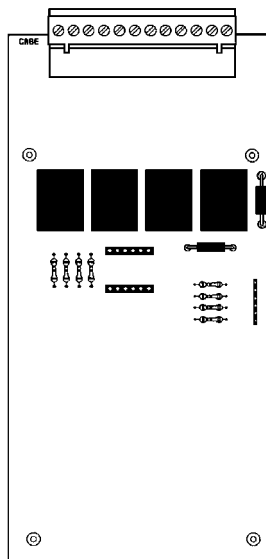
The CRM-4 mounts in one module position of a CHS-4 Chassis using two captive screws. The first Row or Expander Ribbon cable connects the CRM-4 to the CPU. Mount the CRE-4 (if used) to the back of the CRM-4 with hardware provided.

The ARM-4 is mounted on the rear of the CHS-4 Chassis and may be located under a ICM-4 or CRM-4 (with or without expanders).

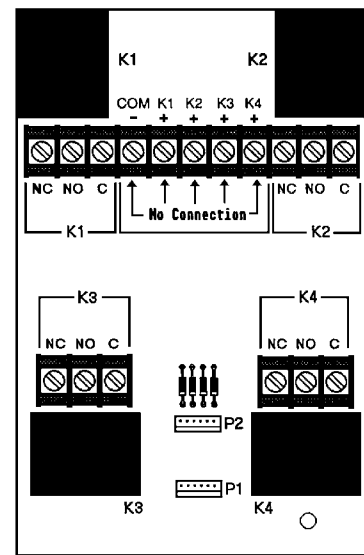
Note: Except in the City of Chicago, the ARM-4 may also be located under a VCM-4.



CONTROL RELAY MODULE (CRM-4)



CONTROL RELAY EXPANDER (CRE-4)



AUXILIARY RELAY MODULE (ARM-4)

CRM-4 and CRE-4 modules

Form C (SPDT) contacts rated at: 5 A @ 30 VDC or
125 VAC resistive; 2 A @ 125 VAC inductive

ARM-4 modules

Form C (SPDT) contacts rated at: 20 A @ 30 VDC or
125 VAC or 250 VAC
(Normally open contacts)
10 A @ 30 VDC or 125 VAC or 250 VAC
(Normally closed contacts)

<u>Current Consumption</u>	<u>Standby</u>	<u>Alarm</u>
CRM-4	0.007 amperes	.072 amps
CRE-4	0.000 amperes	.065 amps
ARM-4	0.000 amperes	.150 amps

Listings and Approvals*

- UL S635
- ULC CS68
- ▶ Factory Mutual (FM) 0Q1A7.AY
- California State Fire Marshall (CSFM) 7165-028:144
7170-028:154
- MEA 578-81-SA

▶ *Listings and Approvals are under NOTIFIER

Ordering Information

Part No.	Description	Shipping Weight	
		lb.	(kg.)
419565	CRM-4 Control Relay Module	2.0	(0.9)
419566	CRE-4 Control Relay Expander Module	0.6	(0.3)
419570	ARM-4 Auxiliary Relay Module	1.0	(0.45)
419586	CHS-4 Chassis	9.0	(4.1)

ANSUL and AUTOPULSE are trademarks of Ansul Incorporated or its affiliates.