

FEATURES

- ❖ 10 Channels of SPDT 10 Amp rated relays
- ❖ LED indication for each relay
- ❖ .187" Spade termination or optional terminal block
- ❖ 24V AC or DC operation
- ❖ Small size (2.187" X 8.0")

APPLICATIONS

- ❖ Voltage / current signal switching
- ❖ Indication lamp status switching

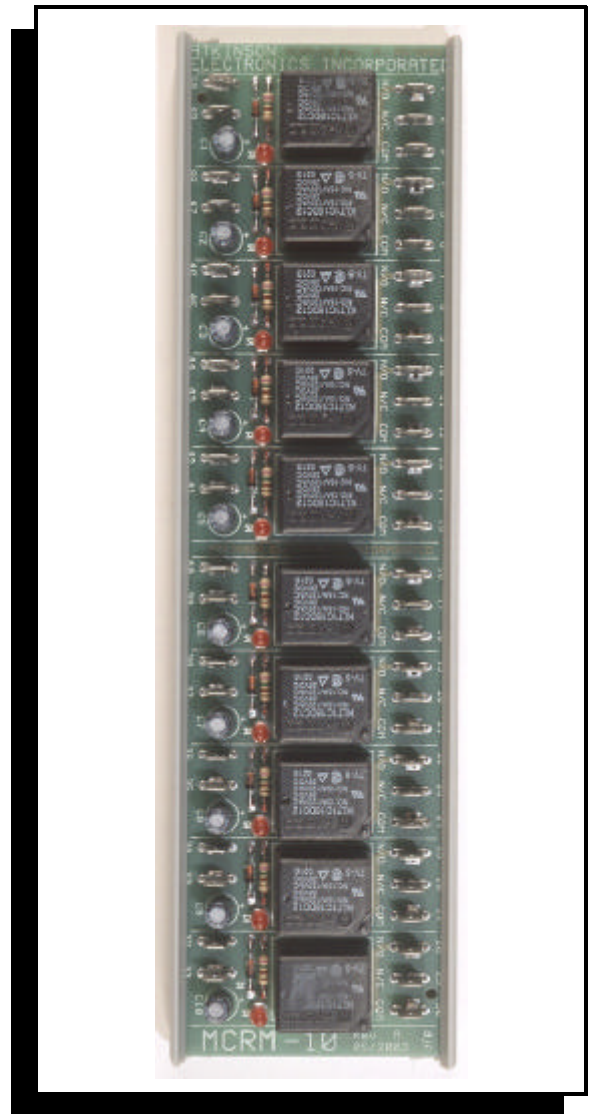
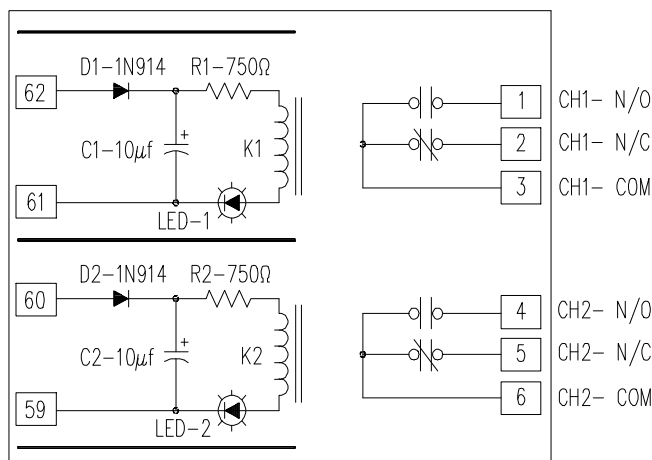
DESCRIPTION

The MCRM-10 is a ten channel SPDT relay module with 10 Amp rated relay . Each relay channel has it's own input termination and relay contact terminations. An extra output common terminal is provided so individual channels can be connected up. The MCRM-10 can be factory configured for .187" Spade connectors or with cage-clamp type terminal blocks.

OPERATION

The MCRM-10 inputs uses a rectifier diode and filter capacitor to rectify & filter the 24V AC control signal into an 24V DC signal to drive the DC relay. If the control signal is 15-24V DC the even numbered input terminals would be the positive input and the odd the negative terminals. When a control signal is applied to the input, an indication LED is turned on and the relay is energized switching the relay contacts.

CIRCUIT CONFIGURATION



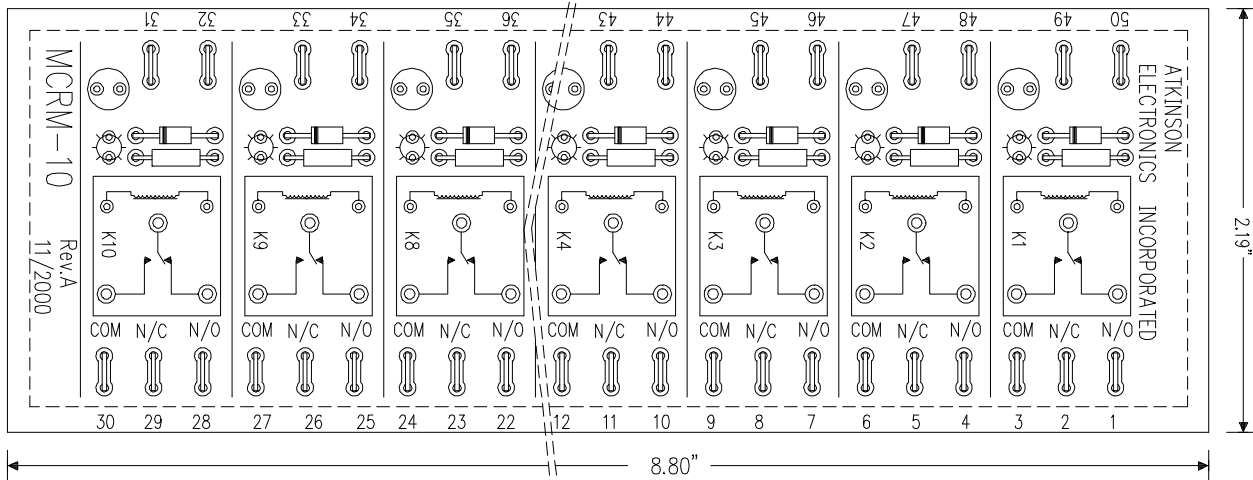
SPECIFICATIONS

- SIZE: 8.0" L x 2.187" W x .75" H
- MOUNTING: 2.187" RDI snap-track (supplied)
- INPUT SIGNALS: 15-24V DC or 24V AC
- AMBIENT TEMP: -40 to +85°C

ORDERING INFORMATION

MCRM-10 - Multiple Channel 10 Amp Relay Module w/o Push-To-Test option

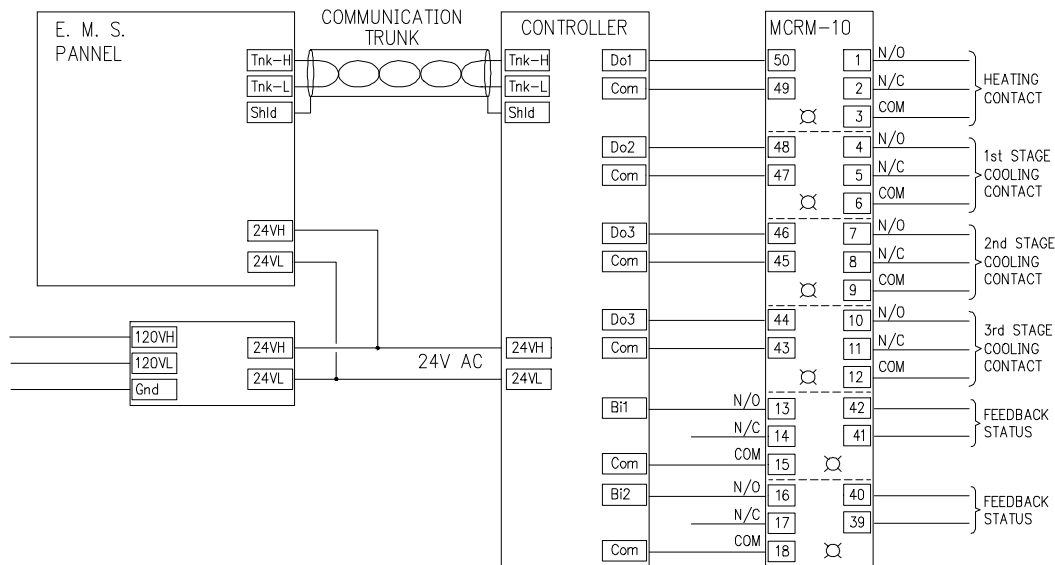
PHYSICAL CONFIGURATION



MCRM-10 RELAY OUTPUT SPECIFICATIONS

Relay type: SIEMENS # T7CS5D-12V DC
 Contact type.: 1 Form C
 Contact rating: 10 Amp @ 30V DC resistive
 12 Amp @ 120V,250V AC resistive
 Contact material: AgCdO
 Min mechanical life: 30 million operations
 Min electrical life: 250K operations @ 12 Amp, 250VAC
 Dielectric Strength: 4000V AC coil/contact

TYPICAL APPLICATION MCRM-10



The MCRM-10 is being used in an EMS control panel to provide the isolation barrier and 10 amp relay contacts between low voltage controller and the equipment's line voltage control contacts. The MCRM also can be used to provide status contacts for the binary input of the controller from a 15-24V DC or 24V AC status signals from various equipment.