Features

- Designed to meet a wide range of applications

- SEMS screws for easy wiring

- Panel controlled status LED

- Rotary switches for direct-dial entry of address. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode

- Low standby current

- Mount in 4" square junction box

Description

Mircom's intelligent control and relay modules are designed to meet a wide range of applications. The control modules can be used to supervise and activate Notification Appliances while the relay modules provide the system with dry contact outputs for activatey a variety of auxiliary devices. The control and relay modules are addressed with easy-to-use rotary code switches.

Mircom's Advanced Protocol (AP) devices use a high speed communication protocol that greatly increases the speed of communication between the intelligent devices. Mircom's Advanced Protocol uses a superior group polling method as well as an interrupt feature that provide for a faster response to an alarm condition. In addition, the Advanced Protocol allows for greater system capacity with support for up to 318 devices per SLC circuit. The AP devices are backwards compatible to operate in CLIP mode for legacy system applications.

MIX-M500RAP Relay Control Module

The MIX-M500RAP Relay Control Module contains two isolated sets of Form-C contacts, which operate as a DPDT switch to provide the system with outputs for activating a variety of auxiliary devices, such as fans, dampers, control equipment, etc. The module allows the control panel to switch these contacts on command. No supervision is provided for the relay contacts.

MIX-M500SAP Supervised Control Module

The MIX-M500SAP Supervised Control Module provides supervised monitoring of wiring to load devices that require an external power supply to operate, such as horns, strobes, or bells. It is capable of Styles Y and Z supervision. Upon command from the control panel, the MIX-M500SAP will disconnect the supervision and connect the external power supply across the load device. The disconnection of the supervision provides a positive indication to the panel that the control relay actually turned on. The external power supply is always relay isolated from the communication loop, so that a trouble condition on the power supply will never interfere with the rest of the system. Full analog measurement of the supervised wiring is transmitted back to the panel and can be used to detect impedance changes or other special test functions.

S5434   S5434   7300-1477:0167

CATALOG NUMBER
5951

Specifications

MIX-M500SAP Supervised Control Module

Normal Operating Voltage	15 to 32 VDC
Maximum Alarm Current	6.5mA (LED On)
Average Operating Current	400 µA max., 1 communication every 5 seconds 47k EOL resistor, 485 uA max.(Communicating, NAC shorted).
Maximum NAC Line Loss	4 VDC
External Supply Voltage	
Maximum (NAC)	Regulated 24VDC
Maximum (Speakers)	70.07 V RMS, 50 W
Max. NAC Current Ratings	For class B wiring system, the current rating is 3A; For class A wiring system, the current rating is 2A
Temperature Range	32˚F to 120˚F (0˚C to 49˚C)
Humidity	10% to 93% Non-condensing
Dimensions	4.5˝ H × 4˝ W × 1.25˝ D

MIX-M500RAP Relay Control Module

Normal Operating Voltage	15 to 32 VDC
Maximum Alarm Current	6.5mA (LED on)
Average Operating Current	300 µA, 1 communication every 5 seconds
EOL Resistance	Not used
Temperature Range	32˚F to 120˚F (0˚C to 49˚C)
Humidity	10% to 93% Non-condensing
Dimensions	4.5˝ H x 4˝ W x 1.25˝ D

Relay Contact Ratings

Current Rating	Maximum Voltage	Load Description	Application
3 A	30 VDC	Resistive	Non-coded
2 A	30 VDC	Resistive	Coded
0.46 A	30 VDC	(L/R= 20ms)	Non-coded
0.9 A	125 VDC	Resistive	Non-coded
0.5 A	125VAC	(PF=0.75)	Non-coded
0.3 A	125 VAC	(PF=0.35)	Non-coded
0.7 A	70.7 VAC	(PF=0.35)	Non-coded
0.2 A	25 VAC	(PF=0.35)	Non-coded

Ordering Information

Model	Description
MIX-M500RAP	Relay Control Module
MIX-M500SAP	Supervised Control Module

Add suffix "A" for ULC listed model.

NOT TO BE USED FOR INSTALLATION PURPOSES.

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