

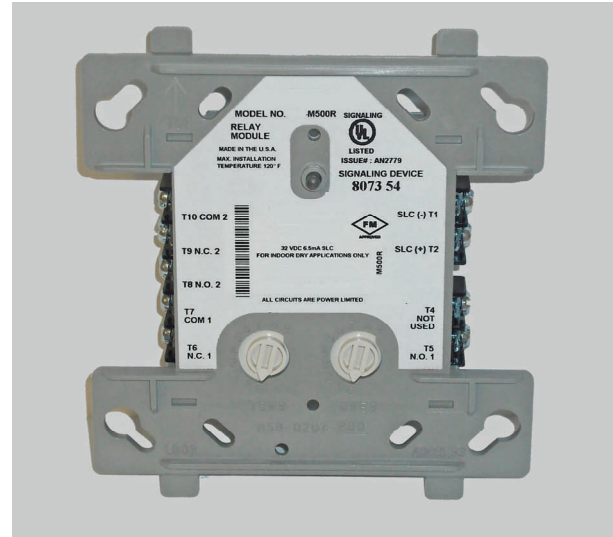


## M500R Relay Control Module



### Description:

The Intelligent Addressable Relay Module connects to the same loop as the initiating devices and provides two isolated sets of Form-C contacts. The module allows the FX-2000 Series fire alarm control panel to switch these contacts on command. The M500R has an activated red LED which follows the state of the relay contacts.



M500R

### Operation:

The M500R Relay Control Module is intended for use in intelligent, two-wire systems, where the individual address of each module is selected using the built-in rotary decade switches. It allows a compatible control panel to switch discrete contacts by code command. The relay contains two isolated sets of Form-C contacts, which operate as a DPDT switch and are rated in accordance with the table on reverse page. Circuit connections to the relay contacts are not supervised by the module.

### Features:

- Provides two isolated sets of Form-C contacts
- Allows FX2003RT or FX2000 panel to switch discrete contacts by code command
- UL Listed
- FM Approved
- Easy to mount
- Easy to configure/address

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## Specifications:

<b>Normal Operating Voltage:</b>	15 to 32 VDC
<b>Standby Current:</b>	.0003A max. @ 24VDC (one communication every 5 sec. w/LED enabled)
<b>LED Current:</b>	.0055A (with LED latched on)
<b>EOL Resistance:</b>	47K Ohms
<b>Max IDC wiring resistance:</b>	40 Ohms
<b>Dimensions:</b>	4.65"H x 4.25"W x 1.1"D
<b>Weight:</b>	6.3 ounces

### Relay Contact Ratings:

CURRENT RATING	MAXIMUM VOLTAGE	LOAD DESCRIPTION	APPLICATION
3 A	30 VDC	Resistive	Non-coded
2 A	30 VDC	Resistive	Coded
.9 A	110 VDC	Resistive	Non-coded
.9 A	125 VDC	Resistive	Non-coded
.5 A	30 VDC	Inductive (L/R=5ms)	Coded
1 A	30 VDC	Inductive (L/R=2ms)	Coded
.3 A	125 VAC	Inductive (PF=.35)	Non-coded
1.5 A	25 VAC	Inductive (PF=.35)	Non-coded
.7 A	70.7 VAC	Inductive (PF=.35)	Non-coded
2 A	25 VAC	Inductive (PF=.35)	Non-coded

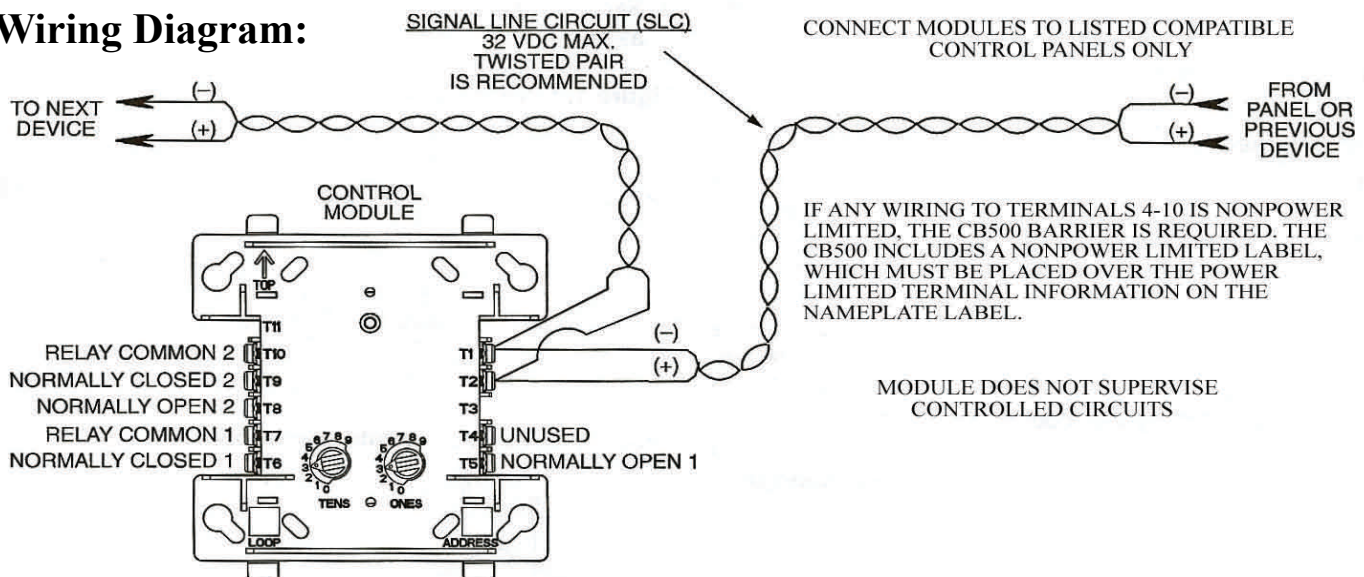
## Ordering Information:

<b>Model No.</b>	<b>Description</b>
M500R	Relay Control Module

### Accessories:

CB500	Module Barrier
SM500R	Data Specification Sheet

## Wiring Diagram:



Specifications are provided for information only and are believed to be accurate. However, no responsibility is assumed by King-Fisher Company inc., for their use. Specifications subject to change without notice.