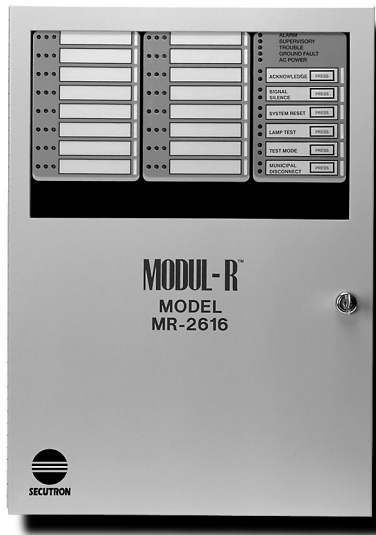




MODUL-R™ MR-2616

FIRE ALARM CONTROL UNIT



GENERAL DESCRIPTION

The MR-2616 is a microprocessor based fire alarm control unit with 16 zones for conventional fire detection devices.

Front Panel

The front panel consists of 5 system LEDs, 16x3 zone LEDs and 6 function keys. The 5 system LEDs provide common indication of alarm, ground fault, trouble, supervisory, and AC power. LEDs will flash with a new condition and will remain on steady after acknowledgement.

The zone LEDs consist of a red alarm LED, amber supervisory LED, and a yellow trouble LED for each input circuit. LEDs will flash with a new condition and will remain on steady after acknowledgement.

Function keys provide the following functions : acknowledge, signal silence, system reset, test mode, lamp test, and city disconnect. Each function key has 2 LEDs to indicate status.

Input Circuits

Input circuits are individually software definable for contact devices only, smoke detectors only, or combination of smoke detectors and contact devices. Circuits defined for smoke detector and contact devices are able to differentiate between smoke detector operation and contact device operation, which permits combining contact and smoke detectors on one common circuit when the alarm verification feature is used. The circuits are further definable for alarm or supervisory.

Circuits can support Style B (Class B) or Style D (Class A) wiring. An additional add-on module is required for Style D wiring.

Ground faults are indicated by circuit.

FEATURES

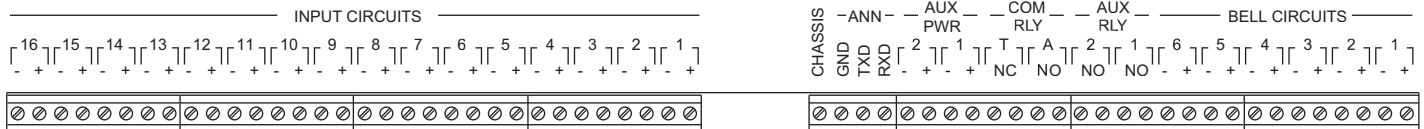
- UL, ULC, and MEA Listed
- 5 year warranty
- Conventional input circuits Style B (Class B) or Style D (Class A)
- System alarm and trouble relays
- Alarm, supervisory, and trouble LEDs for each zone
- Custom labels per zone
- Alarm verification by zone
- Ground fault indication by input circuit
- Programmable input circuits
- Two stage alarm capability
- Totally software driven
- Field programmable via service terminal
- Optional remote annunciator
- 'Hot Key' system controls
- Signal silence inhibit
- Signal time limit cut-out

Output Circuits

The MR-2616 includes 6 supervised polarity reversing notification appliance (bell) circuits, 2 general purpose relays in Style B configuration or 8 relays in Style D configuration, and 2 system operated relays for alarm and trouble indication. Ground faults are indicated by notification appliance (bell) circuit.

The general purpose relays can be programmed for normally open or normally closed operation.

The system relays are for alarm and trouble indication. The trouble relay is normally energized to allow for indication of both AC power and battery power loss.



Terminal Strip

TECHNICAL DATA

INPUT POWER 120VAC, 60Hz or 220VAC, 50Hz

INPUT CIRCUITS (16)

Voltage	20-28VDC
Supervisory current	6mA
Alarm current	80mA
Max. no. of devices	30 (smoke detectors)
Compatible devices	MR series
End-of-line device	3.9kΩ resistor, Style D (Class B) only
Total line resistance	60Ω
Total line capacitance	100µf
Maximum line length	3,050m (10,000ft) (18AWG)

NOTIFICATION APPLIANCE (BELL) CIRCUITS (6)

Supervisory current	1.0mA
Alarm current	1.0A
Voltage	24VDC (unfiltered)
End-of-line device	10kΩ resistor, Style Y (Class B) only

SYSTEM RELAYS (2)

Alarm, trouble 0.5A @ 120VAC

GENERAL PURPOSE RELAYS

2 relays in Class B config. 0.6A @ 120VAC
 8 relays in Class A config. 0.6A @ 120VAC

AUX. POWER OUTPUTS (2) 24VDC @ 0.5A

BATTERY CAPACITY 38Ah

Battery space, 36.2W x 20.32H x 10.8Dcm (14.25 x 8 x 4.25 in), available in panel for up to 10Ah battery.

DIMENSIONS

Back box : 36.83W x 52.07H x 11.43Dcm (14.5 x 20.5 x 4.5 in)
 Outer door : 38.10W x 53.34H x 1.27Dcm (15.0 x 21 x 0.5 in)

ORDERING INFORMATION

Model Description

BASIC CONTROL UNIT PACKAGES

MR-2616B	16 Zone Fire Alarm Control Unit, Class B, Beige
MR-2616BE	16 Zone Fire Alarm Control Unit, Class B, 240VAC, Beige
MR-2616R	16 Zone Fire Alarm Control Unit, Class B, Red
MR-2616RE	16 Zone Fire Alarm Control Unit, Class B, 240VAC, Red
MR-2616B-A	16 Zone FACU, Class A, 8 Relays, Beige
MR-2616BE-A	16 Zone FACU, Class A, 8 Relays, 240VAC, Beige
MR-2616R-A	16 Zone FACU, Class A, 8 Relays, Red
MR-2616RE-A	16 Zone FACU, Class A, 8 Relays, 240VAC, Beige

ACCESSORIES

MR-2614EHS/MR-2622S	Remote annunciator unit c/w board
MR-2614EH	Enhanced remote annunciator board
MR-2915	LED driver for annunciators
MR-2622	Annunciator strip, 3 x 8 LEDs
MR-2976B	Flush trim, Beige
MR-2976R	Flush trim, Red

*Note: 240VAC Units are not all UL listed

Distributor:



Secutron Fire Alarm Systems
 91 Technology Dr.
 Westminister, MA 01441
 800-387-8058
 www.secutronusa.com

E-MAIL:
 inquire@secutronusa.com

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