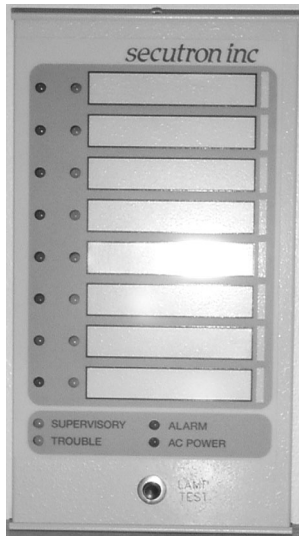


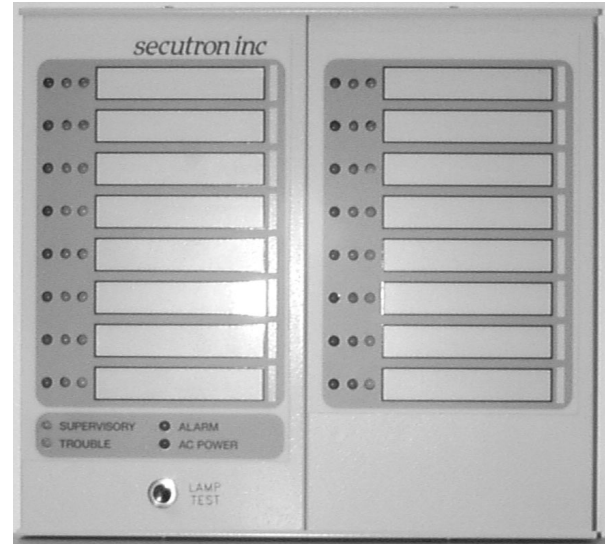


**MODUL-R™
MR-2614**

LED ANNUNCIATOR



MR-2614S



MR-2614EHS+MR-2622S

GENERAL DESCRIPTION

The MR-2614 Annunciator Driver is capable of controlling from 8 to 72 zones of 2 LEDs (alarm and trouble) or 3 LEDs each (alarm, supervisory and trouble) for use with columnar or graphic annunciators.

The MR-2614EH-Z Series Annunciators have 3 LEDs per zone, Acknowledge, Signal Silence, Reset and Lamp Test buttons and a key lock to activate the buttons complete inside a surface mount cabinet. There are 8, 16, 24 and 48 zone models available.

The MR-2614EHS+MR-2622S is a 16 Zone Annunciator (3 LEDs per zone) complete inside a surface mount cabinet. It mimics the display of the MR-2616 Fire Panel. The MR-2614S is an 8 Zone Annunciator (2 LEDs per zone) complete with a surface mount cabinet. It mimics the display of the MR-2608 Fire Panel. Both annunciators come complete with a Lamp Test button that will also locally silence the annunciator.

The MR-2614 connects to the MR-2608, MR-2616 and MR-2400 Fire Panels using the annunciator port. Connection between the MR-2614 and the MR-2900 requires the use of the MR-2109-3 line driver board in the MR-2900 to drive Port 3. A maximum of 8 annunciators can be connected to a panel.

The LEDs are interfaced to the Annunciator Driver using the MR-2622 Annunciator Strip or the MR-2915 LED Driver. These allow up to all 72 zones to be available. Contact the Secutron Technical Support Department for design help for requirements over 16 zones.

FEATURES

- UL, ULC, and CFSM Listed
- MEA listing pending
- Surface mounting
- From 8 to 72 zones of LED annunciation
- 4 Switch Inputs, 1 standard, 3 optional

MR-2915 LED DRIVER

The MR-2915 LED driver drives up to 8 zones of 3 LEDs each (alarm, supervisory and trouble) for graphic annunciators. There is a 50 pin connector for connection to a wire-wrap socket. The LEDs are connected to the wire-wrap legs of the socket. Though normally powered from the MR-2614, the LEDs connected to the MR-2915 can be powered by a separate 5VDC supply connected to the board. A jumper must be set to use the external power supply.

MR-2622 LED STRIP

The MR-2622 LED strip driver has 8 zones of 3 LEDs each (alarm, supervisory and trouble) for columnar annunciators. It has a jumper for setting which set of 8 zones (1 to 8, 9 to 16 or 17 to 24) it is for.

TECHNICAL DATA

MR-2614

Voltage	24VDC
Normal Current	20 mA
Max. Current	MR-2614 115 mA MR-2614EH 155 mA
Switch	SPST N/O momentary contact

MR-2622

Voltage	24 VDC
Normal Current	5 mA
Maximum Current	125 mA

Cabinet Dimensions

MR-2614S or MR-2614EHS (8 Zones)	23.4 cm H x 12.7 cm W x 1.9 cm T 9¼" H x 5" W x ¾" T
MR-2614EHS+MR-2622S (16 Zones)	23.4 cm H x 25.5 cm W x 1.9 cm T 9¼" H x 10" W x ¾" T
MR-2614EH-Z8	28.3 cm H x 15.6 cm W x 5.4 cm D 11.125" H x 6.125" W x 2.125" D
MR-2614EH-Z16	28.3 cm H x 28.3 cm W x 5.4 cm D 11.125" H x 11.125" W x 2.125" D
MR-2614EH-Z24	41.0 cm H x 28.3 cm W x 5.4 cm D 16.125" H x 11.125" W x 2.125" D
MR-2614EH-Z48	41.0 cm H x 48.6 cm W x 5.4 cm D 16.125" H x 19.125" W x 2.125" D

Connections

Maximum Distance	900m (3000 ft), 22 AWG
Communication Wire	18 to 22 AWG Twisted Pair
Power Wire	18 AWG

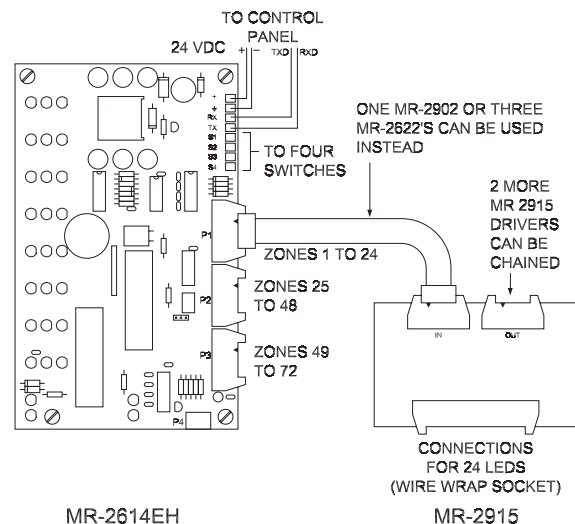
Note: For reliable communications, the MR-2614 must be powered from the fire panel. If an external power supply is used, the negative of the power supply must be connected to the Aux Power negative of the fire panel.

Number of Units	1 MR-2614 + 7 MR-2614EH or 8 MR-2614EH
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Note: All but the furthest MR-2614 will need the 3.9k pull up resistor removed from across its terminals.

ORDERING INFORMATION

Model	Description
MR-2614	Basic Annunciator Board, 2 LEDs per zone (MR-2608 use only)
MR-2614EH	Enhanced Annunciator Board, 3 LEDs per zone (MR-2616, MR-2400 and MR-2900 use)
MR-2614S	8 Zone Annunciator c/w MR-2614, Cabinet and Lamp Test switch
MR-2614EHS	8 Zone Annunciator c/w MR-2614EH, Cabinet and Lamp Test push button
MR-2622S	8 Zone Expander Cabinet for MR-2614EHS c/w MR-2622
MR-2614EH-Z8	8 Zone Annunciator c/w Cabinet and 4 push buttons and key lock for buttons
MR-2614EH-Z16	16 Zone Annunciator as above
MR-2614EH-Z24	24 Zone Annunciator as above
MR-2614EH-Z48	48 Zone Annunciator as above
MR-2915	LED Driver, 8 zones x 3 LEDs
MR-2902	Annunciator Strip, 24 Zones x 3 LEDs
MR-2622	Annunciator Strip, 8 Zones x 3 LEDs
MR-RB10-12 MR-RB10-24 MR-RB10-36	10 Conductor Ribbon Cable, 12,24 or 36 inches long for connecting MR-2902, MR-2622 and MR-2915 to MR-2614
MR-RB50	50 Conductor Ribbon Cable for connecting LEDs to MR-2915
MR-WWSKT	50 Pin Wire Wrap Socket for MR-2915



Wiring Diagram



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MODUL-R MR-2614 LED Annunciator