MDL3

Sync Modules for the SpectrAlert® and SpectrAlert® Advance Series

NOTIFIER® by Honeywell

Audio/Visual Devices

General

The Sync•Circuit module synchronizes SpectrAlert® strobes at 1 Hz and horns at temporal 3 over a single pair of wires. Patented module technology also allows the silencing of horns and chimes on horn/strobe and chime/strobe models over a pair of wires.

Application Flexibility. The Sync•Circuit module is designed to power and synchronize either two 3-amp circuits wired in Class B or one 3-amp circuit powered as Class A. Should more than two zones require synchronization, additional modules can be added by interconnecting the "slave" input and output terminals between modules.

Module Configuration

Each MDL3 module has the capability of connecting two Style Y (Class B) circuits or one Style Z (Class A) circuit.

The NAC output(s) from the panel are connected to the zone input(s) of the MDL3 module and the zone output(s) from the MDL3 module are connected to the notification loop(s). Supervision is accomplished in the module by a direct connection between the zone input and the zone output of each of the two zone circuits connected to the normal end-of-line device. The FACP "sees" the EOL device through the MDL3 module. When either or both outputs (zones 1 & 2) from the module are wired to the SpectrAlert and SpectrAlert Advance products, the horns and strobes in both zones will be synchronized.

The MDL3 module can be configured so that more than two zones can be synchronized by the interconnection of the slave input and output (see Application Examples).

Electrical Specifications

Voltage range: Regulated: 12 VDC/FWR (8.0 V to 17.5 V) or 24 VDC/FWR (16.0 V to 33.0 V)

Maximum load on loop: 3 amps.

Current draw: See chart.

Operating temperature: 0°C to 49°C (32°F to 120°F).

Physical Specifications

Dimensions: 5.25 in L x 5.25 in W (13.3 cm L x 13.3 cm W)

Mounting: 4.69" x 4.69" x 2.125" (11.9 cm x 11.9 cm x 5.4 cm)

Indoor Operating Temperature: 32ºF to 120ºF (0ºC to 49ºC)

Synchronize SpectrAlert Horns and Strobes

- Each module can power two three-amp circuits wired in Class B, or one three-amp circuit powered as Class A.
- Each module will synchronize two zones.



- Additional modules can be added and may be synchronized to all other modules by interconnecting the "slave" input and output terminals between modules.

PRODUCT LINE INFORMATION

MDL3R - Sync module for use with SpectrAlert and SpectrAlert Advance Series, red.

MDL3RA - Sync module for use with SpectrAlert and SpectrAlert Advance Series, red, *for Canada*

MDL3W - Sync module for use with SpectrAlert and SpectrAlert Advance Series, white.

MDL3WA - Sync module for use with SpectrAlert and SpectrAlert Advance Series, white, *for Canada*

Agency Listings and Approvals

The listings and approvals below apply to the basic control panel. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL:** S4011
- **ULC:** S5512
- **CSFM:** 7300-1653:202
- **FM Approved**

Current Draw

Voltage	Average Current (mA)		Peak Current (mA)		In-rush Current (mA)		NAC Slave Input (mA)	
	DC	FWR	DC	FWR	DC	FWR	DC	FWR
12	10	12	50	60	100	120	3.5	4
24	12	15	60	75	120	150	4.5	5

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