MDL3
Sync Modules for the SpectrAlert® and SpectrAlert® Advance Series

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: 32°F to 120°F (0°C to 49°C)

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.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Average Current (mA)</th>
<th>Peak Current (mA)</th>
<th>In-rush Current (mA)</th>
<th>NAC Slave Input (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DC</td>
<td>FWR</td>
<td>DC</td>
<td>FWR</td>
</tr>
<tr>
<td>12</td>
<td>10</td>
<td>12</td>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>24</td>
<td>12</td>
<td>15</td>
<td>60</td>
<td>75</td>
</tr>
</tbody>
</table>

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
This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information, contact Fire•Lite Alarms. Phone: (800) 627-3473, FAX: (877) 699-4105. www.firelite.com