

SPECTRAlert[®] Sync-Circuit™ Module

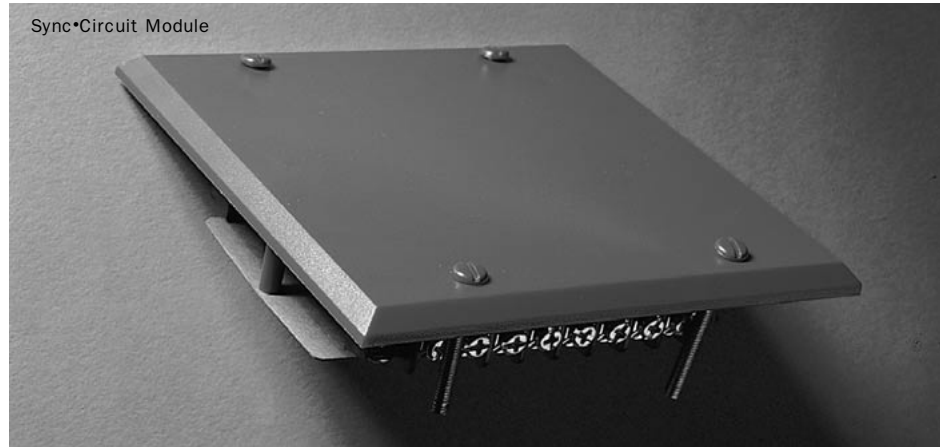


Models Available

MDL (Red)
MDLW (White)

Canadian Models

MDLA (Red)
MDLWA (White)



Product Overview

Two wire operation from module to the devices

Silences horns over a two wire loop

Synchronizes strobes at 1 Hz

Synchronizes horns to temporal 3 pattern

Patented technology

Allows slave module operation

Generates synchronized temporal 3 tone for Multi-Alert™ and PA400 horn products

Technology. 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 on horn/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.

Additional Capabilities. The Sync-Circuit module is also designed to generate temporal 3 tone for System Sensor’s Multi-Alert and PA400 Mini-Alert sounders. Existing installations can be upgraded to comply with NFPA 72.

Engineering Specifications

Synchronization Circuit Module shall be a System Sensor Sync-Circuit Model _____ listed to UL464 and shall be approved for fire protective service. The module shall synchronize SpectrAlert[®] strobes at 1 Hz and horns at temporal 3. Also, the module shall be capable of silencing the horns on horn/strobe models, while operating the strobes, over a single pair of wires. The module shall be capable of mounting to a 4¹/₁₆” x 4¹/₁₆” x 2¹/₈” back box and shall control two Style Y (class B) or one Style Z (class A) circuit. The module shall be capable of multiple zone synchronization by connecting multiple modules together via a slave-in/slave-out arrangement and re-synchronizing each other along the chain. *Note: The module shall not operate on a coded power supply.*



General Specifications

Dimensions
5¼" L x 5¼" W

Mounting
4¼" x 4¼" x 2½" back box

Indoor Operating Temperature
32° to 120° F (0° to 49° C)

Operating Specifications

Operating Voltage
12 or 24 VDC and FWR unfiltered

Operating Voltage Range (12 V)
9 to 17.5 VDC

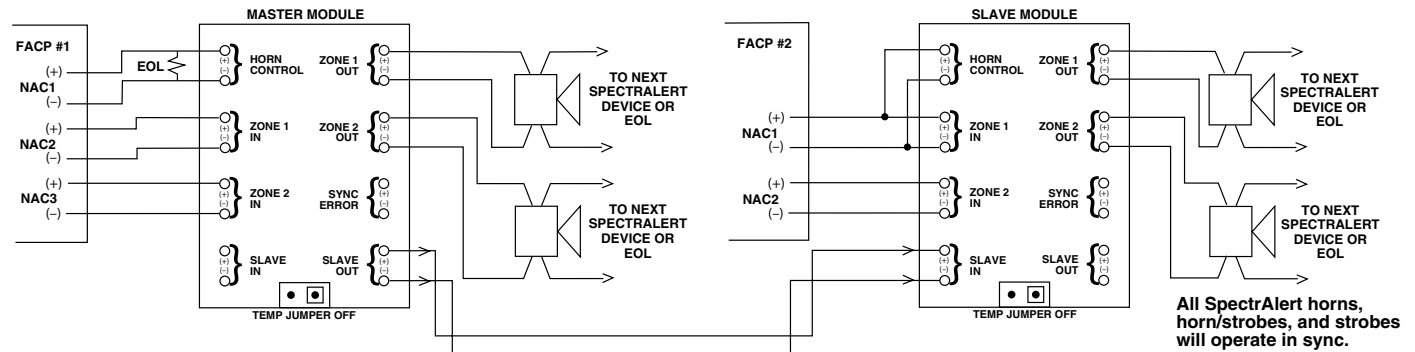
Maximum Load on Loop
3 Amps/zone

Operating Voltage Range (24 V)
17 to 33 VDC

U.S. Patent Nos.
5,598,139 5,850,178

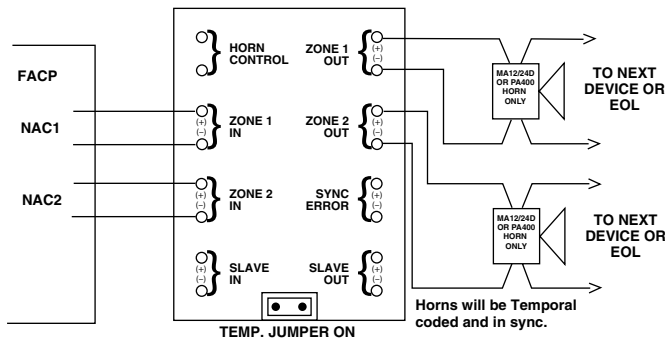
Horns Silenced Over Two-Wire Circuit

- Any mix of Horn/Strobes or Strobe only devices is acceptable
- Horn control connects to interruptible power source



Temp 3 Coding of Multi-Alert and PA400 Sounders

Strobes must be powered from non-coded supply



Ordering Information/Current Draw

Model No. (Red)	Model No. (White)	Voltage	Average Current (mA)		Peak Current (mA)		In-rush Current (mA)	
			DC	FWR	DC	FWR	DC	FWR
MDL, MDLA (Canadian)	MDLW, MDLWA (Canadian)	12	10	12	30	31	87	122
		24	11	15	35	37	198	262

System Sensor Sales and Service

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System Sensor – Far East
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Fx: 85.22.736.6580

System Sensor – Australia
Ph: 613.54.281.142
Fx: 613.54.281.172

System Sensor – India
Ph: 91.124.237.1770 x.2700
Fx: 91.124.237.3118

System Sensor – Russia
Ph: 70.95.937.7982
Fx: 70.95.937.7983