SYSTEM SENSOR®

Sync•Circuit™ Module

SPECTRAlert®

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

Features

- Two-wire operation from module to the devices
- Silences horns and chimes over a two-wire loop
- Synchronizes strobes at 1 Hz
- Synchronizes horns and chimes to temporal 3 pattern
- Patented technology
- Allows slave module operation

The MDL Module is designed to work with the SpectrAlert and SpectrAlert Advance series of notification appliances to provide a means of synchronizing the temporal-coded horns and chimes, synchronizing the one-second flash timing of the strobe, and silencing the horns and chimes of the horn/strobe and chime/strobes combination over a two-wire circuit while leaving the strobes active.

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.

Agency Listings

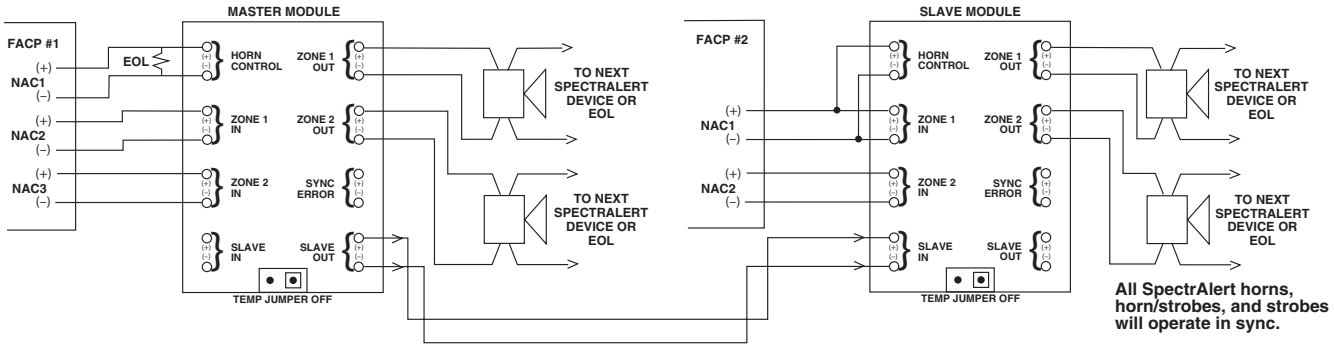
S512 CS548/549 7300-1209:179 0D4A7.AY 254-97-M

Sync•Circuit™ Module Specifications

Architectural/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 4 11/16″ × 4 11/16″ × 2 1/8″ 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.	
Physical Specifications	
Dimensions	5¼″ L × 5¼″ W
Mounting	4 11/16″ × 4 11/16″ × 2 1/8″ back box
Indoor Operating Temperature	32° to 120° F (0° to 49° C)
Electrical/Operating Specifications	
Operating Voltage	12 or 24 VDC and FWR unfiltered
Operating Voltage Range (12 V)	9 to 17.5 VDC
Operating Voltage Range (24 V)	17 to 33 VDC
Maximum Load on Loop	3 Amps/zone
U.S. Patent Nos.	5,598,139 5,850,178

Horns and Chimes Silenced Over Two-Wire Circuit

1. Any mix of Horn/Strobes, Chime/Strobes or Strobe only devices is acceptable
2. Horn and chime control connects to interruptible power source



Current Draw and Ordering Information

			Average Current (mA)		Peak Current (mA)		In-rush Current (mA)	
Red	**White**	**Voltage**	**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

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