ഇ്ട് Simplex

TrueAlert[®] Notification Appliances

UL, ULC Listed; FM, CSFM, and MEA (NYC) Approved*

SmartSync[™] Control Module and Strobe Synchronization Modules

Features

Convert conventional Notification Appliance Circuits (NACs) into SmartSync circuits or synchronized strobe circuits:

- SmartSync Control Modules combine separate horn and strobe NAC inputs into a 2-wire control that can silence horns while maintaining synchronized strobe operation**
- Synchronized Flash Modules provide a 2-wire synchronized strobe output that also operates compatible 24 VDC conventional reverse polarity notification appliances**

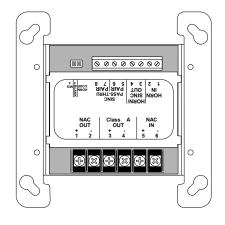
SmartSync Control Module (SCM) provides two-wire control to separately activate horns and strobes:

- Operation allows "on-until-silenced" and "on-until-reset" on the same two-wire pair while maintaining supervision continuity
- SmartSync horns sound as Temporal or March Time pattern, or continuous, controlled separately from strobes on the same circuit
- Strobes on the same circuit operate at a synchronized 1 Hz flash rate
- Output is either Class B or Class A

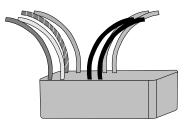
Conventional strobe synchronization models:

- Encapsulated package with color coded wire leads provides 1 Hz strobe synchronization and maintains supervision continuity
- Conventional horns and other DC appliances operate on the same 2-wire circuit
- Models are available with Class B or Class A output
- Small size allows convenient mounting

UL listed to Standard 1971



4905-9938 SmartSync Control Module (SCM), Shown Approximately 1/2 Size



4905-9922, Class A Synchronized Flash Module, Shown Approximately 1/2 Size

SmartSync Control Module (SCM)

Model 4905-9938 SCM (SmartSync Control Module) converts two conventional NAC inputs into a SmartSync two-wire NAC output. One NAC can be programmed to operate as "on-until-silenced" and would be designated as the horn control (non-coded, on continuously during alarm). A second NAC would be programmed to provide "on-until-reset" operation and would be for the visible appliance (strobe) control (also non-coded, on continuously during alarm). Power is supplied by the strobe control NAC.

Selectable Horn output and Synchronized

Strobes. In addition to operating the strobe and the horn independently, the SCM can be switch selected to operate the horns as temporal coded, march time coded (60 beats/minute), or on continuously. Strobes are activated with 1 Hz synchronized flashes.

¹ These products have been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7125-0026:198 and 7125-0026:235 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. Accepted for use – City of New York Department of Buildings – MEA35-93E. Additional listings may be applicable; contact your local Simplex® product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Safety Products Westminster.

^{**} Simplex two-wire strobe synchronization operation is protected by U.S. patent No. 5,559,492 and SmartSync horn/strobe operation is protected under U.S. Patent No. 6,281,789.

Additional SCM Features

Multi-Sync Mode. Up to eight SCMs can be interconnected to synchronize system notification. Interconnected SCMs are supervised for proper circuit connection. The horn input NAC powers the Multi-Sync function.

Isolated NAC Inputs. Both NAC inputs are isolated from each other and can be supplied from different control panels.

Class B (Style Y) and Class A (Style Z) output operation are both supported.

Earth fault detection is provided by the strobe control NAC during supervision mode.

For additional information refer to Installation Instructions 574-719.

Synchronized Flash Modules

Model 4905-9914 and 4905-9922 add the required control to activate Simplex synchronized strobes for NACs that do not provide that control. Conventional horns or other compatible 24 VDC notification appliances on the same circuit ignore strobe synchronization and operate when the NAC is in alarm.

For additional information refer to Installation Instructions 579-232.

Product Selection

Model	Description	Package Details		
4905-9938	SmartSync Control Module, Class A or Class B output	Dimensions: 4" x 4-1/8" x 1-1/4" D (102 mm x 105 mm x 32 mm); mounts in 4" (102 mm) square box		
4905-9914	Class B Synchronized Flash Module	Dimensions: 1-3/8" x 2-7/16" x 13/16" D (35 mm x 62 mm x 20 mm); epoxy encapsulated with 8" (203 mm) in/out 18 AWG (0.82 mm ²) wire		
		leads; rated for 2 A NAC; requires 5 mA for power		

Specifications

General Specifications				
Temperature Range	32° to 122° F (0° to 50° C)			
Humidity Range	10% to 93%, non-condensing at 100° F (38° C)			
4905-9938 SmartSync NAC Modules	(for use with SmartSync compatible appliances)			
Input Voltage Range	16 VDC to 33 VDC; with a maximum ripple of 2 V peak-to-peak			
	2 A maximum; can be wired as Class A or Class B			
Output Ratings	Up to 35 maximum SmartSync appliances with strobes			
	Up to 40 maximum SmartSync horn-only appliances			
Strobe Control NAC Input Current	Output NAC current, plus 30 mA @ 24 VDC for SCM operating power			
Horn Control NAC Current	4 mA @ 24 VDC			
Class A Operation Mounting Requirement	Mount SCM within 20 ft (6 m) of control panel, use metal conduit			
4905-9914 & 4905-9922 Synchronizat	ion Modules			
Input Voltage Range	16 VDC to 33 VDC			
	2 A maximum output; requires 5 mA for power			

NAC Capability Reference

Control Panels/NAC Source	Available Output	Module Required/Function		
4010 Series Fire Alarm Control	Class A or Class B Strobe Synchronization	NA		
Panels	Class B SmartSync Operation	4905-9938 for Class A SmartSync operation		
4006, 4008, and 4100U Series	Class A or Class B Strobe Synchronization	NA		
Fire Alarm Control Panels	Class A or Class B SmartSync operation	NA		
Model Series 4003, 4004, 4005, 4100, 4120, 4020, 4001, & 4002	Conventional reverse polarity NACs,	4905-9914 for Class B synchronized strobes		
Control Panels; 2190 Series	additional modules are required to control synchronized strobes and/or SmartSync	4905-9922 for Class A synchronized strobes		
Signal ZAMs; 4009 Series Conventional NAC Extenders	appliances	4905-9938 for SmartSync control		
4009 IDNet NAC Extenders	Class A or B Strobe Synchronization	NA		
4009 IDINELINAC EXTENDERS	Class B SmartSync Operation	4905-9938 for Class A SmartSync operation		

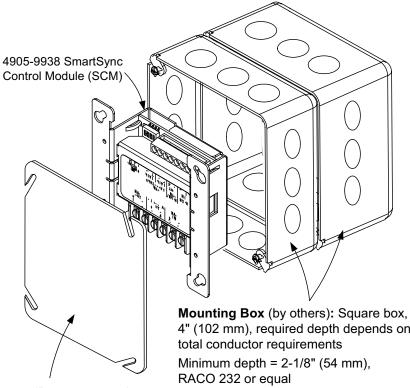
Module Reference		
Module	Description	
4905-9938	SmartSync Control Module, provides Class A or Class B SmartSync operation	
4905-9914	Class B Strobe Synchronization Module	
4905-9922	Class A Strobe Synchronization Module	

Compatible Appliance Reference

Appliance Type		-	Model*		Module Reference**
Horn	Wall mount; selectable for SmartSync operation		4901-9820		4905-9938
	Wall mount; synchronized; also SmartSync compatible	4904-9331	4904-9342	4906-9101	4905-9914 4905-9922 4905-9938
		4904-9332	4904-9343	4906-9103	
Strobes		4904-9333	4904-9344		
010503	Ceiling mount; selectable for	4904-9183	4904-9345	4906-9102	
	synchronized flash; also SmartSync compatible	4904-9184	4904-9346	4906-9104	
		4904-9185			
	Wall mount; horn and strobe can be wired separately (4-wire); strobes are selectable for synchronized flash	4903-9425	4903-9427	4903-9432	4905-9914 4905-9922
		4903-9426	4903-9431	4903-9433	
		4903-9331	4903-9342	4906-9127	4905-9938
	Wall mount; SmartSync operation only (2-wire)	4903-9332	4903-9343	4906-9129	
A/V		4903-9333	4903-9344		
Horn/Strobe	Ceiling mount; SmartSync operation only (2-wire)			4906-9128	
				4906-9130	
	Rectangular case wall mount; horn and strobe can be wired separately (4-wire); strobes are selectable for synchronized flash	4903-9252	4903-9257	4903-9256	4905-9914 4905-9922
		4903-9253	4903-9258		
		4903-9254	4903-9255		
	Wall mount; strobes are selectable for synchronized flash	4903-9356	4903-9359	4906-9151	
		4903-9357	4903-9360	4906-9153	
		4903-9358	4903-9361		
S/V	Ceiling mount; strobes are selectable for synchronized flash	4903-9196	4903-9198	4906-9154	4905-9914
Speaker/Strobe		4903-9197			4905-9922
	Rectangular case wall mount; strobes are selectable for synchronized flash	4903-9148	4903-9150H	4903-9194	
		4903-9149	4903-9153	4903-9195	
		4903-9150	4903-9193		

*Bolded PIDs are Multi-Candela products.

** Modules listed are required if control panel NAC or NAC extender does not provide either synchronized strobe output or SmartSync control output as required for proper appliance operation.



4" square cover plate, RACO 752 or equal (by others)

4" (102 mm), required depth depends on

Extended depth (for maximum conductors), add 1-1/2" (38 mm) extension ring, RACO 201 or equal

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