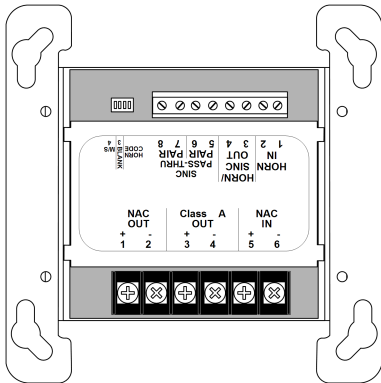
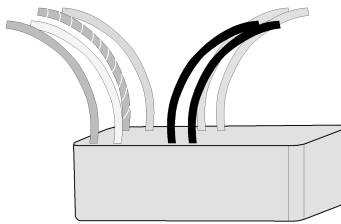


Features



**Fig 1: A4905-9938
SmartSync Control Module**



**Fig 2: A4905-9922 Class A
Synchronized Flash Module**

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

- Autocall 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

SmartSync Control Module (SCM)

SKU A4905-9938 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.

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 574-719AC.

Synchronized Flash Modules

SKU A4905-9914 and A4905-9922 add the required control to activate Autocall 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 579-232AC.

* Additional listings may be applicable; contact your local product supplier for the latest status.

SmartSync Control Module and Strobe Synchronization Modules

Product Selection

SKU	Description	Package Details
A4905-9938	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
A4905-9914	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
A4905-9922	Class A Synchronized Flash Module	
A4090-9813	Adapter plate to fit 4 ¹¹ / ₁₆ " (119 mm) square electrical box	

Specifications

Table 1: General Specifications

Range	Specifications
Temperature Range	32° to 122° F (0° to 50° C)
Humidity Range	10% to 93%, non-condensing at 100° F (38° C)

Table 2: A4905-9938 SmartSync NAC Modules

A4905-9938 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
Output Ratings	2 A maximum; can be wired as Class A or Class B
	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

Table 3: A4905-9914 & A4905-9922 Synchronization Modules

A4905-9914 & A4905-9922 Synchronization Modules	
Input Voltage Range	16 VDC to 33 VDC
Output Ratings	2 A maximum output; requires 5 mA for power
	Up to 35 maximum strobes per synchronized circuit
	Mount in control panel or separate 4" (51 mm) square electrical box, 1-1/2" (38 mm) minimum depth

NAC Capability Reference

Table 4: NAC Capability Reference

Control Panels/NAC Source	Available Output	Additional Module Required/Function
4007ES Hybrid, 4010ES, 4100ES Series Fire Alarm Control Panels; and 4009 IDNet NAC Extenders	Class A or Class B Strobe Synchronization	none
	Class A or Class B SmartSync operation	none
A2190 Series Signal ZAMs; 4009 Series Conventional NAC Extenders	Conventional reverse polarity NACs, additional modules are required to control synchronized strobes and/or SmartSync appliances	A4905-9914 for Class B synchronized strobes
		A4905-9922 for Class A synchronized strobes
		A4905-9938 for SmartSync control

Table 5: Module Reference

SKU	Description
A4905-9938	SmartSync Control Module, provides Class A or Class B SmartSync operation
A4905-9914	Class B Strobe Synchronization Module
A4905-9922	Class A Strobe Synchronization Module

Compatible Autocall Appliance Reference

Note: Refer to specific appliance data sheets for additional compatibility and product information

Table 6: Module Reference

Appliance Type		SKU	Module Reference*
Horn	Wall mount; set for SmartSync operation	A4901-9820	A4905-9938
Chime	Wall mount, SmartSync operation only	A4902-9210	A4905-9938
Multi-Tone Horn, w/520 Hz Tone	Wall mount, set for SmartSync operation	A49CMT-APPLW	A4905-9938
Strobes	Wall mount; synchronized; also SmartSync operation compatible	A4906-9106 A4906-9105 A4906-9103 A4906-9101 A4906-9107 A4906-9108 A4906-9109 A4906-9111	A4905-9914 A4905-9922 A4905-9938 for SmartSync operation
	Ceiling mount; selectable for synchronized flash; also SmartSync operation compatible	A4906-9102	
A/V Horn/Strobe	Wall mount; SmartSync operation only	A4906-9127 A4906-9129	A4905-9938
	Ceiling mount; SmartSync operation only	A4906-9128 A4906-9130 A4906-9140 A4906-9142	
A/V Multi-Tone Horn/Strobe	520 Hz, Wall mount; SmartSync operation only	A49CMTV-APPLW	A4905-9938
S/V Speaker/Strobe	Wall mount; strobes are selectable for synchronized flash	A4906-9151	A4905-9914
		A4906-9153	A4905-9922

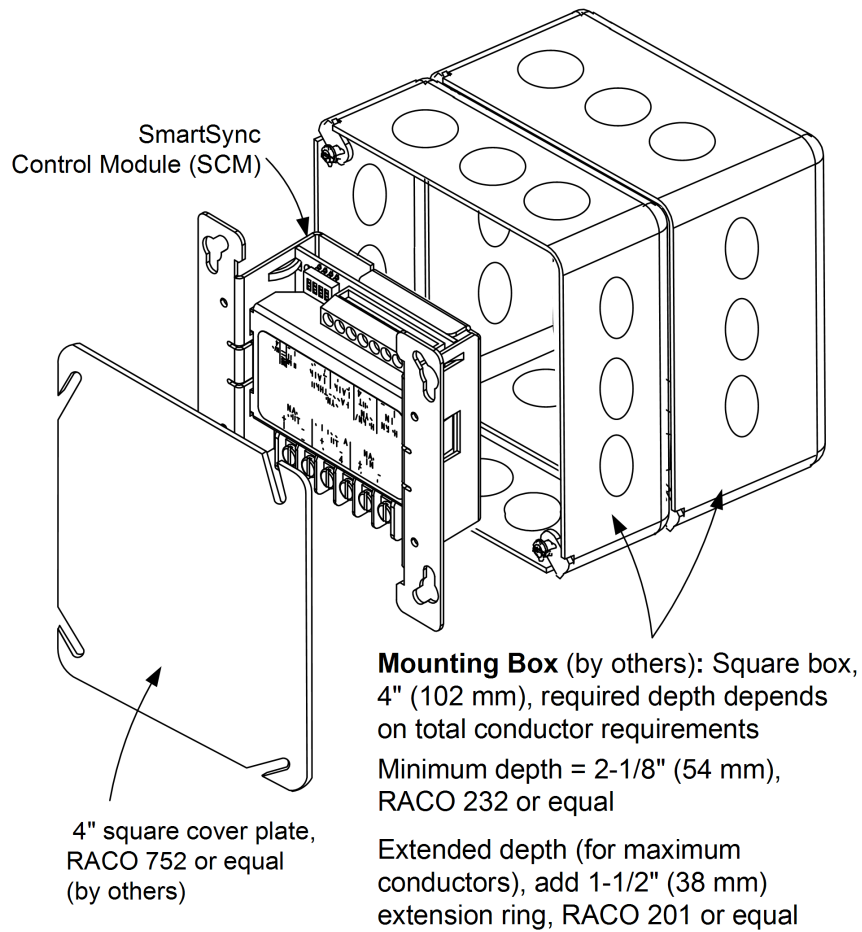
SmartSync Control Module and Strobe Synchronization Modules

Table 6: Module Reference

Appliance Type		SKU	Module Reference*
	Ceiling mount; strobes are selectable for synchronized flash	A4906-9154	

* 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.

SCM Installation Reference



Note: Figure shows A4905-9938 SmartSync Control Module (SCM)

