

**Features****24 VDC powered xenon flashtube visible notification appliance (strobe) for wall mounting:**

- UL listed to Standard 1971
- Models are available with 15, 75, or 110 candela
- Strobe candela rating is clearly indicated on reflector
- Compatible with ADA requirements (refer to important installation information on page 3)
- Diode polarized input for connection to reverse polarity, supervised notification appliance circuit (NAC)
- In/out wiring is accessible from front of housing providing easy access for installation, inspection, and testing
- Regulated circuit design ensures consistent output
- Rugged, high impact, flame retardant thermoplastic housing available in red or white
- Covers are available separately to convert housing color

**Synchronized flash rates for use with:**

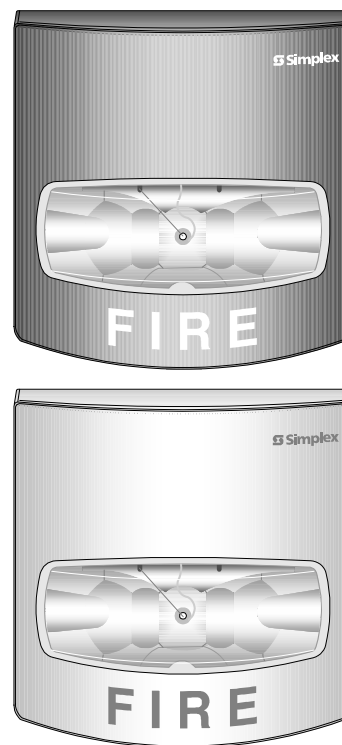
- SmartSync two-wire control, when connected to a compatible fire alarm control panel NAC (refer to page 2 for details)
- SmartSync Control Module (SCM) model 4905-9938 (required for Class A SmartSync operation)
- Synchronization modules for Class B (Style Y) or Class A (Style Z) operation

**TrueAlert notification appliance design provides flexible, easy, and convenient semi-flush or surface wall mounting:**

- Easily mounts to single gang, double gang, or 4-inch square outlet box
- In/out wiring terminals for 18 AWG to 12 AWG wire
- Rear of housing does not extend into box

**Optional adapters and wire guard:**

- Mounting adapters are available to cover surface mounted electrical boxes and to adapt to Simplex 2975-9145 boxes
- UL listed red wire guard is available for semi-flush or surface mounting



TrueAlert Non-Addressable Strobes are Available in Red with White Lettering and White with Red Lettering

**Description**

**TrueAlert non-addressable strobes** provide quick and convenient installation using a flexible mounting design. The strobe housing is a rugged, one-piece assembly (including lens) that mounts to single gang, double gang, or 4" square standard electrical box. Wiring terminals are accessible from the front of the housing, providing easy access for installation, inspection, and testing. The cover can be quickly removed (a tool is required) and when in place, the entire assembly is impact and vandal resistant. Separate covers are available for color conversion.

**Strobe Selection**

Proper selection of visible notification is dependent on occupancy, location, local codes, and proper applications of: the *National Fire Alarm Code* (NFPA 72), ANSI A117.1; the appropriate model building code: BOCA, ICBO, or SBCCI; and the application guidelines of the Americans with Disabilities Act (ADA).

\* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7125-0026:235 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. This product was not ULC listed as of document revision date. Additional listings may be applicable, contact Simplex for the latest status. Refer to page 2 for guard listing.

## Synchronized Strobes

**Multiple Strobes.** When multiple strobes and their reflections can be seen from one location, synchronized flashes reduce the probability of photo-sensitive reactions as well as the annoyance and possible distraction of random flashing. Flash synchronization modules are available to control the observed flashes of synchronized flash models using a two-wire circuit (U.S. Patent No. 5,559,492).

## SmartSync Two-Wire Control

**Background.** Typically, fire alarm control panels activate both audible and visible notification upon receipt of an alarm. At the direction of an authorized operator (or by pre-determined program), audible notification appliances may be silenced before the alarm condition is reset (on-until-silenced) while the visible notification appliances are kept activated until the alarm condition is reset (on-until-reset).

## Product Selection

### Synchronized/SmartSync Compatible Visible Notification Appliances (Strobes)

Model Number	Strobe Output Rating			Housing Color
	15 cd	75 cd	110 cd	
4904-9331	✓			Red with white "FIRE" lettering
4904-9332		✓		
4904-9333			✓	
4904-9342	✓			White with red "FIRE" lettering
4904-9343		✓		
4904-9344			✓	

### Adapters

Model	Description		Dimensions
4905-9937	Surface mount red adapter skirt	Use to cover 1 1/2" deep surface mounted boxes	5 3/8" H x 5 1/4" W x 1 5/8" D (136 mm x 133 mm x 41 mm)
4905-9940	Surface mount white adapter skirt		Total depth with strobe = 4 3/8" (111 mm)
4905-9931	Adapter Plate, red, for mounting to Simplex 2975-9145 box (typically for retrofit, may be mounted vertical or horizontal)		8 5/16" x 5 3/4" x 0.060" Thick (211 mm x 146 mm x 1.5 mm)
2975-9145	Red mounting box, requires Adapter Plate 4905-9931		7 7/8" x 5 1/8" x 2 3/4" D (200 mm x 130 mm x 70 mm)

### Covers and Guard

Model	Description	Dimensions
4905-9959	Red cover with white "FIRE" lettering	5 1/8" H x 5" W x 1 1/2" D (130 mm x 127 mm x 38 mm)
4905-9960	White cover with red "FIRE" lettering	
4905-9961	Wire guard with mounting plate, red, compatible with semi-flush or surface mounted boxes (UL listed by Space Age Electronics Inc.)	6 1/16" H x 6 1/16" W x 3 1/8" D (154 mm x 154 mm x 79 mm)

### Synchronization Modules

Model	Description		Dimensions
4905-9938	SmartSync Control Module, Class A/B, required when up to 8 NACs require synchronization or when operating in two-wire operation mode with horns on same circuit (installs in 4" square box)		4" x 4 1/8" x 1 1/4" D (102 mm x 105 mm x 32 mm)
4905-9914	Synchronized Flash Module, Class B (Style Y) operation	Epoxy encapsulated with in/out 18 AWG wire leads, rated for 2 A NAC, requires 10 mA for power	1 3/8" x 2 7/16" x 13/16" (35 mm x 62 mm x 20 mm)
4905-9922	Synchronized Flash Module, Class A (Style Z) operation		

This operation has traditionally required two different circuits (four-wire operation). The Simplex SmartSync operation mode (patent pending) provides this function using a single circuit (two-wire operation).

**SmartSync two-wire control** is available from:

- **4009 IDNet™ NAC Extender**, models 4009-9201 and 4009-9301 (refer to data sheet S4009-0002)
- **4010 Fire Alarm Control Panel** with operating software Revision 2.X or higher (refer to data sheet S4010-0001)
- **SmartSync Control Module (SCM)** 4905-9938, provides a SmartSync interface to conventional NACs and also is used with the 4009 IDNet NAC Extender or 4010 Control Panels to provide Class A operation (refer to data sheet S4903-0010 for more information)

**Additional SmartSync** compatible products include separate horns and combination horn/strobe Audible/Visible notification appliances. Contact Simplex for information on these related products.

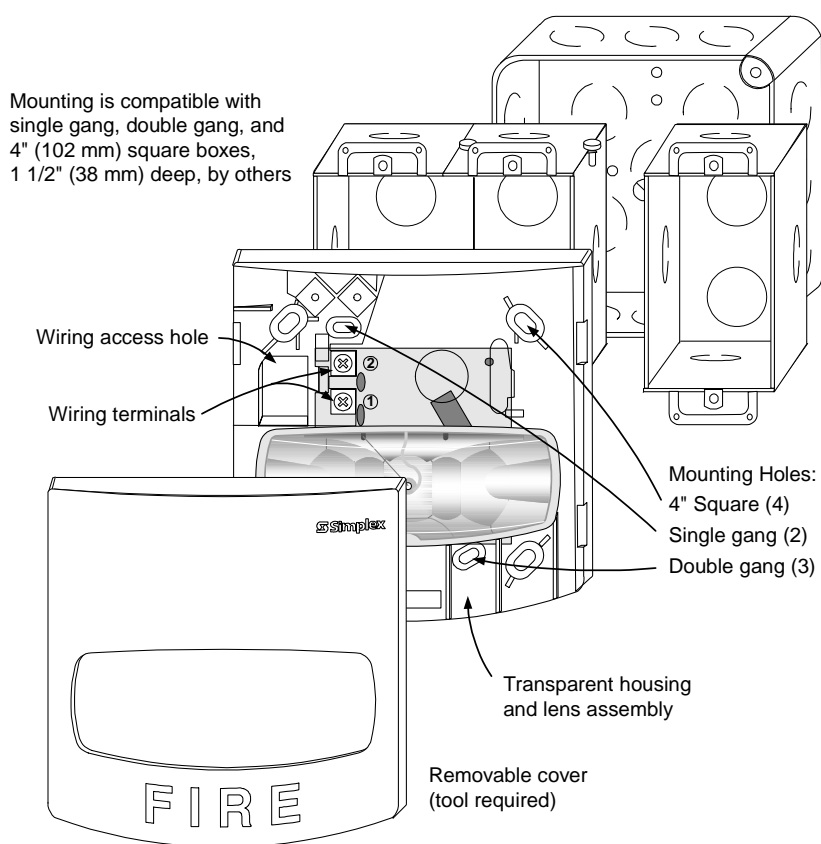
## Strobe Specifications

Rated Voltage Range		16 VDC to 33 VDC, see Note 1 below					
Flash Rate		1 Hz					
Synchronized NAC Loading		Up to 35 synchronized strobes maximum per NAC					
Current Rating, Nominal Average (see Note 2 below)		<b>16 VDC</b>	<b>17 VDC</b>	<b>18 VDC</b>	<b>19 VDC</b>	<b>20 VDC</b>	<b>24 VDC</b>
	15 cd	77 mA	72 mA	67 mA	63 mA	58 mA	53 mA
	75 cd	202 mA	190 mA	177 mA	165 mA	152 mA	125 mA
	110 cd	261 mA	245 mA	229 mA	213 mA	197 mA	163 mA
Housing Dimensions (including lens)		5 1/8" H x 5" W x 2 3/4" D (130 mm x 127 mm x 70 mm)					
Temperature Range		32° to 122° F (0° to 50° C)					
Humidity Range		10% to 93%, non-condensing at 100° F (38° C)					
Connections		Terminal blocks for 18 AWG to 12 AWG					

### NOTES:

1. The rated voltage range listed is the absolute operating range. Operation outside of this range may cause permanent damage to the strobe. Please note that 16 VDC is the lowest operating voltage that is allowed at the last appliance on the notification appliance circuit under worst case conditions.
2. NAC voltage drops and standby battery calculations should be made using anticipated operating conditions. Operation above 24 VDC draws less current.

## Installation Reference, Surface or Semi-Flush Mounting



### **IMPORTANT ! INSTALLATION MOUNTING HEIGHT REFERENCE**

Bottom of lens is either even with, or slightly above bottom of compatible boxes

Electrical box outline

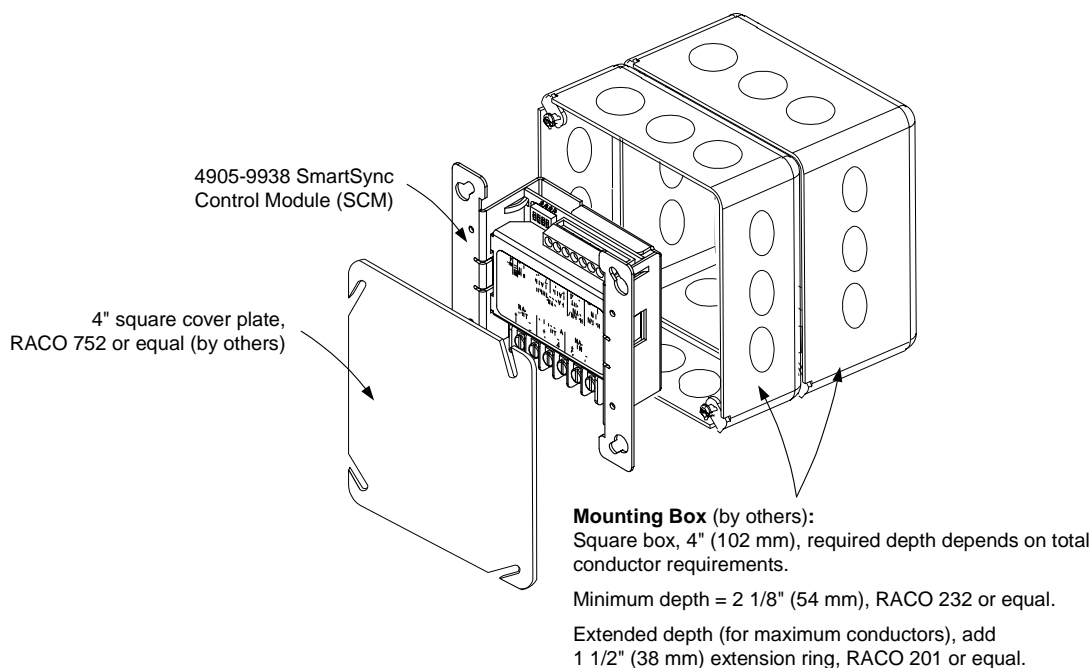
NFPA 72-1999, Section 4-4.4 requires that the entire lens be not less than 80" and not greater than 96" above the finished floor.

80" (2.03 m) minimum

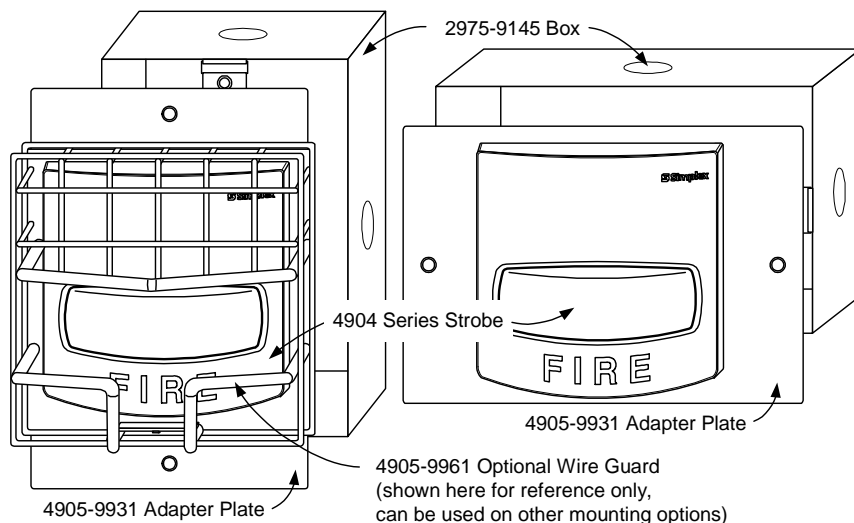
## 4905-9938 SmartSync Control Module (SCM) Reference Specifications

<b>Rated Input Voltage Range</b>	17 VDC to 33 VDC with maximum ripple of 2 V peak-to-peak
<b>SmartSync NAC Output Capacity</b> (for use with SmartSync compatible appliances)	2 A maximum
	Up to 35 maximum SmartSync appliances with strobes
	Up to 40 maximum SmartSync horn-only appliances
<b>Strobe Control NAC Input Current</b>	Output NAC current, plus 30 mA @ 24 VDC for SCM operating power
<b>Horn Control NAC Current</b>	4 mA @ 24 VDC
<b>Class A Operation Mounting Requirement</b>	Mount SCM within 20 ft (6 m) of control panel, use metal conduit

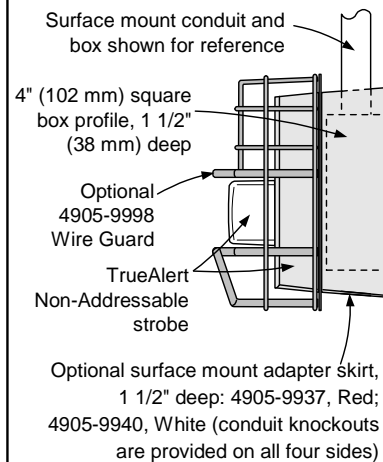
## 4905-9938 SmartSync Control Module Installation Information



## Installation Reference, Adapter Plate, Guard, and Adapter Skirt



### Surface Mounting Reference Showing Optional Wire Guard



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