



June 15, 1998

G-275

SS24ADAS Synchronized Strobe, MASS24ADAS Synchronized Horn/Strobe, with Sync•Circuit™

Section: Audio/Visual Devices

GENERAL

The System Sensor SS24ADAS Series Synchronized Strobes are crystal-controlled to flash at precisely one flash per second. When power is applied to an indicating circuit controlled by one controller, all SS24ADAS or MASS24ADAS series devices in that zone will flash simultaneously. No synchronizing modules or coded supplies are necessary. The strobes can be used in any combination with other System Sensor ADA strobes, ADA horn/strobes, and ADA speaker/strobes.

The unique lens/reflector design maintains the UL 1971 light dispersment pattern while flashing at the ADA minimum 1 flash per second. Available in red at 24 VDC, the SS24ADAS strobes can be surface-mounted directly to a standard 4" (101.6 mm) backbox or can be mounted to our semiflush plate for recessed electrical boxes. They are also available in combination with System Sensor's Multi-Alert™ MA-12/24D horn for both visible and audible signaling.

FEATURES

- Works on two-wire circuit.
- No synchronization module required.
- Synchronized and unsynchronized strobes can be combined on the same zone in any combination.
- Patent pending Sync•Circuit™.
- 24 VDC versions only (for synchronization).
- 15 and 15/75 candela versions available.
- Available with Multi-Alert Sounder (MA-12/24D).
- Constant current draw over voltage range.
- Stand-alone strobe mounts to single-gang box with -SF plate.
- ADA compliant, UL 1971 listed.
- "Installer easy" plug-in terminal strip on stand-alone strobe.
- Strobe flashes are synchronized within individual zones to reduce the risk of seizure for people with photosensitive epilepsy.

APPLICATIONS

All Series SS24ADAS strobes are suitable for primary signaling in public mode life safety applications. The strobes can be connected to the alarm indicating circuit of a UL listed fire alarm control panel. They are compatible with DC line supervision. Panels may have full-wave rectified, unfiltered power supplies. The strobes are available for 24 VDC operation and can be used with the System Sensor Multi-Alert™ horn. Stand-alone strobe versions incorporate these "installer easy" features: plug-in terminal strip, wiring guide, and strip gauge (on back). Semiflush mount-



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ing is available with the addition of an MP-SF accessory plate. When installed in a zone, the SS24ADAS and MASS24ADAS Series devices flash simultaneously.

APPLICATIONS NOTE: *SS24ADAS and MASS24ADAS Series devices operating in the same zone will not be synchronized if energized at different times (i.e., if more than one controller is controlling the same zone).*

SPECIFICATIONS

Input terminals: 12 AWG (3.25 mm²) to 18 AWG (0.75 mm²).

Shipping weight: **SS or SS-ADA Series Strobes:** 5 oz. (141.747 g). **MASS Series Horn/Strobes:** 10.4 oz. (294.835 g).

Operating temperature range: 32°F to 120°F (0°C to 49°C).

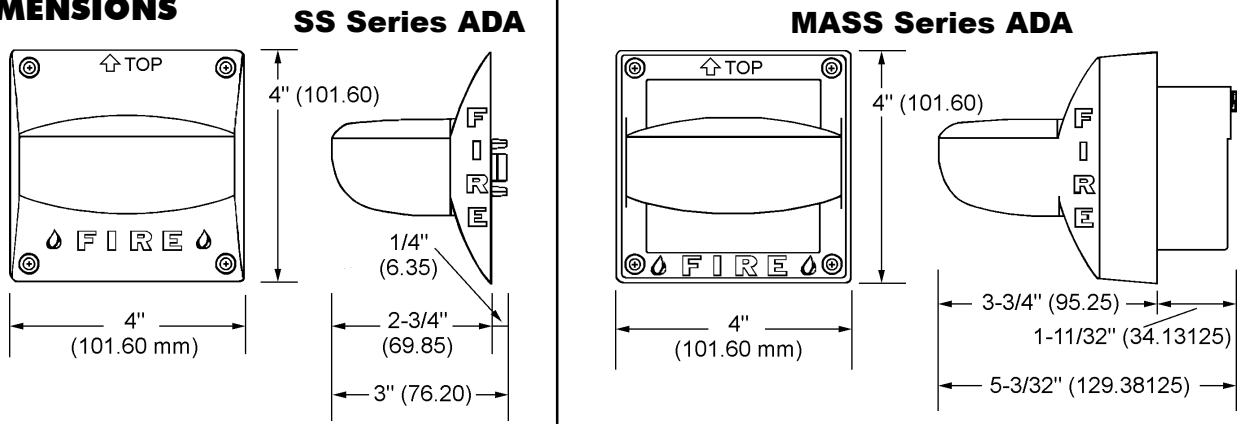
Mounting: Surface: 4" (101.6 mm) x 4" (101.6 mm) x 1-1/2" (38.1 mm) standard backbox (2-1/8" [53.975 mm] deep recommended). **Semiflush:** 4" (101.6 mm) x 4" (101.6 mm) x 1-1/2" (38.1 mm) standard backbox (2-1/8" [53.975 mm] deep recommended) with MP-SF semiflush-mounting plate (order separately).

Dimensions: see illustrations on next page.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Fire•Lite Alarms, One Fire-Lite Place, Northford, Connecticut 06472. Phone: (800) 627-3473, Toll Free FAX: (877) 699-4105, FAX Back:(888) 388-3299
WEB: www.firelite.com

ISO 9001
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ENGINEERING & MANUFACTURING

DIMENSIONS

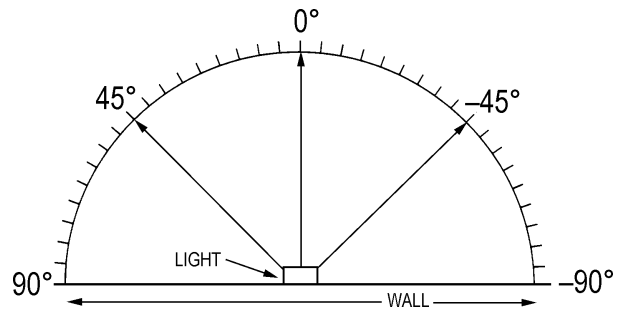
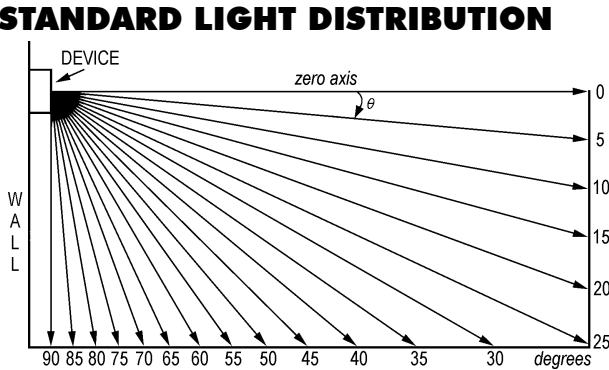


ELECTRICAL RATINGS: STROBE ONLY

Model	Supply Voltage Range	Average Operating Current from Regulated Supply (mA)	Peak Operating Current (mA)	Operating Current from Full-Wave Rectified, Unfiltered Supply (mA _{Arms})*
SS2415ADAS	20 30 VDC	135	250	150
SS241575ADAS	20 30 VDC	220	395	240

*For additional information, see installation instructions, document #D900-06-00.

STANDARD LIGHT DISTRIBUTION



VERTICAL DISPERSION							
Degree	% of Rating	Degree	% of Rating	Degree	% of Rating	Degree	% of Rating
0	100%	45	34%	65	16%	85	12%
5 - 30	90%	50	27%	70	15%	90	12%
35	65%	55	22%	75	13%		
40	46%	60	18%	80	12%		

HORIZONTAL DISPERSION							
Degree	% of Rating	Degree	% of Rating	Degree	% of Rating	Degree	% of Rating
0	100%	50	55%	65	35%	80	30%
5 - 25	90%	55	45%	70	35%	85	25%
30 - 45	75%	60	40%	75	30%	90	25%

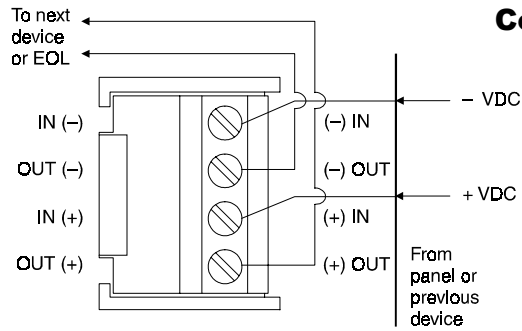
A polar light distribution in both horizontal and vertical directions is mandated for the strobes by the *Standard UL 1971 for the Hearing Impaired*, with specific minimum intensity percentages as shown in the graphs above.

ENGINEERING SPECIFICATIONS

Strobe shall be a System Sensor Model _____ listed to *Standard UL 1971 for the Hearing Impaired* and shall be approved for Fire Protective Service. Strobe shall be wired as a Primary Signaling Notification appliance. Strobe shall also comply with the Americans with Disabilities Act requirements for visible signaling appliances. Strobe shall operate at 24 VDC from a regulated DC supply or full-wave rectified, unfiltered supply. The signaling strobe shall be powered from a non-coded power supply when powered with the horn or powered independently. Visual signaling devices are to be installed in all non-sleeping/corridor and sleeping areas (110 cd only) per plans and specifications. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. Each strobe shall be designed for one flash per second over all operating conditions. All strobes shall be capable of mounting to a standard 4" (101.6 mm) x 4" x 1-1/2" (38.1 mm) backbox, in either a surface mount or semiflush mount with separate mounting plate. Strobe shall flash synchronously with other SS24ADAS and MASS24ADAS Series devices in the same zone for a minimum of 15 minutes.

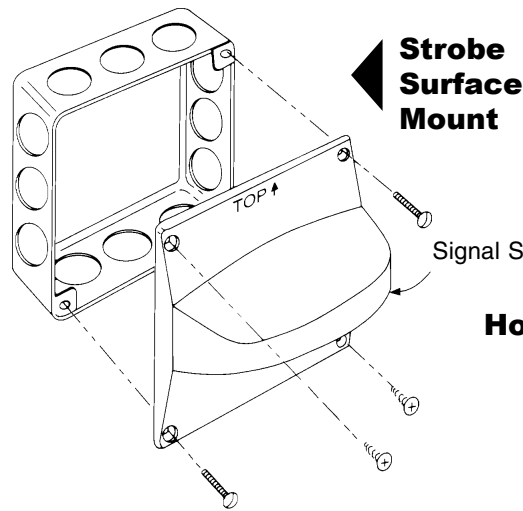
NOTE: SS24ADAS and MASS24ADAS Series devices operating in the same zone will not be synchronized if energized at different times (i.e., if more than one controller is controlling the same zone).

WIRING



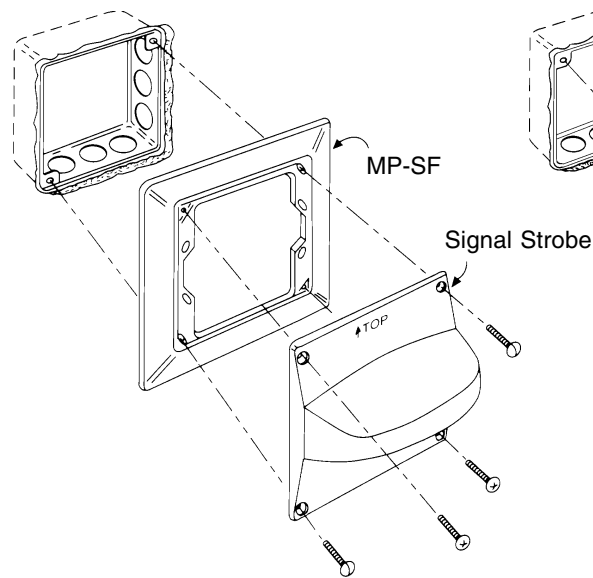
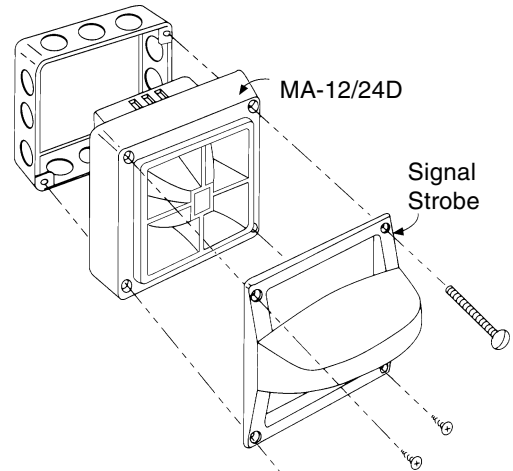
Strobe Only

MOUNTING

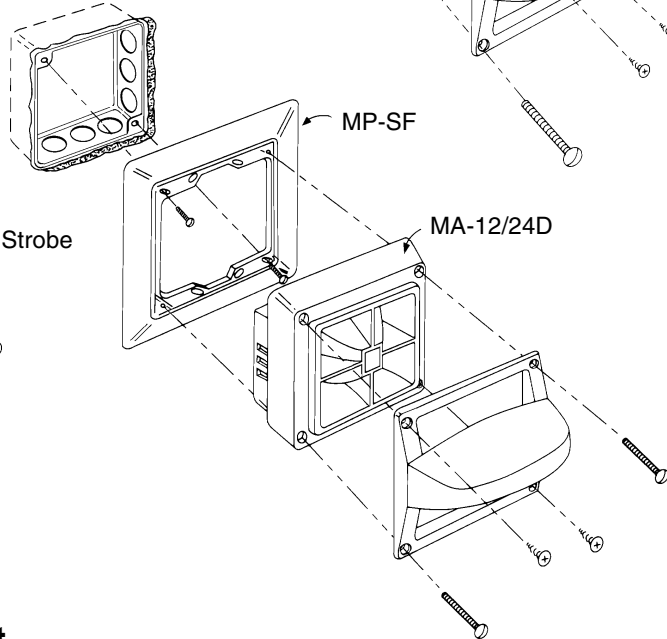


Strobe Surface Mount

Horn/Strobe Surface Mount



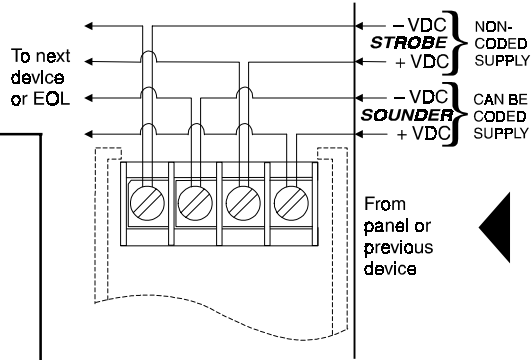
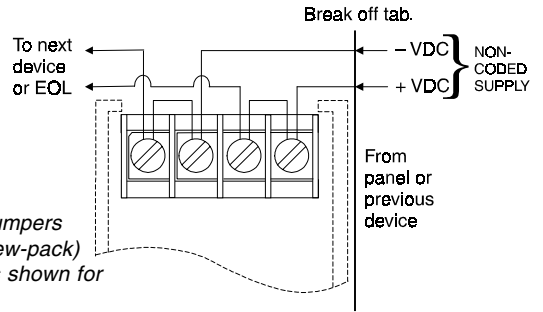
Strobe Semiflush Mount



Horn/Strobe Semiflush Mount

Horn/Strobe Combination

NOTE FOR HORN/STROBE COMBINATION: Jumpers (included in the screw-pack) must be installed as shown for tandem operation.



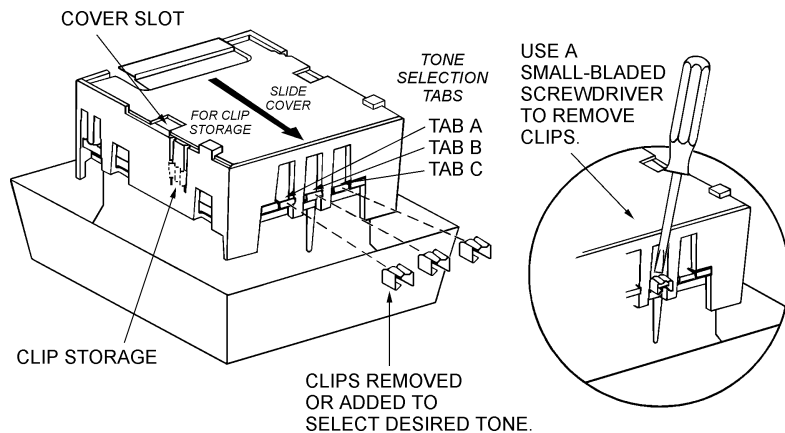
Horn/Strobe Independent

SOUND OUTPUT SELECTION GUIDE

NOTES: 1) See tone selection diagram below for tab clip removal and storage. 2) This selection was previously identified as “Bell/Chime.” This tone may be used for private or public mode in the fire alarm service when used with a 24-volt panel. 3) All models can be powered using full-wave rectified unfiltered supplies. Under no circumstances can SS24ADAS or MASS24ADAS series devices input voltage exceed 33 VDC or be less than 16 VDC (18 to 33 V_{RMS} for full-wave rectified, unfiltered supplies). 4) Measured at 10 feet (3.048 m) in an anechoic chamber. For average outputs, the acoustical output shall meet the current requirements of UL Standard 464. 5) Measured in a UL reverberant room.

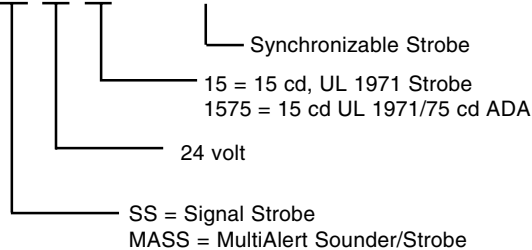
MA SOUNDER TONE SELECTION

FOR STORING UNUSED CLIPS:
SLIDE COVER BACK TO ALIGN
COVER SLOT WITH CLIP STORAGE POST.



HOW TO ORDER

SS2415ADAS



ORDERING INFORMATION