

Notification Appliances

'SL' Series – Horns | Strobes | Horn-Strobes Applications: Indoor, Wall-Only

Architect & Engineer Specifications

- ☐ Sophisticated series of notification appliances that meets fire-industry codes and regulations for commercial-building applications
- ☐ Compatible with the Siemens 50-point, 252point and 504-point addressable fire alarm control panels (FACPs), and with:
 - Siemens Modular FACPs
 - Siemens PAD-series of NAC extenders
 - FireFinder® XLS / XLSV FACPs
 - Siemens dual-sync control (DSC) modules
- ☐ Innovative LED strobe technology provides an energy-efficient means for a significantly reduced current draw
 - Capability to have existing Xenon and new LED strobes in the same field-of-view
 - Fewer power supplies required, smaller wire gage, reduced wire runs
- ☐ Straightforward installation coupled with compact, modern design
 - No visible mounting screws
 - Manual (index finger) slide-setting adjustor
 - Four (4) field-selectable settings in one (1) device: 15cd | 30cd | 75cd | 110cd
- ☐ Faceplates ship in four (4) distinctive types:
 - 'FIRE' | 'ALERT' | 'AGENT' | (blank)
- ☐ Two (2) audible settings in each notification appliance
 - Temporal or steady horn output
 - High or Low setting
- □ UL (2034 | 1971 | 464) and ULC Listed (ULC-S525 | S526)
- ☐ ADA | NFPA | FCC | ANSI | OSHA compliant

Product Overview

Formed as the `SL'-series, Siemens is now offering horns, strobes, and horn-strobes with LED based strobes to its notification-appliances portfolio. With the `SL'-series, Siemens offers a full range of products with low and high candela settings that makes these sophisticated notification appliances ideal for new installs and retrofit applications.

Innovative light-emitting diode (LED) strobe technology provides an energy-efficient means for a significantly reduced current draw.

The strobe portion of these appliances meets the 20 millisecond light-pulse-duration requirements of the 2016 edition of NFPA 72. This feature allows existing Xenon and the new LED devices to be used in the same field-of-view.

In a single device, the `SL'-series can provide alarm-signaling tones for dual applications. All strobe models in the series feature multi-Candela settings (15 | 30 | 75 | 110cd) on a single appliance.

Additionally, there are two (2) modes of operation for the audible portion of these notification appliances:

- T3 (coded)
- Continuous

The `SL'-series of horns, strobes and horn-strobes devices are produced in a sleek, modern design. Its single-gang form factor provides high-quality energy efficiency in an aesthetically pleasing, low-profile design that is consistent to the look of the interior composition of the building application.

The `SL'-series is apt for indoor wall-mount applications. The Model `SLH'-series horn appliances work in either 12V or 24VDC, whereas the Series `SLSW' and `SLHSW' strobe and horn-strobe devices are specifically for 24V operation.



Model SLHR-N

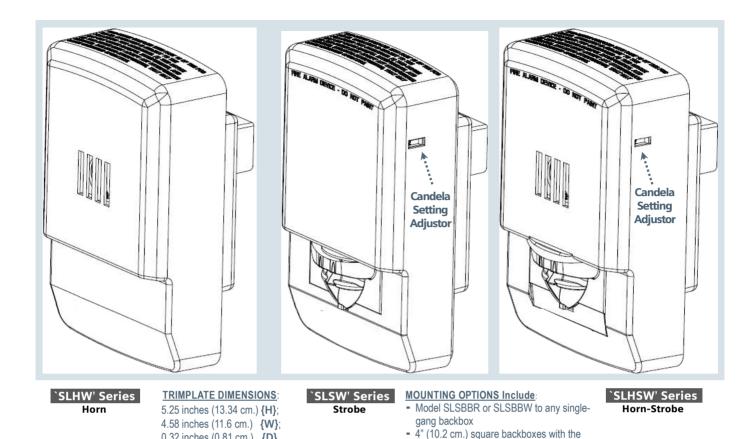


Model SLSWW-ALA Strobe



Model SLHSWR-F





Specifications

In terms of composition and functionality, Models `SLHW'-series, `SLSW'-series, and `SLHSW'-series provide added value to the installer for the types of applications for operation:

Model SLSGP-R or SLSGP-W adapter kit

Compact | sleek | low-profile design

0.32 inches (0.81 cm.) **{D}**

- Comprehensive feature list
- Convenient mounting options
- Easy-to-adjust selection-slider switch for Candela settings
 - No tools required for setting changes
 - Multi-level settings: 15cd | 30cd | 75cd | 110cd
- High and Low audible outputs
- Reduced current draw, via cutting-edge LED technology

The LED portions of the Siemens 'SL'-series of strobes and horn-strobes meet the 20 millisecond light-pulse-duration requirements of the 2016 edition of NFPA 72. By meeting this latest requirement, existing Xenon as well as the new LED-technology devices can now be in the same field-of-view.

The horn, strobe and horn-strobes in this Siemens 'SL'-series of notification appliances have received UL / ULC Listed status by attaining compatible testing standards with all of the Siemens fire-alarm control panels (FACPs) and accessories that have been determined to be aligned with existing Siemens strobe-based appliances.

This would include the following existing model-types: `CH'|`HS'|`MTH' |`S-HQ'|`SA'|`SE'|`SEF'|`SET' |`ST' |`STH' |`ZR' and `ZH' Series notification appliances. The regulatory listing also includes the capability for installing the Siemens `SL'-series LED-based strobes in the same notification zone and field-of-view with any existing Siemens Notification Appliance Xenon-based strobes.

All types of these horns, strobes and horn-strobes are UL Listed (for indoor use under Standard 1971 and 464), as well as ULC-S525|ULC-S526 Listed. The Siemens `SL'-series sounder-strobes also have ADA | RoHS and ICES approval.

Technical Data

Wall-Mount | Horn-Strobes | Output Current Draw

Current Ratings (<u>HIGH</u> dB in Amps) 16.0 – 33.0VDC							
MODEL	Setting	15cd	30cd	75cd	110cd		
SLHSW'	Code 3	0.034	0.046	0.105	0.214		
SERIES:	Continuous	0.042	0.052	0.110	0.217		

Wall-Mount | Horn-Strobes | Output Current Draw

Current Ratings (<u>Low</u> dB in Amps) 16.0 – 33.0VDC								
MODEL	Setting	15cd	30cd	75cd	110cd			
MODEL 'SLHSW' SERIES:	Code 3	0.032	0.042	0.102	0.213			
	Continuous	0.036	0.044	0.104	0.216			

Wall-Mount | Horn-Only | Output Current Draw

	Current Ratings (Code 3 in Amps)						
RMS Current @ 24VDC							
MODEL	Regulated Voltage Range	High	Low				
`SLHW'	8.0 – 17.50 VDC	0.024	0.018				
SERIES:^	16.0 – 33.0 VDC	0.030	0.022				

Wall-Mount | Strobe-Only | Output Current Draw

Current Ratings (Code 3 in Amps) RMS Current @ 24VDC						
MODEL 'SLSW' SERIES:^	Regulated Voltage Range	15cd 30cd		75cd	110cd	
	16.0 – 33.0 VDC	0.030	0.040	0.102	0.201	

Wall Mount | Horn | Output Ratings (UL)

		UL Sound Output Ratings (dBA) Reverberant per UL464 @ 10 fee								
		Volume	SLHW @ 12VDC			SLHW -and- SLHSW @ 24VDC				
ļ			8.0V	12.0V	17.5V	16.0V	24.0V	33.0V		
		Code 3 High dBA	75	80	83	76	79	81		
	MODEL SLHW'- and -	Code 3 Low dBA	73	77	80	75	77	77		
	SLHSW' SERIES:	Continuous High dBA	80	84	87	80	83	86		
		Continuous Low dBA	78	79	84	78	81	81		

Wall Mount | Horn | Output Ratings (ULC)

		ULC Sou	ULC Sound Output Ratings (dBA) Anechoic per ULCS525-16 @ 3.05 meters										
		Volume	SLHW @ 12VDC			SLHW -and- SLHSW @ 24VDC							
			8.0V	12.0V	17.5V	16.0V	24.0V	33.0V					
		Code 3 High dBA	85	89	92	91	95	96					
	MODEL SLHW'- and - SLHSW' SERIES:^	Code 3 Low dBA	79	84	87	86	90	91					
		Continuous High dBA	85	89	92	91	94	97					
		Continuous Low dBA	79	84	87	86	90	92					

[^] RMS current ratings are per UL maximum RMS method. UL max current rating is the maximum RMS current within the listed voltage range (16 - 33V for 24V units)

GENERAL NOTES:

- 1. Strobes are designed to flash at 1-flash-per-second minimum over their "Regulated Voltage Range."
- 2. NFPA-72 specifies a flash rate of 1-to-2 flashes-per-second, and guidelines for the Americans with Disabilities Act (ADA) specify a flash rate of 1-to-3 flashes-per-second.
- 3. All Candela ratings represent minimum effective Strobe intensity based on UL 1971.

Technical Data

General Properties

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	MODEL `SL'-series				
OPERATING	- 32°F (0°C) to 122°F (50°C)				
TEMPERATURE:	 for indoor-applications' use only 				
RELATIVE HUMIDITY:	93%, maximum				
OPERATING VOLTAGE RANGES:	- 12 VDC / VFWR → 8 - 17.5 VDC / VFWR; - 24 VDC / VFWR → 16 - 33 VDC/VFWR (12 VDC for Model SLHW only)				
STROBE OUTPUT RATING:	 UL 1971, ULC-S526 Field-selectable 15cd 30cd 75cd 110cd Candela outputs 				
STROBE FLASH RATE:	Strobes are designed to flash at one-flash-per-second				
STROBE SYNCRONIZATION:	 all Siemens addressable panels Siemens PAD-series NAC extenders Siemens dual-sync (DSC) modules, which provide the unique Siemens proprietary synchronization protocol 				
TEMPORAL PATTERN:	Continuous Code 3 (1/2 second on, 1/2 second off; then 1/2 second on, 1/2 second off; followed by 1/2 second on, 1-1/2 second off and repeat) NOTES: The Code 3 pattern is specified by ANSI and NFPA 72 for Standard Emergency Evacuation Signaling.				

Physical Properties

MODEL `SL'-series					
MATERIAL: White-or-red textured, ultraviolet (UV) stabilize colored impregnated engineered plastic Exceeds 94V-0 UL flammability rating					
WEIGHT:	0.35 Lbs. (0.16 Kg.)				
LENS TYPE:	LED strobe situated in	n a rugged Lexan lens			
DIMENSIONS:	Actual Appliance: 4.53" (11.5 cm.) { H }; 5.25" (13.3 cm.) 4.58" (11.6 cm.) 1.27" (3.23 cm.) { D } 0.32" (0.81 cm.)				

Mounting and Wiring Properties

MODEL `SL'-series				
INDOOR Mounting:	Wall-mount applications Single-gang (Model SLSBB) backboxes or to 4" (10.2 cm.) square with Model SLSGP-R or SLSGP-W adapter kit			
WIRING TYPE:	#12 – #18, American Wire Gauge (AWG)			

[^] For audible appliances, the max current is usually at the maximum listed voltage (16 - 33V for 24V units)

[^] For unfiltered FWR ratings, see installation instructions

	Details for Ordering								
MODEL	PART NUMBER	APPLIANCE TYPE	UL	ULC	MOUNTING TYPE	STROBE TYPE	FACEPLATE COLOR	FACEPLATE LETTERING	
SLHWR-N	S54329-F23-A1	Horn	✓	✓	WALL	– None –	RED	– None –	
SLHWW-N	S54329-F23-A2		✓	✓	WALL	– None –	WHITE	– None –	
SLHSWR-F	S54329-F22-A1	Horn-Strobe	✓	<u> </u>	WALL	Clear	RED	FIRE	
SLHSWW-F	S54329-F22-A2		✓	<u> </u>	WALL	Clear	WHITE	FIRE	
SLHSWR-FB	S54329-F24-A1	Horn-Strobe		✓	WALL	Clear	RED	– Pictogram –	
SLHSWW-FB	S54329-F24-A2	Tioni-otrobe	_	✓	WALL	Clear	WHITE	– Pictogram –	
SLHSWR-A	S54329-F31-A2	Horn-Strobe	✓	✓	WALL	Clear	RED	AGENT	
SLHSWW-A	S54329-F34-A2	Horri-Strobe	✓	✓	WALL	Clear	WHITE	AGENT	
SLHSWR-N	S54329-F34-A1	Horn-Strobe	✓	_	WALL	Clear	RED	– None –	
SLHSWW-N	S54329-F37-A1	noin-Strobe	✓	_	WALL	Clear	WHITE	– None –	
SLHSWW-AL	S54329-F35-A1	Horn-Strobe	✓	✓	WALL	Clear	WHITE	ALERT	
SLHSWR-AL	S54329-F32-A1	noin-Strobe	✓	✓	WALL	Clear	RED	ALERT	
SLSWR-F	S54329-F25-A1	Strobe	✓	_	WALL	Clear	RED	FIRE	
SLSWW-F	S54329-F25-A2	Strobe	✓	_	WALL	Clear	WHITE	FIRE	
SLSWW-FB	S54329-F26-A1	Otrobo	_	✓	WALL	Clear	WHITE	– Pictogram –	
SLSWR-FB	S54329-F26-A2	Strobe	—	✓	WALL	Clear	RED	– Pictogram –	
SLSWR-A	S54329-F27-A1	Strobe	✓	_	WALL	Clear	RED	AGENT	
SLSWW-AL	S54329-F27-A2	Strobe	✓	✓	WALL	Clear	WHITE	ALERT	
SLSWR-AL	S54329-F28-A1	Strobe	✓	✓	WALL	Clear	RED	ALERT	
SLSWW-ALA	S54329-F28-A2	Strobe	✓	✓	WALL	Amber	WHITE	ALERT	
SLSWR-ALA	S54329-F29-A1	Strobe	✓	✓	WALL	Amber	RED	ALERT	
SLSWR-NA	S54329-F29-A2	Strobe	✓	✓	WALL	Amber	RED	– None –	
SLSWW-NA	S54329-F30-A1	Strobe	✓	✓	WALL	Amber	WHITE	– None –	
SLSWW-N	S54329-F30-A2	Strobe	✓		WALL	Clear	WHITE	– None –	
SLSWR-N	S54329-F31-A1	Strone	✓		WALL	Clear	RED	– None –	
SLSBBR	S54329-F21-A1	Backbox	✓	✓	WALL	– None –	RED	– None –	
SLSBBW	S54329-F21-A2	Баскоох	✓	✓	WALL	– None –	WHITE	– None –	
SLSGP-R	S54329-F64-A1	Optional Single-Gang	✓	✓	WALL	– None –	RED	– None –	
SLSGP-W	S54329-F64-A2	Trim Plate	✓	✓	WALL	– None –	WHITE	– None –	

NOTICE - The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product. All are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

SIEMENS

Siemens Industry, Inc.

5mart Infrastructure – Building Products

2 Gatehall Drive • Parsippany, NJ 07054

Tal· (973) 593-2600

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