SIEMENS

Notification Appliances
SL2 Weatherproof Series

Speakers | Speaker-Strobes

Applications: Indoor / Outdoor, Ceiling and Wall

Architect & Engineer Specifications

- ☐ Weatherproof notification appliances that meet fire-industry codes and regulations for Indoor and Outdoor use
- ☐ Compatible with Siemens fire alarm control panels (FACPs), Siemens dual-sync control (DSC) modules and Siemens Power Supplies (PAD-3/-4/-5)
- ☐ Wall or Ceiling mount applications
- ☐ Easy installation with a pre-wire capable Back Box or Mounting Plate
- ☐ NEMA 3R and 4X Rated Devices
- ☐ Field-selectable multi Candela settings on a single device:
- ☐ 15cd | 30cd | 75cd | 110cd |150cd | 185cd (Clear Lens Strobe)
- ☐ 15cd | 30cd | 75cd | 95cd | 150cd | 177cd (Amber Lens Strobe)
- ☐ Seven (7) field selectable Speaker Settings:
  - 1/8W I 1/4W I 1/2W I 1W I 2W I 4W I 8W
- ☐ Speaker Frequency Range: 400-4000Hz
- ☐ UL1480 | UL1638 | UL1971 Listed
- ☐ ULC541 | ULC526 Listed
- ☐ FM Approved
- ☐ RoHS Compliant

Product Overview

Siemens is offering a weatherproof version of speakers and speaker-strobes in the 'SL2' product line of sophisticated notification appliances. These NEMA 3R and 4X rated speaker and speaker-strobe devices are designed for both indoor and outdoor use and are apt for wall or ceiling mount applications.

These SL2 weatherproof appliances are compatible with Siemens fire-alarm control panels (FACPs), Siemens dual-sync control (DSC) modules and Siemens power supplies (PAD-3/-4/-5).

The high-efficiency speakers have a frequency range of 400-4000Hz. The speaker and speaker-strobe devices are available with dual-voltage capability (25/70.7 VRMS) and field selectable power taps from 1/8W to 8W for high quality audio outputs ideal for emergency communication, mass notification, voice evacuation and fire alarm.

The strobe portion of these appliances meets the 20-millisecond light-pulse-duration requirements of NFPA 72 (2016 edition).

The SL2-series speaker-strobes are available with 'CLEAR' or 'AMBER' lens with six (6) field-selectable candela settings:

- 15cd I 30cd I 75cd I 110cd I 150cd I 185cd ('CLEAR' Lens)
- 15cd I 30cd I 75cd I 95cd I 150cd I 177cd ('AMBER' Lens)

The multi-candela strobe can operate as a synchronized strobe appliance when used in conjunction with an FACP following the Siemens sync protocol or when used with a sync module (DSC) or with Siemens power supplies (PAD-3/-4/-5).

The SL2-series weatherproof speakers and speaker-strobes are designed for reduced power consumption allowing more appliances on each NAC and fewer power supplies. These notification appliances can operate at 24 VDC/FWR with a regulated voltage range of 16 – 33V.

The speakers and speaker-strobe appliances are apt for wall or ceiling mount applications and can be easily installed with a pre-wire capable back box (SL24XBB) or a mounting plate (SL23R). All NEMA 3R devices are flush mounted and have an IP54 rating (they come with the required mounting plate). The 4X devices must be surface mounted (utilizing a surface mount box which is included with each 4X device) and are IP66 rated.

All SL2-series weatherproof notification appliances are UL1480, UL1638, UL1971, and ULC541, ULC526 approved.



Speaker



Speaker-Strobe with 'FIRE' Letter Plate

UL ULC FM RoHS COMPLIANT

Wiring Diagrams

Fig. 1a: Speaker (One Circuit)

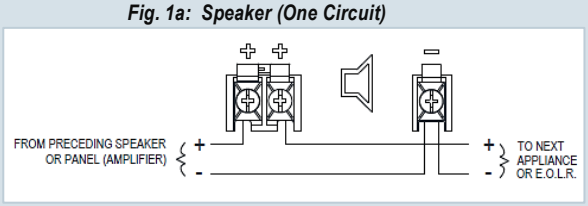
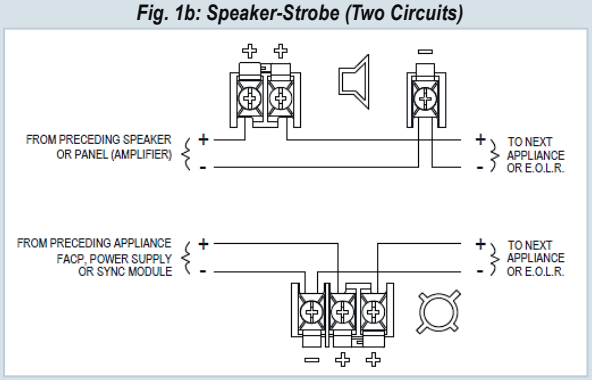
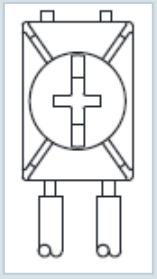


Fig. 1b: Speaker-Strobe (Two Circuits)



Note: Refer to DSC Sync Module Manual, or FACP Manual, or Siemens Power Supplies Manual for details.

Fig. 2



SL2 Weatherproof Speakers | Speaker-Strobes

Specifications

The SL2 Weatherproof speaker and speaker-strobe appliances feature multiple field-selectable power settings of 1/8W I 1/4W I 1/2W I 1W I 2W I 4W I 8W with dual-voltage settings of 25VRMS **/** 70.7VRMS. These weatherproof notification devices can operate at a regulated voltage range of 16.0 - 33.0 VDC/FWR.

The speakers have a frequency range of 400-4000Hz.

The strobe appliances meet the 20-millisecond light-pulse-duration code requirements of NFPA 72 (2016 edition).

All SL2 Weatherproof strobes feature six(6) field-selectable multi candela settings:

- 15cd I 30cd I 75cd I 110cd I 150cd I 185cd (Models SL24XSPS, SL23RSPS)
- 15cd I 30cd I 75cd I 95cd I 150cd I 177cd (Models SL24XSPS-A, SL23RSPS-A)
  ('AMBER' lens is certified as an Emergency Warning Visual Signal)

The strobes are also available with Blue, Green, or Red Lens options. These colored lens strobes are solely used for visual '**Private Mode**' alarm notification. The field selectable candela settings for these strobes are as follows:

- 15cd I 30cd I 75cd I 95cd I 135cd I 150cd (Models SL24XSPS-B, SL23RSPS-B)
- 15cd I 30cd I 60cd I 75cd I 115cd I 125cd (Models SL24XSPS-G, SL23RSPS-G)
- 10cd I 20cd I 40cd I 50cd I 75cd I 80cd (Models SL24XSPS-R, SL23RSPS-R)

(*See Installation Instruction **P85829-004A** for more information about blue, green, and red strobe appliances.)*

The SL2-series speakers and speaker-strobe appliances may be installed in the same notification zone and field of view with any Siemens strobe products using the Siemens sync protocol. The maximum number of notification appliances per NAC is 105.

All models are UL/ULC listed as compatible with Siemens Fire Alarm Control Panels (FACP) and accessories that have been determined to be compatible with Siemens strobe sync protocol including the ST, SE, SEH, SET, S-HQ, STH, AS, CH, HS, and MTH series models.

The SL2-series speakers and speaker-strobes are UL / ULC listed for both indoor and outdoor operations. They operate at a temperature range of -40° C to 66° C (-40° F to 150° F) with a maximum relative humidity of 95%.

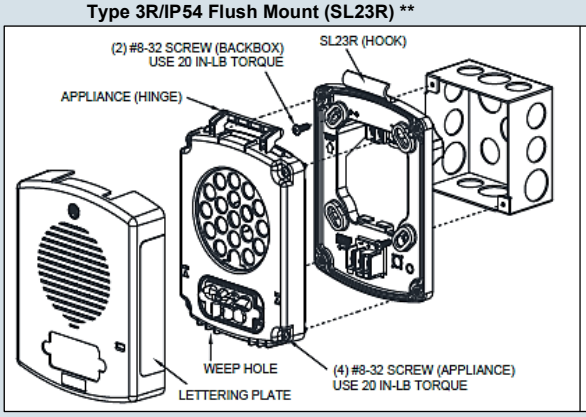
These appliances can be easily installed with a pre-wire capable Back Box (SL24XBB) or a Mounting Plate (SL23R). All inputs employ IN / 0UT wiring terminals using #12 to #18 AWG wiring.

The SL2-series speakers and speaker-strobe appliances have UL1480 and ULC541 listings for speakers and UL1638 /1971 and ULC526 listings for strobes. These appliances are FM approved and RoHS compliant.

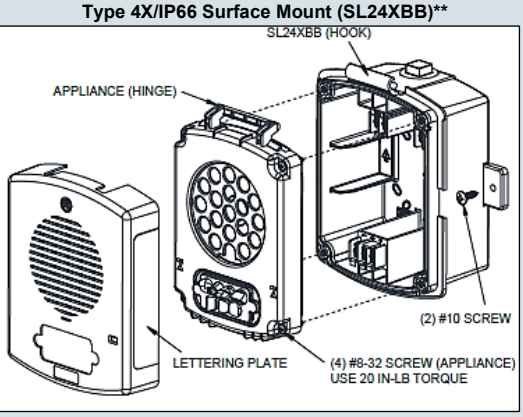
(*Refer to Installation Instruction - **P85829-001A** - for detailed information about SL2 Weatherproof speakers and speaker-strobes.*)

Mounting Options

Type 3R/IP54 Flush Mount (SL23R) **



Type 4X/IP66 Surface Mount (SL24XBB)**



** The flush mount plate comes with each 3R device and the surface mount back-box is included with each 4X device. Please refer to installation instruction - **P85820-001A** - for back-box & mounting plate details.

Electrical Ratings

Strobe Output Currrent Draw

*Current Ratings (in Amps)***						
Models: SL24XSPS SL23RSPS	*Candela Settings*					
	15cd	***30cd***	***75cd***	***110cd***	***150cd***	***185cd***
DC	0.026	0.038	0.070	0.097	0.179	0.206
FWR	0.034	0.053	0.098	0.137	0.235	0.308
Models: SL24XSPS-A SL23RSPS-A	*Candela Settings*					
	15cd	***30cd***	***75cd***	***95cd***	***150cd***	***177cd***
DC	0.026	0.038	0.070	0.097	0.179	0.206
FWR	0.034	0.053	0.098	0.137	0.235	0.308

** Setting will determine the current draw of the product.

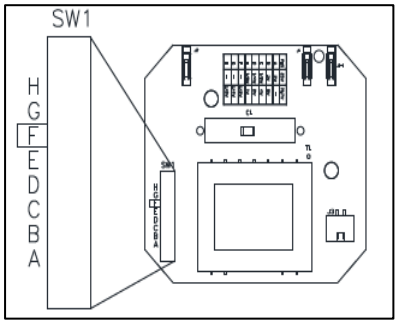
Speaker Output Ratings

Reverberant dBA at 10Ft per UL1480 / ULC541							
Models: SL24XSP SL23RSP	**1/8 Watts**	**1/4 Watts**	**1/2 Watts**	**1 Watts**	**2 Watts**	**4 Watts**	**8 Watts**
25 VRMS	76	79	82	85	88	---	---
70.7 VRMS	79	79	82	85	88	91	94

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.
3. All candela ratings represent minimum effective strobe intensity based on UL 1971.

Speaker Voltage & Wattage Settings *

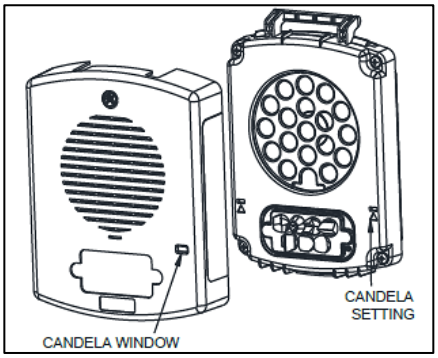


Position	25V	70.7V
A	2W	------
B	1W	8W
C	1/2W	4W
D	1/4W	2W
E	1/8W	1W
F	------	1/2W
G	------	1/4W
H	------	1/8W

NOTE: The default setting is **70.7V, 1/2W, position "F"**

*Refer to Installation Instruction - **P85829-001A**- for details.

Candela Settings



NOTE: The default candela setting is ***15cd.***

Technical Data

General Properties

	SL2 Weatherproof Speakers I Speaker-strobes
OPERATING TEMPERATURE:	- -40° C to 66° C (-40° F to 150° F). - Indoor and Outdoor Use
RELATIVE HUMIDITY:	95%
OPERATING VOLTAGE RANGES:	- 25 / 70 VRMS - field-selectable power taps: 1/8 Watt to 8 Watts
STROBE OUTPUT RATING:	Field-selectable candela outputs: ▪ Clear Lens strobe: 15cd I 30cd I 75cd I 110cd I 150cd I 185cd ▪ Amber Lens strobe: 15cd I 30cd I 75cd I 95cd I 150cd I 177cd
STROBE FLASH RATE:	Strobes are designed to flash at one-flash-per-second
STROBE SYNCRONIZATION:	Compatible with Siemens fire alarm control panels (FACPs), Siemens dual-sync control (DSC) module, Siemens Power Supplies (Pad-3/-4/-5)
FREQUENCY RANGE:	- 400-4000Hz

Physical Properties

	SL2 Weatherproof Speakers I Speaker-strobes
MATERIAL:	Red or white textured UV stabilized, colored engineered plastic.
LENS:	Light Emitting Diode (LED) in a rugged Lexan lens
WEIGHT:	Speakers: 1.8 lbs (all devices) Speaker-strobes: 1.95 lbs (4X devices) / 2.35 lbs.(3R devices)
DIMENSIONS (Inches):	▪ 3R devices - 7.68 x 5.75 x 1.75 ▪ 4X devices - 7.68 x 5.75 x 4.25

Mounting and Wiring Properties

	SL2 Weatherproof Speakers I Speaker-strobes
MOUNTING:	▪ Wall & Ceiling-mount applications ▪ SL24XBB Surface Box and SL23R Mounting Plate
WIRING TYPE:	#12 – #18, American Wire Gauge (AWG)

Details for Ordering

MODEL	PART NUMBER	NEMA RATING	APPLIANCE TYPE	MOUNTING TYPE	STROBE TYPE	FACEPLATE COLOR	FACEPLATE LETTERING
SL24XSP-NR	S54329-F264-A1	4X	Speaker	WALL / CEILING	None	RED	NO LETTERING
SL24XSP-NW	S54329-F338-A1				None	WHITE	NO LETTERING
SL23RSP-NR	S54329-F266-A1	3R			None	RED	NO LETTERING
SL23RSP-NW	S54329-F305-A1				None	WHITE	NO LETTERING
SL24XSPS-FR	S54329-F263-A1	4X	Speaker-Strobe	WALL / CEILING	Clear	RED	FIRE
SL24XSPS-FW	S54329-F331-A1				Clear	WHITE	FIRE
SL23RSPS-FR	S54329-F257-A1	3R			Clear	RED	FIRE
SL23RSPS-FW	S54329-F298-A1				Clear	WHITE	FIRE
SL24XSPSAM-NW	S54329-F291-A1	4X			Amber	WHITE	NO LETTERING
SL23RSPSAM-NW	S54329-F277-A1	3R			Amber	WHITE	NO LETTERING
SL24XSPSB-NW	S54329-F332-A1	4X	Speaker-Strobe	WALL / CEILING	Blue	WHITE	NO LETTERING
SL24XSPSB-NR	S54329-F333-A1				Blue	RED	NO LETTERING
SL24XSPSG-NW	S54329-F334-A1				Green	WHITE	NO LETTERING
SL24XSPSG-NR	S54329-F335-A1				Green	RED	NO LETTERING
SL24XSPSR-NW	S54329-F336-A1				Red	WHITE	NO LETTERING
SL24XSPSR-NR	S54329-F337-A1				Red	RED	NO LETTERING

Details for Ordering

MODEL	PART NUMBER	NEMA RATING	APPLIANCE TYPE	MOUNTING TYPE	STROBE TYPE	FACEPLATE COLOR	FACEPLATE LETTERING
SL23RSPSB-NW	S54329-F299-A1	3R	Speaker-Strobe	WALL / CEILING	Blue	WHITE	NO LETTERING
SL23RSPSB-NR	S54329-F300-A1				Blue	RED	NO LETTERING
SL23RSPSG-NW	S54329-F301-A1				Green	WHITE	NO LETTERING
SL23RSPSG-NR	S54329-F302-A1				Green	RED	NO LETTERING
SL23RSPSR-NW	S54329-F303-A1				Red	WHITE	NO LETTERING
SL23RSPSR-NR	S54329-F304-A1				Red	RED	NO LETTERING

Related Hardware

Model	Part Number	Description
SL24XBB-W	S54329-F360-A1	White surface-mount weatherproof backbox for SL2 weatherproof appliances (suffixes SL23R and SL24X) [Note: All SL24X appliances already come with backboxes, therefore ordering separately is not necessary for the 4X appliances]
SL24XBB-R	S54329-F360-A2	Red surface-mount weatherproof backbox for SL2 weatherproof appliances (suffixes SL23R and SL24X) [Note: All SL24X appliances already come with backboxes, therefore ordering separately is not necessary for the 4X appliances]
SL2LP-ALR	S54329-F313-A1	**"ALERT"** Letter Plate Red
SL2LP-ALW	S54329-F314-A1	**"ALERT"** Letter Plate White
SL2LP-AR	S54329-F315-A1	**"AGENT"** Letter Plate Red
SL2LP-AW	S54329-F316-A1	**"AGENT"** Letter Plate White
SL2LP-COR	S54329-F317-A1	**"CO"** Letter Plate Red
SL2LP-COW	S54329-F318-A1	**"CO"** Letter Plate White
SL2LP-EVR	S54329-F319-A1	**"EVACUATION"** Letter Plate Red
SL2LP-EVW	S54329-F320-A1	**"EVACUATION"** Letter Plate White
SL2LP-FBR	S54329-F321-A1	**"FIRE"** PICTOGRAM Letter Plate Red
SL2LP-FBW	S54329-F322-A1	**"FIRE"** PICTOGRAM Letter Plate White
SL2LP-FR	S54329-F259-A1	**"FIRE"** Letter Plate Red
SL2LP-FW	S54329-F323-A1	**"FIRE"** Letter Plate White
SL2LP-MR	S54329-F324-A1	**"EMERGENCY"** Letter Plate Red
SL2LP-MW	S54329-F325-A1	**"EMERGENCY"** Letter Plate White
SL2LP-NR	S54329-F326-A1	**"NO TEXT"** Letter Plate Red
SL2LP-NW	S54329-F327-A1	**"NO TEXT"** Letter Plate White

Notes:

a) Backboxes are included with all SL24X appliances and do not need to be purchased separately. Backboxes are not included with SL23R appliances and must be purchased separately for wall and ceiling-mount applications when needed.

b) Replacement letter plates have the text printed in horizontal orientation on one side for ceiling mount applications, and vertical orientation on the other for wall mount. Each notification appliance requires two (2x) plates, one for each side. These letter plates come in packs of twenty (20x), enough for ten (10x) notification devices.

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.
Smart Infrastructure – Building Products
2 Gatehall Drive • Parsippany, NJ 07054
Tel: (973) 593-2600

August – 2026
Rev. 5