

Notification Appliances

'SL2' Series - Multi-Tone Strobes

Applications : Indoor, Ceiling-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, 252-point 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
- ❑ 4-Wire Devices
- ❑ Straightforward installation coupled with compact, modern design
 - No visible mounting screws
 - pre-wire capable mounting plate
- ❑ Pre-set to High(HI) or Standard(STD) Sound Output
- ❑ Eight (8) Selectable Alarm Tones
- ❑ Designed for Indoor, Ceiling-Mount applications
- ❑ UL1638 | UL1971 | UL464 Listed
- ❑ ULC-S525-16 | ULC- S526-16 Listed
- ❑ FM & CSFM Approved
- ❑ RoHS Compliant

Product Overview

Model SL2MTSC is Siemens new offering in the 'SL2' Series portfolio of notification-appliances. The SL2MTSC Multi-Tone Strobes are designed for fire-alarm and tone signaling, ideal for mass notification and emergency evacuation.

The SL2MTSC Multi-Tone appliances can be field-set to produce any one (1) of eight (8) standard alarm-signaling tones. Sound outputs can be adjusted to either 'High' (HI) dBA or 'Standard' (STD) dBA via selectable volume settings.

The Horn portion of the SL2MTSC appliance can be set to provide a synchronized 'Code 3' horn, when used in conjunction with the DSC Sync Module or with Siemens power supplies. The Multi-tone Horns can be wall or ceiling mounted.

The SL2MTSC Multi-Tone Strobe is UL1971 Listed for indoor fire protection service for Signaling Devices for the Hearing Impaired, UL1638 Listed for Visual Signaling Devices, and UL 464 Listed for Audible Signaling Devices.

It is also ULC Listed [CAN/ULC-S526-16] for Visual Signaling Devices and for Audible Signaling Devices for Fire Alarm Systems [CAN/ULC-S525-16].

The SL2MTSC strobe meets NFPA2016 20-millisecond light pulse duration Code Requirements. Additionally, the 'SL2' Series products have UL/ULC listing for compatibility with all Siemens Fire Alarm Control Panels (FACPs) and accessories.

The 'SL2'-series Multi-tone-strobes have high-quality, energy-efficient, and aesthetically pleasing, low-profile design, that is consistent to the look of the interior composition of the building application.

The SL2MTSC appliance is specific for indoor, ceiling-mount applications. It can be easily installed with a pre-wire capable mounting plate. (Refer to the *Installation Instruction* for more information.)



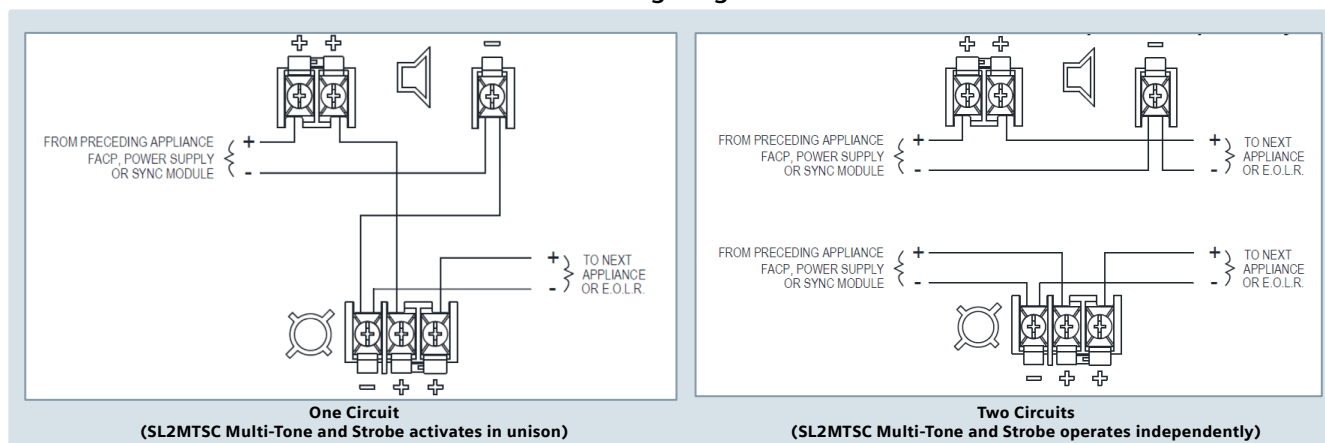
Model SL2MTSCW-NR
Multi-tone Strobe



Model SL2MTSCW-NB
Multi-tone Strobe



Wiring Diagrams



Specifications

In terms of composition and functionality, Model SL2MTSC -appliances provide added value to the installer for the types of applications for operation:

- Compact | sleek | low-profile design
- Comprehensive feature list
- Easy-to-adjust selection-slider switch for candela settings
 - Multi-level settings: 15cd | 30cd | 75cd | 110 | 150 | 177 cd
- Reduced current draw, via cutting-edge LED technology

The SL2MTSC notification appliances have Regulated 24DC (16-33VDC) and Regulated 24FWR (16-33VRMS) Voltage range. The Multi-Tone Strobes are designed for use with either filtered or unfiltered Full-Wave-Rectified (FWR) input voltage.

Each model has a built-in level Eight (8) selectable tones adjustment feature and a snap-on grille cover. These multi-tone 4-wire devices operate at dual voltage settings, increasing power efficiency. All inputs employ IN / OUT wiring terminals for fast installation using #12 to #18 AWG wiring.

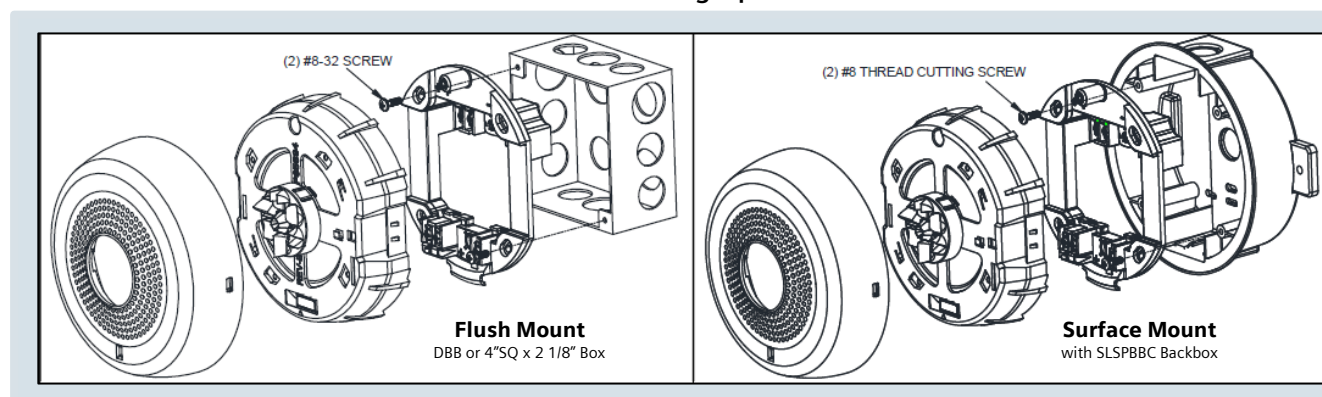
The regulatory listing also includes the capability for installing the Siemens 'SL2' Series Strobes in the same NAC Circuit with any Siemens 'ST' Series Strobes. The Siemens SL2 Series may be installed in the same notification zone and field of view with any Siemens ST Strobe based product.

The Siemens SL2MTSC strobe meets NFPA 2016 20-millisecond light pulse duration code requirements. In addition, the notification appliances have UL/ULC listing for compatibility with all Siemens Fire Alarm Control Panels (FACPs) and accessories that are compatible with Siemens ST- Series products. (Refer to FACP installation instructions and relevant compatibility guides for more details.)

'SL2' Series products are compatible with the following model-types: 'ST' | 'SE' | 'SEH' | 'SET' | 'S-HQ' | 'STH' | 'AS' | 'CH' | 'HS' | 'MTH' | 'SL' and 'Z' -Series notification appliances.

Siemens SL2 Multi-Tone Strobes can provide a synchronized strobe appliance when used in conjunction, with an FACP that incorporates the Siemens Sync Protocol, a Sync Module (DSC), or a Siemens Power Supply.

Mounting Options



Electrical Ratings

Output Current Draw I Strobe

Model 'SL2MTSC'^A Series:	Current Ratings (Amps) **					
	Regulated Voltage Range					
	16.0 – 33.0 VDC			16.0 – 33.0 VRMS		
	15cd	30cd	75cd	110cd	150cd	177cd
	0.022	0.030	0.060	0.086	0.125	0.185

** Setting will determine the current draw of the product

Output Current Draw I Horn

Setting	Volume	Current Ratings (Amps) RMS^ Current @ 24VDC	
		16-33VDC	16-33VFWR
Horn	HI	0.108	0.087
	STD	0.044	0.045
Bell	HI	0.053	0.067
	STD	0.024	0.028
March Time	HI	0.104	0.087
	STD	0.087	0.045
Code 3 Horn	HI	0.122	0.087
	STD	0.035	0.045
Code 3 Tone	HI	0.135	0.110
	STD	0.035	0.029
Slow Whoop	HI	0.098	0.092
	STD	0.037	0.042
Siren	HI	0.104	0.092
	STD	0.036	0.040
HI / LO	HI	0.057	0.063
	STD	0.025	0.032

^ 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)

^ 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

Output Ratings

UL Sound Output Ratings (dBA) Reverberant per UL464 @ 10 feet				
Setting	Volume	16V	24V	33V
Horn	HI	82	86	88
	STD	77	80	8.1
Bell	HI	76	80	84
	STD	68	72	76
March Time	HI	79	82	85
	STD	74	77	80
Code 3 Horn	HI	78	81	84
	STD	72	76	79
Code 3 Tone	HI	75	79	82
	STD	71	74	77
Slow Whoop	HI	82	85	88
	STD	75	79	82
Siren	HI	82	85	88
	STD	76	79	82
HI / LO	HI	82	85	87
	STD	77	81	83

ULC Sound Output Ratings (dBA) Anechoic dBA @ 10 ft CAN/ULC S525-16				
Setting	Volume	16V	24V	33V
Horn	HI	94	97	99
	STD	88	91	93
Bell	HI	86	90	93
	STD	78	82	85
March Time	HI	90	93	95
	STD	85	88	90
Code 3 Horn	HI	94	97	99
	STD	88	91	93
Code 3 Tone	HI	85	88	90
	STD	80	83	85
Slow Whoop	HI	92	95	97
	STD	86	89	91
Siren	HI	92	95	97
	STD	86	89	91
HI / LO	HI	88	91	93
	STD	83	86	88

GENERAL NOTES:

1. Strobes are designed to flash at 1-flash-per-second minimum over their "Regulated Voltage Range."
2. Strobe is not designed to be used on coded systems in which the applied voltage is cycled on and off.
3. The maximum number of SL2 strobes on a single notification appliance circuit shall not exceed 105.
4. These appliances are UL Listed as "Regulated". They are intended to be used with FACP's whose notification circuits are UL Listed as "Regulated."

General Properties

MODEL 'SL2MTSC' Series	
OPERATING TEMPERATURE:	32°F (0°C) to 122°F (50°C) - for indoor applications only
RELATIVE HUMIDITY:	93%, maximum
OPERATING VOLTAGE RANGES:	Regulated 24DC (16-33VDC) Regulated 24FWR (16-33VRMS)
STROBE OUTPUT RATING:	8 Field-selectable candela outputs: 15cd 30cd 75cd 110cd 150cd 177cd
STROBE FLASH RATE:	Strobes are designed to flash at 1(one)-flash-per-second
STROBE SYNCHRONIZATION:	- Siemens addressable panels - Siemens NAC extenders - Siemens dual-sync (DSC) modules - Siemens Power Supply

Physical Properties

MODEL 'SL2MTSC' Series	
MATERIAL:	- White-or-red textured, ultraviolet (UV) stabilized, colored impregnated engineered plastic - Exceeds 94V-0 UL flammability rating
WEIGHT:	1.1 lbs
LENS TYPE:	LED Strobe
DIMENSIONS:	6.27"(15.92 cm) -x- 6.27"(15.92 cm) -x- 1.9"(4.82 cm)

Mounting and Wiring Properties

MODEL 'SL2MTSC' Series	
INDOOR MOUNTING:	- Ceiling-mount applications - Model SLSPBBC backboxes or to 4" backboxes
WIRING TYPE:	#12 – #18, American Wire Gauge (AWG)

Details for Ordering

MODEL	PART NUMBER	APPLIANCE TYPE	MOUNTING TYPE	STROBE TYPE	FACEPLATE COLOR	FACEPLATE LETTERING
SL2MTWW-F	S54329-F233-A1	Multi-Tone Horn	Wall / Ceiling	None	WHITE	FIRE
SL2MTWR-F	S54329-F234-A1	Multi-Tone Horn	Wall / Ceiling	None	RED	FIRE
SL2MTSCR-F	S54329-F240-A1	Multi-Tone Strobe	Ceiling	Clear	RED	FIRE
SL2MTSCW-F	S54329-F242-A1	Multi-Tone Strobe	Ceiling	Clear	WHITE	FIRE
SL2MTSCR-FB	S54329-F241-A1	Multi-Tone Strobe	Ceiling	Clear	RED	PICTOGRAM
SL2MTSCW-NA	S54329-F250-A1	Multi-Tone Strobe	Ceiling	Amber	WHITE	– NO LETTERING –
SL2MTSCW-NB	S54329-F251-A1	Multi-Tone Strobe	Ceiling	Blue	WHITE	– NO LETTERING –
SL2MTSCW-NG	S54329-F252-A1	Multi-Tone Strobe	Ceiling	Green	WHITE	– NO LETTERING –
SL2MTSCW-NR	S54329-F253-A1	Multi-Tone Strobe	Ceiling	Red	WHITE	– NO LETTERING –
SLSPBBCR	S54329-F55-A1	Backbox	Ceiling	None	RED	– NO LETTERING –
SLSPBBCW	S54329-F55-A2	Backbox	Ceiling	None	WHITE	– NO LETTERING –

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.

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