

'08 Series Notification Appliances

ST – Mass Notification Clear-and-Amber Lens Standalone Strobe Appliances

Application: Indoor



Amber-Lens Strobe — Wall Mount
(ST-AMC-R-MNS-ALERT)



Clear-Lens Strobe — Ceiling Mount
(ST-CMC-CW-MNS-ALERT)



Amber-Lens Retrofit Strobe — Wall Mount
(ST-AMC-RETRO-W-MNS-ALERT)

Product Overview

- The Model ST-series of strobes, used in correlation to mass-notification appliances, are a cost-effective way to retrofit colored-lens strobe appliances. Each Model ST-series strobe easily mounts to standard 4" backboxes, or for surface-mount use with Siemens Model SBL2S surface backbox.
 - UL Listed for use with UL2572 Listed mass-notification systems
 - Strobes are available in **AMBER** and **CLEAR** lens, and devices for mass notification will have the word 'ALERT' appear on its cover in red text
 - Strobes operate from 16 to 33VDC [using filtered or full-way rectified (FWR) voltage]
 - Intensity options for amber-lens strobes include multi-Candela models with four (4) field-selectable Candela settings or 110 Candela models
 - Strobes can be synchronized using the Siemens DSC sync modules and are utilized as mass-notification devices, per UL 2572:
 - XLSV panel
 - PAD-3 power supply with built-in sync protocol
 - Fast installation with In / Out screw terminals using #12 to #18 AWG wires
 - Available with a **CLEAR** lens or **AMBER**-lens option:
 - Ceiling models are available with field-selectable, **CLEAR**-lens Candela settings of 15 / 30 / 75 / 95cd
 - Wall-mount models are available with field-selectable, **CLEAR**-lens Candela settings of 15 / 30 / 75 / 110cd
 - Ceiling models are available with field-selectable, **AMBER**-lens Candela settings of 11 / 22 / 56 / 71cd
 - Wall-mount models are available with field-selectable, **AMBER**-lens Candela settings of 11 / 22 / 56 / 82cd
 - Strobes for mass notification available with only 'Alert' text on the outside of each device
 - UL Standard 1971 Listed;
- Complies with Occupational Safety and Health Administration (OSHA) 29, Part 1910.165

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Building Technologies Division

'08 Series Notification Appliances 2588

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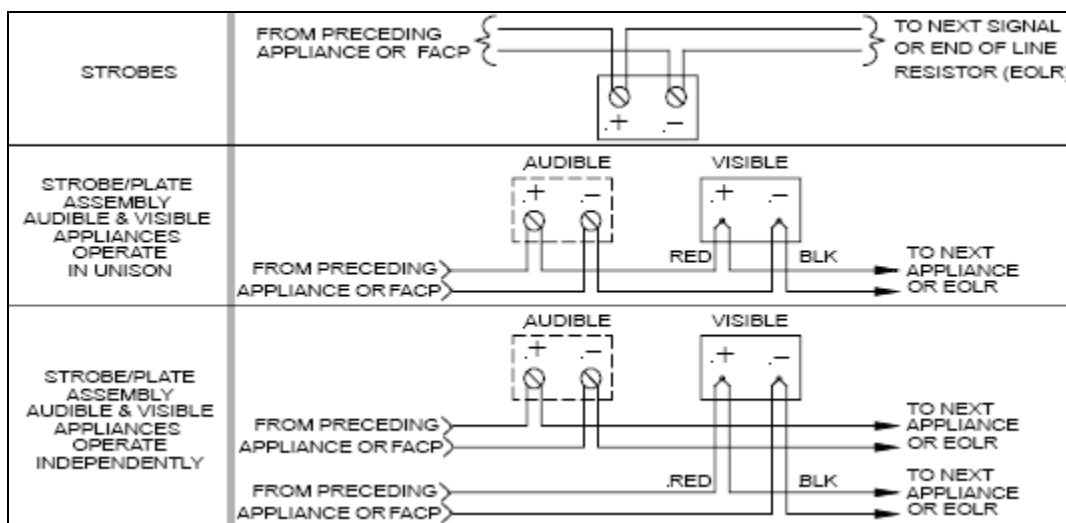
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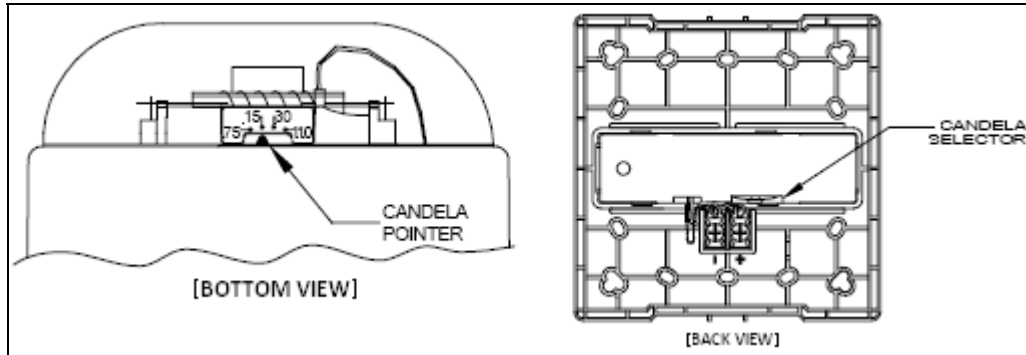
Specifications

- Strobe appliances shall be Siemens Series ST Strobes or approved equals to be used with UL 2572 Listed mass-notification systems
 - All inputs shall employ terminals that accept #12 to #18 AWG sizes
 - Strobe intensity, where multi-Candela appliances are specified, shall have field-selectable settings, and shall be rated per UL Standard 1971 for:
 - Ceiling models are available with field-selectable, CLEAR-lens Candela settings of 15 / 30 / 75 / 95cd
 - Wall-mount models are available with field-selectable, CLEAR-lens Candela settings of 15 / 30 / 75 / 110cd
 - Ceiling models are available with field-selectable, AMBER-lens Candela settings of 11 / 22 / 56 / 71cd
 - Wall-mount models are available with field-selectable, AMBER-lens Candela settings of 11 / 22 / 56 / 82cd
 - Selector switch for selecting the candela shall be tamper resistant
 - The strobe portion, when synchronization is required, shall be compatible with DSC sync modules, and are utilized as UL 2572 Listed mass-notification devices:
 - XLSV panel
 - PAD-3 power supply with built-in sync protocol
 - The strobes shall not drift out of synchronization at any time during operation
 - Strobes feature low current draw
 - Strobes produce one (1) flash per second over the regulated voltage range
 - Strobes shall revert to a non-synchronized flash-rate, if the sync module or power supply should fail to operate (i.e. – contacts remain closed)
 - Ceiling-mount strobe appliances shall be designed for indoor-flush mounting
 - Strobe appliances shall incorporate a strobe-mounting plate with a snap-on grille cover
 - Available with CLEAR lens or AMBER-lens option
 - Strobes for mass notification available with only 'Alert' text on the outside of each device
 - All strobe appliances shall listed for Special Applications:
 - Strobes are designed to flash at 1-flash-per-second minimum over their "Regulated Input Voltage Range"
 - Note:** NFPA-72 specifies a flash rate of 1-to-2 flashes per second, and ADA Guidelines specify a flash rate of 1-to-3 flashes per second
 - All candela ratings represent minimum-effective Strobe intensity, based on UL Standard 1971

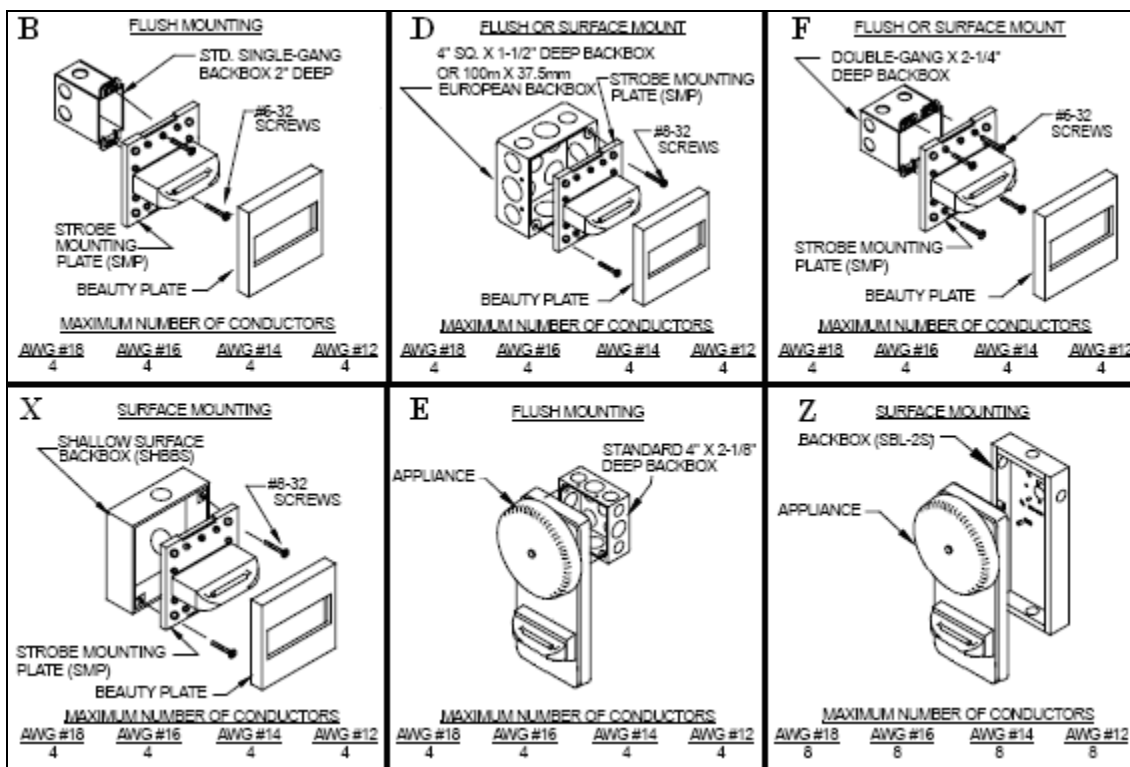
Wiring Diagram



Mounting Diagram



Mounting Options



Notes: Refer to Siemens data sheet: 2585 for the full list of mounting options.

Figures E and Z are shown with an optional 6" bell. See: 'Audible / Speakers for ST-MC-RETRO-MNS Strobe / Plate' Table for other possible appliance combinations.

General Notes

- Strobes are designed to flash at one (1) flash per second minimum over their "Regulated Voltage Range" *
- All candela ratings represent minimum effective Strobe intensity based on @UL Standard 1971
- All notification appliances shall be listed for "Special Applications"
- * NFPA-72 specifies a flash rate of 1 to 2 flashes per second, and ADA Guidelines specify a flash rate of 1-to-3 flashes per second

Technical Data

Models	UL Listed Models and Ratings		
	Operating Voltage (Special Application [Per UL1638] (VDC/VRMS)	Strobe Candela (cd)	Strobe Lens Color
ST-CMC-R-MNS-ALERT	16.0-33.0	15/30/75/110	Clear
ST-CMC-CR-MNS-ALERT	16.0-33.0	15/30/75/95	Clear

UL Current Ratings with Clear Strobe Only [Ceiling] Maximum RMS Current (AMPS)					
UL Voltage	15cd	30cd	75cd	95cd	
DC 16-33VDC	0.069	0.111	0.200	0.264	
FWR 16-33VRMS	0.117	0.180	0.297	0.398	

UL Current Ratings with Clear Strobe Only [Wall] Maximum RMS Current (AMPS)					
UL Voltage	15cd	30cd	75cd	110cd	
DC 16-33VDC	0.064	0.098	0.175	0.233	
FWR 16-33VRMS	0.108	0.164	0.268	0.368	

Models	UL Listed Models and Ratings		
	Operating Voltage (Special Application [Per UL1638] (VDC/VRMS)	Strobe Candela (cd)	Strobe Lens Color
ST-AMC-R-MNS-ALERT	16.0-33.0	11/22/56/82	Amber
ST-AMC-CR-MNS-ALERT	16.0-33.0	11/22/56/71	Amber

Note: Candela is measured on axis; Multi-Candela settings have been derated approximately 25% for amber lens.

Details for Ordering

Model Number	Part Number	Description
ST-AMC-W-MNS-ALERT	S54301-Z73-A1	MNS Amber Strobe, multi Candela – Wall Mount, White – ‘ALERT’
ST-AMC-CW-MNS-ALERT	S54301-Z74-A1	MNS Amber Strobe, multi Candela – Ceiling Mount, White – ‘ALERT’
ST-AMC-RETRO-W-MNS-ALERT	S54301-Z77-A1	MNS Amber Strobe, multi Candela – Wall Mount, White [RETRO PLATE] – ‘ALERT’
ST-AMC-R-MNS-ALERT	S54301-Z83-A1	MNS Amber Strobe, multi Candela – Wall Mount, Red – ‘ALERT’
ST-AMC-CR-MNS-ALERT	S54301-Z84-A1	MNS Amber Strobe, multi Candela – Ceiling Mount, Red – ‘ALERT’
ST-AMC-RETRO-R-MNS-ALERT	S54301-Z87-A1	MNS Amber Strobe, multi Candela – Wall Mount, Red [RETRO PLATE] – ‘ALERT’
ST-CMC-W-MNS-ALERT	S54301-Z93-A1	MNS Clear Strobe, multi Candela – Wall Mount, White – ‘ALERT’
ST-CMC-CW-MNS-ALERT	S54301-Z94-A1	MNS Clear Strobe, multi Candela – Ceiling Mount, White – ‘ALERT’
ST-CMC-RETRO-W-MNS-ALERT	S54301-Z97-A1	MNS Clear Strobe, multi Candela – Wall Mount, White [RETRO PLATE] – ‘ALERT’
ST-CMC-R-MNS-ALERT	S54301-Z103-A1	MNS Clear Strobe, multi Candela – Wall Mount, Red – ‘ALERT’
ST-CMC-CR-MNS-ALERT	S54301-Z104-A1	MNS Clear Strobe, multi Candela – Ceiling Mount, Red – ‘ALERT’
ST-CMC-RETRO-R-MNS-ALERT	S54301-Z107-A1	MNS Clear Strobe, multi Candela – Wall Mount, Red [RETRO PLATE] – ‘ALERT’



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Notice: This marketing data sheet is not intended to be used for system design or installation purposes.
For the most up-to-date information, refer to each product's installation instructions.