

# Notification Appliances

**ST** – Mass Notification Clear & 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

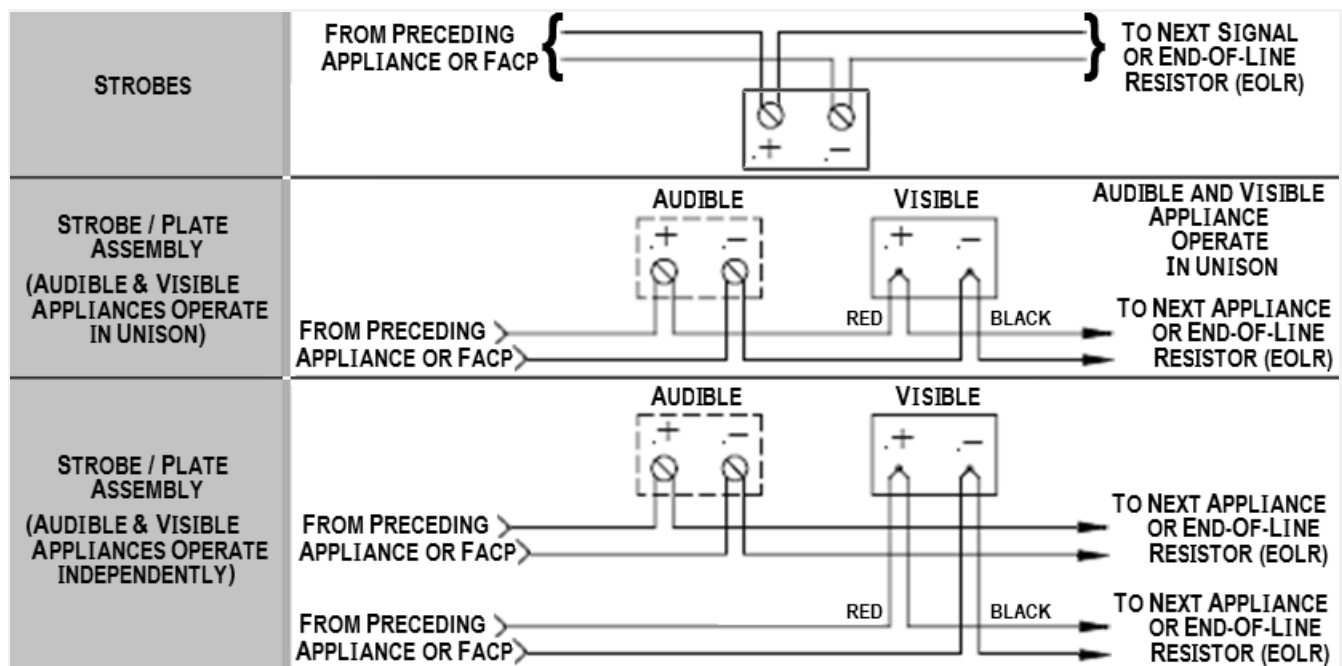
- The Model ST-series of strobes, used in correlation to mass-notification appliances, are a cost-effective way to retrofit colored-lens strobe appliances. Each Model ST-series strobe easily mounts to standard 4" backboxes, or – for surface-mount use – with Siemens Model SBL2S surface backbox.
  - @UL Listed for use with @UL2572 Listed mass-notification systems
  - Strobes are available in AMBER and CLEAR lens
    - Devices specific to mass notification will have the word 'ALERT' appear on its cover in red-or-white text
  - Strobes operate from 16 to 33VDC [using filtered or Full-Wave 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:
    - The 252 / 504-point addressable intelligent voice communication system from Siemens
    - FireFinder® XLSM panels
    - PAD-series NAC Extenders with built-in sync protocol
  - Available with a CLEAR lens or AMBER-lens option for mass notification:
    - 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
  - @UL Standard 1971 Listed;  
Complies with Occupational Safety and Health Administration (OSHA) 29, Part 1910.165

**'ST' (for MNS) Series Notification Appliances 2588**

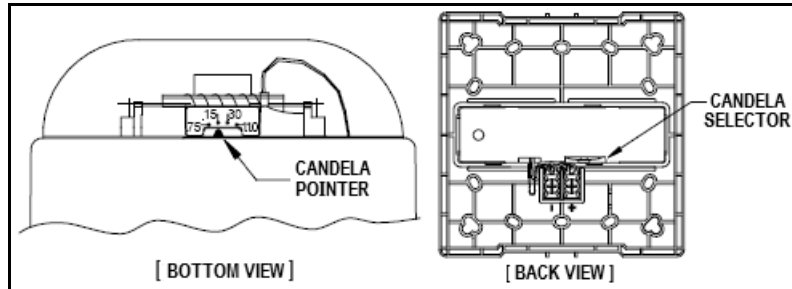
## Specifications

- Strobe appliances are 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 are 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 is tamper-resistant
  - The strobe portion, when synchronization is required, is compatible with DSC sync modules, and are utilized as **UL 2572 Listed mass-notification devices**:
    - The 252 / 504-point addressable intelligent voice communication system from Siemens
    - FireFinder XLSM panels
    - PAD-series NAC Extenders with built-in sync protocol
  - The strobes shall not drift out of synchronization at any time during operation
  - Strobes feature a 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 are 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 with '**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**

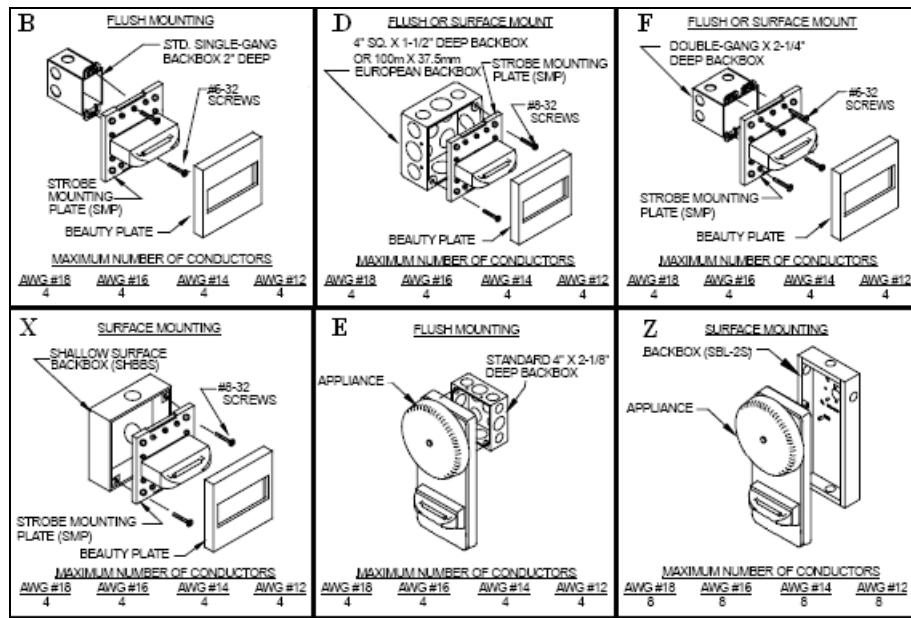
## Wiring Diagram



## 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 1638 and ©UL Standard 1971
- All notification appliances are 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

### ST-CMC Series: Clear Strobe, Ceiling Mount

Current Ratings (AMPs)		MAXIMUM RMS Current			
Input Voltage		15cd	30cd	75cd	95cd
DC	16.0 – 33.0VDC	0.069	0.111	0.200	0.264
FWR	16.0 – 33.0VRMS	0.117	0.180	0.297	0.398

### ST-CMC Series: Clear Strobe, Wall Mount

Current Ratings (AMPs)		MAXIMUM RMS Current			
Input Voltage		15cd	30cd	75cd	110cd
DC	16.0 – 33.0VDC	0.064	0.098	0.175	0.233
FWR	16.0 – 33.0VRMS	0.108	0.164	0.268	0.368

### ST-AMC Series: Amber Strobe, Ceiling Mount

Current Ratings (AMPs)		MAXIMUM RMS Current			
Input Voltage		11cd	22cd	56cd	71cd
DC	16.0 – 33.0VDC	0.069	0.111	0.200	0.264
FWR	16.0 – 33.0VRMS	0.117	0.180	0.297	0.398

### ST-AMC Series: Amber Strobe, Wall Mount

Current Ratings (AMPs)		MAXIMUM RMS Current			
Input Voltage		11cd	22cd	56cd	82cd
DC	16.0 – 33.0VDC	0.064	0.098	0.175	0.233
FWR	16.0 – 33.0VRMS	0.108	0.164	0.268	0.368

### ST (CNMA) Series: Used for mass notification

Current Ratings (AMPs)		MAXIMUM RMS Current			
Input Voltage		11cd	22cd	56cd	71cd
DC	16.0 – 33.0VDC	0.069	0.111	0.200	0.264
FWR	16.0 – 33.0VRMS	0.117	0.180	0.297	0.398

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

## Details for Ordering

Model	Part Number	Description
ST-AMC-W-MNS-ALERT	S54301-Z73-A1	MNS <b>Amber</b> Strobe, multi Candela – Wall Mount, White – ‘ALERT’
ST-AMC-CW-MNS-ALERT	S54301-Z74-A1	MNS <b>Amber</b> Strobe, multi Candela – Ceiling Mount, White – ‘ALERT’
ST-AMC-RETRO-W-MNS-ALERT	S54301-Z77-A1	MNS <b>Amber</b> Strobe, multi Candela – Wall Mount, White [RETRO PLATE] – ‘ALERT’
ST-AMC-R-MNS-ALERT	S54301-Z83-A1	MNS <b>Amber</b> Strobe, multi Candela – Wall Mount, <b>Red</b> – ‘ALERT’
ST-AMC-CR-MNS-ALERT	S54301-Z84-A1	MNS <b>Amber</b> Strobe, multi Candela – Ceiling Mount, <b>Red</b> – ‘ALERT’
ST-AMC-RETRO-R-MNS-ALERT	S54301-Z87-A1	MNS <b>Amber</b> Strobe, multi Candela – Wall Mount, <b>Red</b> [RETRO PLATE] – ‘ALERT’
ST-MC-CNMA	500-636141	MNS <b>Amber</b> Strobe, multi Candela – Wall Mount, White – ‘ALERT’
ST-MC-RETRO-CNMA	500-636144	MNS <b>Amber</b> Strobe, multi Candela – Wall Mount, White [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, <b>Red</b> – ‘ALERT’
ST-CMC-CR-MNS-ALERT	S54301-Z104-A1	MNS Clear Strobe, multi Candela – Ceiling Mount, <b>Red</b> – ‘ALERT’
ST-CMC-RETRO-R-MNS-ALERT	S54301-Z107-A1	MNS Clear Strobe, multi Candela – Wall Mount, <b>Red</b> [RETRO PLATE] – ‘ALERT’

**Note:** For Model ST-MC Series appliances, which contain the word ‘FIRE’ on the faceplate, refer to data sheet, #2573.

**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.