

Notification Appliances

SE – Speaker and Speaker Strobes

Application: Indoor



SE-MC-W
Speaker Strobe



SE-R
Speaker



SEC-W
Speaker



SE-MC-CR
Speaker Strobe

Product Overview

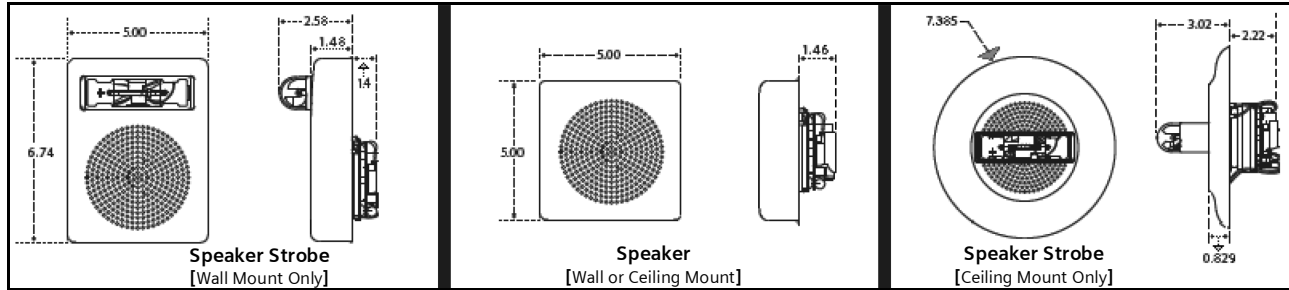
- Strobe portion of Siemens Series 'SE' appliances can be synchronized using the Siemens 50-point, 252-point and 504-point addressable fire alarm control panels (FACPs), as well as with:
 - FireFinder® XLS/V FACPs
 - PAD-3 or PAD-4™ NAC Extenders
 - Siemens dual-sync control (DSC) modules
- Ceiling-mount models are available with field-selectable Candela settings of: 15/30/75/95cd, or with field-selectable High Candela settings: 115/177cd
- Wall-mount speaker-strobe models with field-selectable Candela settings of: 15/30/75/110cd, or with field-selectable High Candela settings: 135/185cd
- Mounts to 4" (10.2 cm.) square –x– 2-1/8" (5.4 cm.) deep back box
 - An Optional Extender (SPEXT) can be used for mounting ceiling-only appliances to 4" (10.2 cm.) backboxes
 - No extension ring is required for Siemens Series 'SE' appliances used in wall-mount applications
- High-efficiency design for maximum output at minimum wattage across a frequency range of 400 to 4,000 Hz
- Field-selectable taps for 25 or 70 VRMS operation from 1/8 Watt up to 2 Watts
- Fast installation with In / Out screw terminals using #12 to #18 AWG wires
- Snap-on grille cover with non-visible mounting screws
- Complies with OSHA 29 Part 1910.16
- ©UL Listed & ©ULC Listed (©ULC for speaker-only | ceiling-mount applications);
FM (#3150) and CSFM Approved (#7125-0067:0254 -> Fire Alarm Devices For The Hearing Impaired)
(#7320-0067:0255 -> Speakers)

'SE' Series Notification Appliances 2580

Specifications

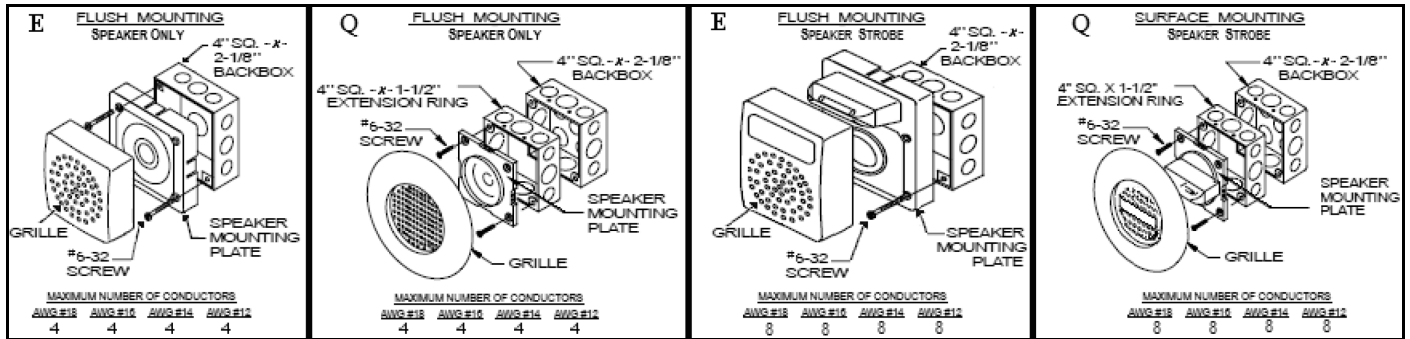
- Speaker appliances are Siemens Series 'SE' Speakers, and the speaker-strobe appliances are Siemens Series 'SE' Speaker Strobes or approved equals
- Speakers are @UL Listed under Standard 1480 for Fire Protective Service, and speakers equipped with strobes are listed under @UL Standard 1971 for Emergency Devices for the Hearing-Impaired
- Siemens Series 'SE' wall-mount appliances each have a listed sound output of up to 89 dBA at 10 feet (3 meters) and a listed frequency response of 400 to 4,000 Hz
- All ceiling-mount models have listed sound output of up to 87 dB at 10 feet (3 meters) and a listed frequency response of 400 to 4,000 Hz
- Speaker portion is designed for a field-selectable input of either 25 or 70 VRMS; with selectable power taps from 1/8 Watt to 2 Watts
- Speakers are comprised of a sealed-back construction
- All inputs accept terminals that use #12 to #18 AWG wire sizes
- Strobe intensity, where multi-Candela appliances are specified, have field-selectable settings, and are rated per @UL Standard 1971 for:
 - 15/30/75/110cd (wall mount)
 - 135/185cd (wall mount, high Candela)
 - 15/30/75/95cd (ceiling mount)
 - 115/177cd (ceiling mount, high Candela)
- Manual selector switch for setting the candela is tamper-resistant
- The strobe portion, when synchronization is required, is compatible via the use of the Siemens 50-point, 252-point and 504-point addressable fire alarm control panels (FACPs), as well as with:
 - FireFinder® XLS/V FACPs
 - PAD-3 or PAD-4™ NAC Extenders
 - Siemens dual-sync control (DSC) modules
- The strobes do not drift out of synchronization at any time during operation
- The strobes will revert to a non-synchronized flash-rate, if the sync module or Power Supply should fail to operate (i.e. – contacts remain closed)
- Wall-mount speaker and speaker-strobe appliances are designed for indoor-flush mounting to 4" (10.2 cm.) square –x– 2-1/8" (5.4 cm.) electrical boxes without need for an extension ring or surface mounting
- Ceiling-mount, speaker-strobe Series 'SE' appliances are designed for indoor, flush mounting
- Speaker and speaker-strobe incorporate a speaker-mounting plate with a snap-on grille cover
 - The finish on each grille for Siemens Series 'SE' speakers and speaker-strobes is white or red
- All speaker and speaker-strobe appliances are listed for Special Applications:
 - Strobes are designed to flash at 1-flash-per-second minimum over their "Regulated Input Voltage Range"
 - **Notes:** NFPA-72 specifies a flash rate of 1-to-2 flashes per second.
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

Mounting Diagram



(Shown In Inches)

Mounting Options



Technical Data

SE | SEC Series: Speakers

©UL Listed Models and Ratings						
Model*	Operating Voltage (VRMS)	dBA at 10 Feet (Rated Watts)				
		1/8	1/4	1/2	1	2
SE	25/70	77	79.5	82.5	85	88
SEC	25/70	77	79.5	82.5	85	88
SE-MC-C	25/70	77	79.5	82.5	85	88
SE-HMC	25/70	77	79.5	82.5	85	88

* All models available in red or white.

Notes: All models are ©UL Listed for indoor use with a temperature range of +32°F to +120°F (0°C to +49°C) and maximum humidity of 85% RH.

dBA is rated per ©UL Standard 1480 for Speaker Appliances.

Frequency range of speakers is 400 – 4,000Hz.

SE | SEC Series: Speakers

Speaker Voltage & Wattage Connection Chart		
Position	25V	70V
A	2	---
B	1	---
C	1/2	---
D	1/4	2
E	1/8	1
F	---	1/2
G	---	1/4
H	---	1/8

SE-MC-C Series: Ceiling-Mount Strobes

Current Ratings (AMPS)					
MAXIMUM RMS Current – with <u>H_i</u> dBA Setting					
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

SE-HMC-C Series: Ceiling-Mount Strobes

Current Ratings (AMPS)			
MAXIMUM RMS Current – with <u>H_i</u> dBA Setting			
Input Voltage	115cd	177cd	
DC	16.0 – 33.0VDC	0.318	0.445
FWR	16.0 – 33.0VRMS	0.482	0.684

SE-MC Series: Wall-Mount Strobes

Current Ratings (AMPS)					
MAXIMUM RMS Current – with <u>H_i</u> dBA Setting					
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

SE-HMC Series: Wall-Mount Strobes

Current Ratings (AMPS)			
MAXIMUM RMS Current – with <u>H_i</u> dBA Setting			
Input Voltage	135cd	185cd	
DC	16.0 – 33.0VDC	0.318	0.445
FWR	16.0 – 33.0VRMS	0.482	0.684

Details for Ordering – (Including Mounting Options & Agency Approvals)

Agency Approvals

Model	Part Number	Description	Wall Mount	Ceiling Mount	Mounting Options*	UL	ULC	FM	CSFM
SE-R	500-636029	SE Speaker: Red	YES	YES	E,O,P,Q,R,U,Y,AA	✓	✓	✓	✓
SE-W	500-636030	SE Speaker: White	YES	YES	E,O,P,Q,R,U,Y,AA	✓	✓	✓	✓
SE-MC-R	500-636025	SE Speaker / Speaker-Strobe: Multi-Candela, Red	YES	–	E,Q,U,BB	✓	✓	✓	✓
SE-MC-W	500-636026	SE Speaker / Speaker-Strobe: Multi-Candela, White	YES	–	E,Q,U,BB	✓	✓	✓	✓
SE-HMC-R	500-636027	SE Speaker / Speaker-Strobe: Hi Multi-Candela, Red	YES	–	E,Q,U,BB	✓	✓	✓	✓
SE-HMC-W	500-636028	SE Speaker / Speaker-Strobe: Hi Multi-Candela, White	YES	–	E,Q,U,BB	✓	✓	✓	✓
SEC-R	500-636035	SE Speaker: Ceiling, Red	YES	YES	Q,U	✓	✓	✓	✓
SEC-W	500-636036	SE Speaker: Ceiling, White	YES	YES	Q,U	✓	✓	✓	✓
SE-MC-CR	500-636031	SE Speaker / Speaker-Strobe: Multi-Candela Ceiling, Red	–	YES	Q,U,V	✓	✓	✓	✓
SE-MC-CW	500-636032	SE Speaker / Speaker-Strobe: Multi-Candela Ceiling, White	–	YES	Q,U,V	✓	✓	✓	✓
SE-HMC-CW	500-636034	SE Speaker / Speaker-Strobe: Hi Multi-Candela Ceiling, White	–	YES	Q,U,V	✓	✓	✓	✓
SE-HMC-CR	500-636033	SE Speaker / Speaker-Strobe: Hi Multi-Candela Ceiling, Red	–	YES	Q,U,V	✓	✓	✓	✓
SPEXT-R**	500-636116	** SPEXT is an extender ring that mounts behind the speaker to permit mounting to a 4" (10.2 cm.) square –x– 2-1/8" (5.4 cm.) deep electrical box – without the need for an extension ring on the box.				✓	✓	✓	✓
SPEXT-W**	500-636117					✓	✓	✓	✓

NOTE: There are no regulatory restrictions in mounting Siemens Series SE Speaker-only appliances to either wall or ceiling applications.

*

✓ = listed / approved

= Refer to data sheet # 2585 for detailed mounting options

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.