

SET Speakers and Speaker Strobes

Features

- UL listed. ULC, CSFM, and FM pending.
- ADA/NFPA compliant
- Wall mount models are available with Field Selectable Candela Settings of 15/30/75/110cd or 135/185cd (multi-candela models) or 1575cd (Single-Candela model)
- Ceiling mount models are available with field selectable candela settings of 15/30/75/95cd or 115/177cd.
- Strobes can be synchronized using the Siemens 5406B sync modules, MPC-6000 panel, MPC-7000 panel, or RSE-300 power supply with built-in sync protocol
- Field selectable taps for 25 or 70 VRMS operation from 1/8 watt to 8 watts
- High efficiency design for maximum output at minimum wattage across a frequency range of 400 to 4000 HZ
- Fast installation with IN/OUT screw terminals using #12 to #18 AWG wires

Description

The Siemens high performance Series SET Speakers and Series SET Speaker Strobes provide high audio output, clear audibility, dual voltage (25/70 VRMS) capability and field selectable taps from 1/8 to 8 watts. They are designed to meet the critical needs of the life safety industry for effective emergency voice communications, tone signaling and visible signaling to alert the hearing impaired.

The low profile design incorporates a speaker mounting plate for faster and easier installation. Each model has a built-in level adjustment feature a two (2) screw grille cover.

The Series SET Speaker Strobe models incorporate low current draw strobes.

Strobe options for wall mount models include Siemens MC multi-candela strobe with field selectable candela settings of 15/30/75/110cd or the high intensity HMC multi-candela strobe with field selectable candela settings of 135/185cd or single candela 15/75.

Ceiling mount models are available in Siemens MC multi-candela ceiling strobe with field selectable intensities of 15/30/75/95cd or the high intensity HMC strobe with field selectable 115/177cd.

The strobe portion of all Series SET Strobes may be synchronized when used in conjunction with the Siemens 5406B sync modules, MPC-6000 panel, MPC-7000 panel, or RSE-300 power supply with built-in sync protocol.

Siemens synchronized strobes offer an easy way to comply with ADA recommendations concerning photo-



SET-MC-R



SET-W



SET-CW



SET-MC-CW

sensitive epilepsy.

Series SET Speaker Strobes are UL Listed for indoor use under Standard 1971 (Signaling Devices for the Hearing Impaired) and Standard 1480 (Speaker Appliances), and use a Xenon flashtube with solid state circuitry enclosed in a rugged Lexan® lens to provide maximum reliability for effective visual signaling. All inputs are supervised and employ IN/OUT wiring terminals for fast installation using #12 to #18 AWG wiring.

Engineering Specifications

The speaker appliances shall be Siemens Series SET Speakers and speaker strobe appliances shall be Siemens Series SET Speaker Strobes or approved equals. The speakers shall be UL Listed under Standard 1480 for Fire Protective Service and speakers equipped with strobes shall be listed under UL Standard 1971 for Signaling Devices for the Hearing-Impaired. In addition, the strobes shall be certified to meet the requirements of FCC Part 15, Class B.

All speakers shall be designed for a field selectable input of either 25 or 70 VRMS, with selectable power taps from 1/8 watt to 8 watts. All models shall have listed sound output of up to 93 dB at 10 feet and a listed frequency response of 400 to 4000 Hz. The speaker shall also incorporate a sealed back construction. All inputs shall employ terminals that accept #12 to #18 AWG wire sizes.

The strobe portion of the appliance shall produce a flash rate of one (1) flash per second and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens. The

strobe shall be of low current design. Where, Multi-Candela Speaker Strobes are specified, the strobe intensity shall have field selectable settings and shall be rated per UL Standard 1971 at 15/30/75/110cd, 135/185cd, or single candela 15/75 for wall mount and 15/30/75/95 cd or 115/177cd for ceiling mount. The selector switch for selecting the candela shall be tamper resistant.

When synchronization is required, the strobe portion of the appliance shall be compatible with the Siemens 5406B sync modules, MPC-6000 panel, MPC-7000 panel, or RSE-300 power supply with built-in sync protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync module or Power Supply fails to operate, (i.e., contacts remain closed), the strobe shall revert to a non-synchronized flash rate.

The speaker and speaker strobe appliances shall be designed for indoor surface or flush mounting. The speaker and speaker strobe shall incorporate a speaker

mounting plate with a grille cover which is secured with two screws for a level finish and shall mount to standard electrical hardware requiring no additional trimplate or adapter.

The finish of the Series SET speakers and speaker strobes shall be white or red.

All speakers and speaker strobes shall be listed for Special Applications.

- Strobes are designed to flash at 1 flash per second minimum. Note that 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.

Technical Information

For complete technical information, please consult the relevant installation sheets as well as the Siemens Compatibility Guide.

Ordering Information / Mounting Requirements / Approvals

Model	Order Code	Mounting Options	Agency Approvals			
			UL	ULC	CSFM	FM
SET-MC-R	500-636051	L,P,Q,U,Y	X	#	#	#
SET-MC-W	500-636052	L,P,Q,U,Y	X	#	#	#
SET-HMC-R	500-636053	L,P,Q,U,Y	X	#	#	#
SET-HMC-W	500-636054	L,P,Q,U,Y	X	#	#	#
SET-S17-R-WP	500-636058	M (Outdoor)	X	#	#	#
SET-S17-W-WP	500-636059	M (Outdoor)	X	#	#	#
SET-S17-CW-WP	500-636057	M (Outdoor)	X	#	#	#
SET-MC-CW	500-636063	Q,U,Y	X	#	#	#
SET-MC-CR	500-636062	Q,U,Y	X	#	#	#
SET-HMC-CW	500-636065	Q,U,Y	X	#	#	#
SET-HMC-CR	500-636064	Q,U,Y	X	#	#	#
SET-R	500-636055	P,Q,U,Y	X	#	#	#
SET-W	500-6360556	P,Q,U,Y	X	#	#	#
SET-CW	500-636067	Q,U	X	#	#	#
SET-177-CR-WP	500-636189	MT-SUR-BOX, MT-SUR-BOX+WPS-KIT, WFPS	X	#	#	#
SET-177-CW-WP	500-636190	MT-SUR-BOX, MT-SUR-BOX+WPS-KIT, WFPS	X	#	#	#
SET-185-R-WP	500-636191	MT-SUR-BOX, MT-SUR-BOX+WPS-KIT, WFPS	X	#	#	#
SET-185-W-WP	500-636192	MT-SUR-BOX, MT-SUR-BOX+WPS-KIT, WFPS	X	#	#	#

X = listed/approved

= pending

* = Refer to Data Sheet #9675 for mounting options.

WARNING: PLEASE READ THESE SPECIFICATIONS AND INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS AND WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.



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