

'08 Series Notification Appliances

SET – VANDAL**Application: Indoor**

SET-MC-V
Speaker Strobe



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Speaker Strobe



SETSF / SETFL
Speaker



SETSF / SETFL
Speaker

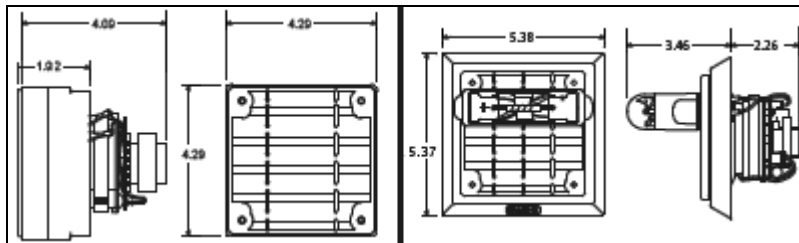
Product Overview

- Audio inputs include a 10 uF blocking capacitor for compatibility with DC supervision of Speaker Notification Appliance Circuits
- Attractive package styles for flush or surface mounting to standard, low-cost backboxes
- Sealed-back speaker construction for extra protection and improved audibility
- All strobe inputs are compatible with standard-reverse, polarity-type supervision of circuit wiring by an alarm panel
- SET-V Speaker Strobe models available with multi-Candela strobes rated 15/30/75/110cd
- Field-selectable taps for 25 or 70 VRMS operation from 1/8 watt up to 8 watts in 3 dB steps
- Vandal-resistant, die-cast grilles
- High-efficiency speakers designed for maximum output at minimum wattage across 400 to 4000 Hz frequency range
- Fast installation with In / Out screw terminals using #12 to #18 AWG wiring
- Designed to meet or exceed NFPA / ANSI Standards and ADA Accessibility Guidelines
- SETSF models UL Listed for outdoor use with Siemens WBBS outdoor backbox
- UL Listed & ULC Listed;
FM, CSFM & NYMEA Approved
- Complies with OSHA 29 Part 1910.165

Specifications

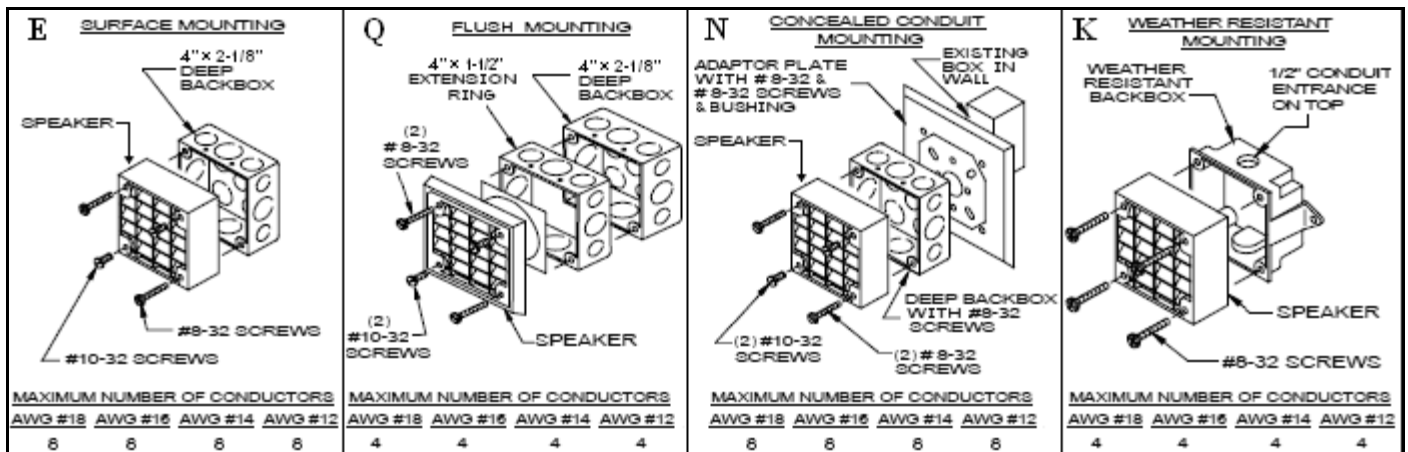
- Speaker appliances shall be Siemens Series SETSF, SETFL, or SET vandal-resistant speakers and speaker strobes or equivalent
- Speakers shall be ®UL Listed under Standard 1480 for Fire Protective Service, and speakers equipped with strobes shall be listed under ®UL Standard 1971 for Emergency Devices for the Hearing-Impaired
 - SETSF models shall be listed for outdoor use under ®UL Standard 1480
- All models shall have listed sound output of up to 87 dB at 10 feet and a listed frequency response of 400 to 4000 Hz
- All speakers shall include both 25 and 70 volt VRMS inputs with field-selectable power taps from 1/8 to 8 watts, with listed sound output up to 94 dB for speakers or speaker strobes
- All models shall have provisions for standard NAC supervision and In / Out field wiring using terminals that accept #12 to #18 AWG wiring
- Combination speaker strobe appliances shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens or equivalent with solid-state circuitry
- Strobes shall meet ®UL Standard 1971, and produce a flash rate of one (1) flash per second minimum over the listed input voltage (16VDC-33VDC) range
- Multi-Candela strobe intensity shall be rated per ®UL Standard 1971 at 15/30/75/110cd
- All strobe versions shall incorporate circuitry for synchronized strobe flash, and shall be designed for compatibility with Siemens DSC Sync Modules, FS-250 panel, XLS panel, and PAD-3 power supply
- Strobe activation shall be via independent input from the speaker notification appliance circuit
- Speaker and speaker-strobe appliances shall be designed for indoor surface or flush mounting
- All speaker and speaker-strobe appliances shall be 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

Mounting Diagram



(Shown In Inches)

Mounting Options



Technical Data

Models*	Operating Voltage (Special Application) [Per UL 464] (VRMS)	$\text{UL Listed Models and Ratings}$ (Speaker)							$\text{UL Listed Models and Ratings}$ (Strobe)		
		dBA at 10 Feet (Rated Watts)							Operating Voltage (Special Application) [Per UL 1971] (VDC/VRMS)	Voltage Range [Per ULC-S526-02] (VDC/VRMS)	Strobe Candela (cd)
SET-MC-V	25/70	78	81	84	87	90	92	94	16.0-33.0	20.0-31.0	15/30/75/110
SET-FL-V	25/70	78	81	84	87	90	92	94	— — — —	— — — —	— — — —

*Available in red and white

- Notes:**
1. Strobe will produce 1 flash per second over the Input Voltage range
 2. Strobes meet the required light distribution patterns defined in UL 1971
 3. SET-MC-V is 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.
 - The outcome of shipping and storage temperatures is not subjected to misuse or abuse, and shall not adversely affect the performance of the appliance when it is stored in the original cartons
 4. The maximum supervision voltage is 33 volts DC
 5. Frequency range of speakers is 400 – 400Hz

SET-MC-V		$\text{UL Current Ratings (Strobe Only)}$ Maximum RMS Current (AMPS)			
		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

Speaker Voltage and Wattage Connection Chart		
Position	25V	70V
A	8	— — — —
B	4	— — — —
C	2	— — — —
D	1	8
E	1/2	4
F	1/4	2
G	1/8	1
H	— — — —	1/2
I	— — — —	1/4
J	— — — —	1/8

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

						Agency Approvals			
Model Number	Part Number	Description	Mounting Options*	UL	ULC	FM	CSFM		
SETSF-VR	500-636047	ET1010, Red	K,N,R	X	X	X	X		
SETSF-VW	500-636048	ET1010, White	K,N,R	X	X	X	X		
SETFL-VR	500-636049	ET1080, Red	P,Q,Y	X	X	X	X		
SETFL-VW	500-636050	ET1080, White	P,Q,Y	X	X	X	X		
SET-MC-VR	500-636060	ET Speaker Multi Candela (VANDAL Resistant), Red	P,Q,R,Y	X	X	X	X		
SET-MC-VW	500-636061	ET Speaker Multi Candela (VANDAL Resistant), White	P,Q,R,Y	X	X	X	X		

X = listed / approved

* = Refer to catalog sheet #: 2585 for detailed mounting options

Notice: This marketing catalog 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.