

Series MB Motor Bells

Features

- UL listed. ULC, CSFM, and FM pending.
- Meets OSHA 29 Part 1910.165
- High sound output with low current draw
- Low frequency aluminum shells for better audibility through walls, doors and other structures
- 6" and 10" shell sizes in 24 VDC models
- Integral RFI suppression to minimize induced noise on the NAC circuit
- Mounting options for surface, semi-flush, outdoor, and concealed conduit installation
- Built-in trimplate makes semi-flush mounting simpler and less expensive
- Screw terminals permit fast in-out field wiring of #12 to 18 AWG wire
- Polarized for DC supervision of NAC circuits
- Operates on filtered or unfiltered DC
- For combined audible (bell) and visual signaling, convenient retrofit plate assemblies are available with Multi-Candela strobes.



Description

The Siemens Series MB Motor Bells provide a better engineered motor bell for fire and life safety alarm systems. The Siemens Series MB Bells include higher dBA, low current draw, built-in trimplate for semi-flush mounting, low frequency aluminum shells, and low RFI noise. The motor for Series MB Bells is a durable, high torque permanent magnet motor selected for its high performance and long life.

These DC vibrating Series MB Motor Bells are offered in 6" and 10" shell sizes in both 24 VDC models.

Series ST Sync/Non-Sync retrofit plates are used in conjunction with the Series MB Motor Bell when combination appliances are required. The Series ST retrofit plates are available with Multi-Candela strobes and easily mount to a 4" square or Siemens SBL2S backbox. All Series ST strobe appliances meet or exceed the requirements of NFPA 72 (National Fire Alarm Code), ANSI 117.1 (American National Standard for Accessible and Usable Buildings and Facilities), ADA (Americans with Disabilities Act) and UL Standard 1971 (Signaling Devices for the Hearing Impaired).

The Series ST retrofit plates may be synchronized using 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 requirements concerning photo-sensitive epilepsy.

Engineering Specifications

The alarm appliances shall be Siemens Series MB vibrating Motor Bells or approved equal. They shall be UL Standard 464 Listed for Fire Protective Service. Shells shall be aluminum in 6" or 10" diameter. Sound output at 10 feet shall be 92 dBA. The bells shall incorporate a permanent magnet motor and suppression circuitry to minimize RFI. They shall include a built-in trimplate for semi-flush mounting to a standard 4" square backbox, or surface mounting to Siemens indoor BBS backbox or outdoor WBBS backbox.

For bell strobe applications, retrofit plates Siemens Series ST with Multi-Candela strobes shall be used. All bell models shall be polarized for line supervision and shall have screw terminals for in-out field wiring of #12 to #18 AWG wire. Operating voltage shall be nominal 24 VDC. Finish on all models shall be textured enamel. All notification appliances shall be listed for "Special Applications".

Technical Information

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

Mounting Requirements / US Ordering Information / Approvals

Model Number	Order Code	Mounting Options*	Agency Approvals			
			UL	ULC	CSFM	FM
MBDC-6	500-688449	D,E,J,K,N,O,P,R,S	X	#	#	#
MBDC-10	500-688448	D,E,J,K,N,O,P,R,S	X	#	#	#
ST-RETRO-MC-R	500-636103	D,E,Z	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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