

# Wheelock MB Series Motor Bells

Section: Audio/Visual Devices

## GENERAL

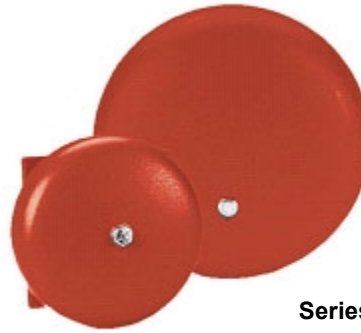
Wheelock's Series MB Motor Bells provide a better engineered motor bell for fire and life safety alarm systems. The Wheelock Series MB Bells include higher dBA, low current draw, built-in trimplate for semi-flush mounting, low frequency aluminum shells, and low RFI noise. The motor for Series MB Bells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

Series RSSP Sync/Non-Sync retrofit plates are used in conjunction with the Series MB Motor Bell when combination appliances are required. The Series RSSP retrofit plates are available with either Multi-Candela or single candela strobes and easily mount to a 4" square or Wheelock SBL-2 backbox. All Series RSSP 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 RSSP retrofit plates may be synchronized when installed with the Wheelock Series SM, DSM, Sync Modules or a Power Supply with Wheelock's patented sync protocol. Wheelock's synchronized strobes offer an easy way to comply with ADA requirements concerning photo-sensitive epilepsy.

## FEATURES

- 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 12 or 24 VDC models.
- Integral RFI suppression to minimize included 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
- Polarized for DC supervision of NAC circuits.
- Operates on filtered or unfiltered DC.


 California  
State Fire  
Marshal  
7135-0785:113

**Series MB**

**MB Bell Mounted on  
RSSP Remote Plate**

**REMOTE PLATE  
with SBL-2**

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact **NOTIFIER**. Phone: (203) 484-7161 FAX: (203) 484-7118


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**ISO 9001**  
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ENGINEERING & MANUFACTURING  
QUALITY SYSTEMS

# ARCHITECTS AND ENGINEERS SPECIFICATIONS

The alarm appliances shall be Wheelock 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 Wheelock's indoor BB backbox or outdoor WBB backbox. For bell strobe applications, retrofit plates Wheelock Series RSSP with Multi-Candela or Single 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 or 12 VDC. Finish on all models shall be red enamel.

## PRODUCT ORDERING INFORMATION

Model Number	Shell Size	Input Voltage (VDC)	Input Current	dBA @ 10 Ft.	Mounting Options
MB-G6-12-R	6"	12	0.060	92	D,E,J,K,N,R,S,Z
MB-G6-24-R	6"	24	0.030		
MB-G10-12-R	10"	12	0.060		
MB-G10-24-R	10"	24	0.030		

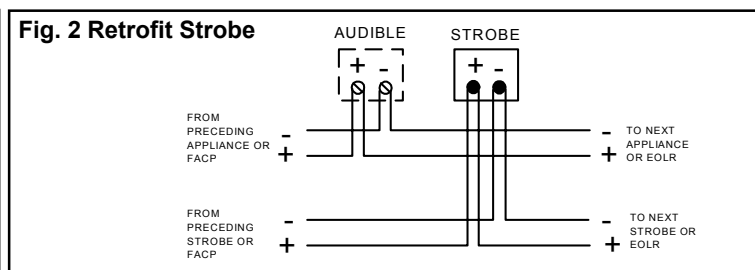
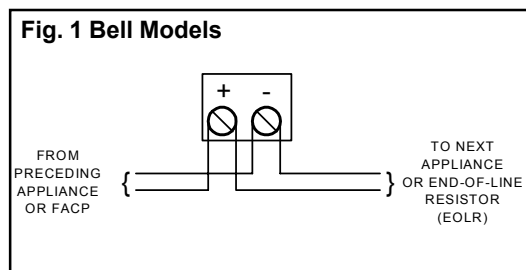
**NOTES:** 1. Typical dBA at 10 feet is measured in an anechoic chamber.  
 2. For bells all 12 VDC models are UL rated for 9.0 to 15.6 VDC and all 24 VDC models for 18.0 to 31.0 VDC.

Model Number	Order Code	Nominal Voltage (VDC)	Strobe Candela	*Average Current (AMPS) at listed VDC	**Mounting Options
RSSP-24MCW-FR	9402	24	15/30/75/110	.050/.081/.133/.161	D,E,Z
RSSP-241575W-FR	7793	24	15 (75 on-axis)	.065	D,E,Z
RSSP-121575W-FR	7798	12	15 (75 on-axis)	.170	D,E,Z

SYNC MODELS/POWER SUPPLY			
MODEL NUMBER	INPUT VOLTAGE (VDC)	AVERAGE MEAN CURRENT @ 24 VDC	MOUNTING OPTIONS
SM-12/24-R	24	.028	W
DSM-12/24-R	24	.035	W

\* Average Current per actual Wheelock Production Testing at listed VDC. For Rated Average and Peak current across UL regulated voltage range for both Filtered DC and Unfiltered VRMS, see Installation Instructions  
 \*\* Refer to Data Sheet S7000 for Mounting Options  
 #SM Sync Module is rated for 3.0 amperes @ 24 VDC. ##DSM Sync Module is rated for 3.0 amperes per circuit. The maximum number of interconnected DSM modules is twenty (20). Refer to Data Sheet S3000 or Installation Instructions P83123 for SM and P83177 for DSM.

## WIRING



Wheelock products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

**WARNING: PLEASE READ THESE SPECIFICATIONS AND ASSOCIATED INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS OR 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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