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## GENERAL

The Cooper-Wheelock Series MB motor bells provide a better engineered motor bell for fire and life safety alarm systems. A number of improvements have been built into the Wheelock Series MB bells, including 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 motor bells are offered in 6" and 10" gong sizes in both 12 and 24 VDC models.

Series LSP/MSP/ISP/HSPW/LSPM retrofit plates are used for combination signaling using the MB Motor Bell and visual strobe signals. These 15, 15/75, 30, 75 and 110 candela strobe plates are designed for Americans with Disabilities Act (ADA) applications while meeting or exceeding the latest requirements of NFPA 72 (the National Fire Alarm Code), ANSI 117.1 (the American National Standard for Accessible and Usable Buildings and Facilities), and UL Standard 1971 (Signaling Devices for the Hearing Impaired). These new strobe products, when properly specified and installed in accordance with NFPA/ANSI Standards, can provide the Equivalent Facilitation allowed under ADA Accessibility Guidelines (ADAAG General Section 2.2) by meeting or exceeding the illumination which results from ADA's strobe intensity guidelines of 75 candela at 50 feet. This is an illumination of 0.030 lumens per square foot (foot-candles).



Series MB



Series LSPM

## MB SERIES MOTOR BELL



Series  
LSP/MSP/ISP



Series HSPW

## FEATURES

- **UL listed for Fire Protective Service.**
- **High sound output with low current draw.**
- **Low-frequency aluminum gongs provide better audibility through walls, doors, and other structures.**
- **Both 6" and 10" gong sizes in 12 or 24 VDC models.**
- **Integral RFI suppression to minimize induced noise on alarm circuits.**
- **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 – 22 AWG wire.**
- **Polarized for DC supervision of alarm lines.**
- **Operate on filtered or unfiltered DC.**
- **For combined audible (bell) and visual signaling, convenient retrofit plate assemblies are available with 15, 15/75, 30, 75 and 110 candela strobes (refer to Specification Sheet, Series LS/LSM/MS/IS/HSW Strobes, for strobe specifications and technical information).**



**E5946**

LSP-24-HFR  
LSPM-24-VFR  
MSP-24-HFR  
ISP-24-HFR  
HSPW-24-HFR  
LSP-12-HFR  
LSPM-12-VFR  
MSP-12-HFR



APPROVED

**0X7A6.AY:**

LSP-24-HFR, MSP-24-HFR,  
ISP-24-HFR, HSPW-24-HFR

**0Y3A5.AY:**

LSPM-24-VFR

**0Y7A0.AY:**

LSP-12-HFR, LSPM-12-VFR,  
MSP-12-HFR

**MEA**  
151-92-E

Vol. 6: HSPW-24-HFR

Vol. 7: ISP-24-HFR

LSPM-24-VFR

Vol. 8: LSP-24-HFR

MSP-24-HFR

Vol. 11: LSP-12-HFR

LSPM-12-VFR

MSP-12-HFR



California  
State Fire  
Marshal

**7125-0785:116:**

LSP-24-HFR,  
LSPM-24-VFR, MSP-24-HFR,  
ISP-24-HFR, LSP-12-HFR,

LSPM-12-VFR, MSP-12-HFR

**7125-0785:119:**

HSPW-24-HFR

## An ISO 9001 Company

Specifications are provided for information only, and are not intended to be used for installation purposes and are believed to be accurate. However, no responsibility is assumed by Gamewell-FCI for their use.

Specifications subject to change without notice.

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# ORDERING INFORMATION

Model Number	Order Code	Shell Size	Input Voltage (VDC)	Input Current	dBA @ 10 Ft.	Wiring	Mounting Options
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## DC VIBRATING MOTOR BELLS

MB-G6-12-R	3942	6"	12	0.060	92	Fig. 1	A (Note 1) B, C, D
MB-G6-24-R	3941	6"	24	0.030			
MB-G10-12-R	3944	10"	12	0.060			
MB-G10-24-R	3943	10"	24	0.030			

Strobe retrofit plates to be used with motor bells for combination signaling

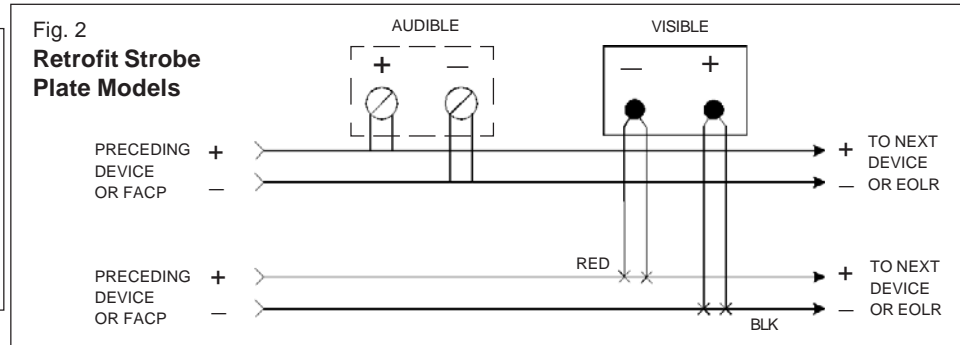
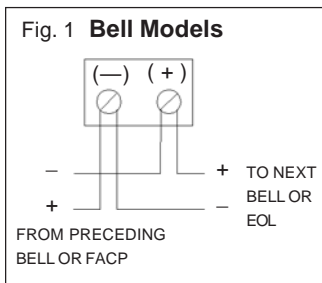
refer to Spec Sheet S0800 for retrofit plate specifications and technical information

Model Number	Order Code	Strobe Candela	Input Voltage	Input Current	Wiring	Mounting Options
LSP-24-HFR	5180	15	24	.080	Fig. 2	E, F
LSPM-24-VFR	5179	15/75	24	.115		E, G
MSP-24-HFR	5320	30	24	.135		E, F
ISP-24-HFR	5354	75	24	.225		E, F
HSPW-24-HFR	5181	110	24	.230		E, F
LSP-12-HFR	5379	15	12	.160		E, F
LSPM-12-VFR	5677	15/75	12	.220		E, G
MSP-12-HFR	5380	30	12	.230		E, F

### NOTES:

- 1) Built-in trim plate eliminates need for SFP plate.
- 2) Typical dBA at 10 ft. is measured in an anechoic chamber.
- 3) All 12 VDC model bells are UL rated for 9.0 to 15.6 VDC and all 24 VDC models for 18.0 to 31.0 VDC. Strobe Signals for 24 VDC operation are UL listed over a voltage range from 20 VDC to 31 VDC. Strobe Signals for 12 VDC operation are UL listed over a voltage range of 10.5 VDC to 15.6 VDC. All DC models can be used with filtered and unfiltered (full wave rectified) voltage.

## WIRING



## MOUNTING OPTIONS

Mounting plates and backboxes ordered *separately* – specify color.

<p><b>A. SEMI-FLUSH</b></p> <p>SERIES MB Standard 4" square backbox</p>	<p><b>B. SURFACE</b></p> <p>SERIES MB BB</p>	<p><b>C. CONCEALED CONDUIT</b></p> <p>SERIES MB AP</p>	<p><b>D. OUTDOOR</b></p> <p>SERIES MB WBB</p>
<p><b>E. FLUSH</b></p> <p>Standard 4" square backbox x 2-1/8" deep backbox</p> <p>SIGNAL</p>	<p><b>F. SURFACE SBLI</b></p> <p>Backbox (SBL-1)</p> <p>(Use SBL for LSPM models with vertical lens)</p> <p>SIGNAL</p>	<p><b>G. SURFACE SBL</b></p>	

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