

# Multi-Alert™ & Mini-Alert™ Sounders and Strobes



## Multi-Alert Models

### Sounder

MA12/24D

### Strobes

SS24LO

SS24M

SS24LOLA

### Sounder/Strobes

MASS24LO

MASS24M

MASSLOLA

## Mini-Alert Sounders

### Red

PA400

PA400R-F

### Beige

PA400

PA400B-F

### White

PA400W

PA400W-F

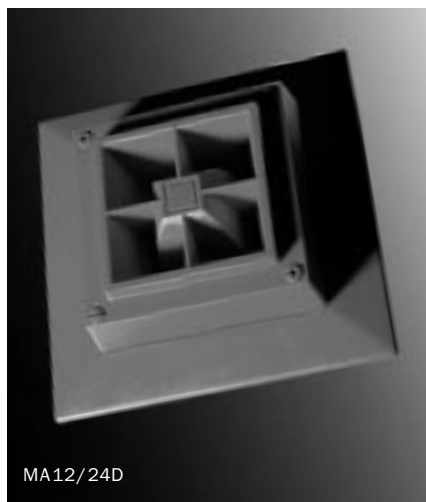
## Add-on Strobes

### Red

PS24LO

### White

PS24LOW



MA12/24D



PA400R-F

## Product Overview

### Multi-Alert Sounder:

12 and 24V operation

8 field-selectable tones

### Multi-Alert Strobes and Sounder/Strobes:

24V operation

1.5 or 15 candela

UL1638 listed

### Mini-Alert Sounders:

12 and 24V operation

1.5 cd add-on strobe available

System Sensor's Multi-Alert sounder and sounder/strobes are suited to provide primary or secondary signaling for fire and security applications. The MA and MASS models provide eight field-selectable warning tones.

The Multi-Alert models mount directly to 4" square back boxes. Optional mounting plates are available for either flush or semi-flush installations. Model MA12/24D is suitable for outdoor applications when installed with the WBB weather-proof back box.

**Multi-Alert Strobes.** System Sensor's Multi-Alert strobes are UL1638 compliant electronic visible warning signals that flash approximately every 1.5 seconds. All circuits are polarized to be compatible with DC alarm supervision.

**Mini-Alert Sounders.** System Sensor's PA400 series Mini-Alert sounders operate at 12 and 24 volts and are ideal for hotel, motel or residential fire system applications, where a smaller notification device is desired. The PA400 sounders are available with or without FIRE identification, and are offered in red, beige, and white.



## Engineering Specifications

**Multi-Alert Sounders** shall be a System Sensor Model MA 12/24D capable of operating at 12 and 24VDC. Sounder shall be listed to Underwriter's Laboratories Standard UL464 for fire protective signaling systems. Sounder shall have an operating temperature between -31°F and 151°F. Sounder shall have eight tone options, selected by means of clips.

**Mini-Alert Sounders** shall be a System Sensor Model \_\_\_\_\_ capable of operating at 12 and 24VDC. Sounder shall be listed to Underwriter's Laboratories Standard UL464 for fire protective signaling systems. Sounder shall have an operating temperature between 14°F and 140°F.

**Multi-Alert and Mini-Alert Sounder/Strobes** shall be a System Model \_\_\_\_\_ capable of operating at 24VDC. Sounder/strobe shall be listed to Underwriter's Laboratories Standards UL464 and UL1638 for fire protective signaling systems. Sounder/strobe shall have an operating temperature between 32°F and 120°F. Strobe shall be powered independently of the sounder and shall operate at 24VDC, with a UL range rating of 22.5 to 30VDC. Actual operating voltage must be between 18 and 33VDC. Strobe shall have a minimum light output of 1.5 or 15 candela and shall be UL1638 listed for private mode applications.

## Multi-Alert Sounder Specifications

### Dimensions

4" x 4" x 2 1/4"

### Weight

5.7 oz. (162 g)

### Operating Voltage

12VDC to 24VDC FWR unfiltered\*

\*Actual 12 V operating voltage cannot be less than 9.6VDC or greater than 18.7VDC.  
Actual 24 V operating voltage cannot be less than 18VDC or greater than 33VDC.

### Mounting

Surface 4" x 4" back box (1 1/2" to 2 1/8" deep)  
Flush 4" x 4" BBD deep back box (2 3/4" deep)  
Semi-flush 4" x 4" back box (1 1/2" to 2 1/8" deep)  
with MP-SF mounting plate

### Input Terminals

12 to 18 AWG

### Operating Temperature Range

-32° to 151°F (-35° to 66°C)

## Multi-Alert Strobe Specifications

### Dimensions

4" x 4" x 2 15/16"

### Weight

8.2 oz. (232 g)

### Operating Voltage

24VDC and FWR unfiltered\*

\*Actual 24V operating voltage cannot be less than 18VDC or greater than 33VDC.

### Mounting

Surface 4" x 4" back box (1 1/2" to 2 1/8" deep)  
Semi-flush 4" x 4" back box (1 1/2" to 2 1/8" deep)  
with MP-SF mounting plate

### Input Terminals

12 to 18 AWG

### Operating Temperature Range

-31° to 151°F (-35° to 66°C)

## Mini-Alert Specifications

### Dimensions

4 1/2" x 2 3/4" x 1 1/8"

### Weight

2.4 oz. (159 g)

### Operating Voltage

12VDC to 24VDC FWR unfiltered\*

\*Actual 12V operating voltage cannot be less than 9.6VDC or greater than 18.7VDC.  
Actual 24V operating voltage cannot be less than 18VDC or greater than 33VDC.

### Mounting

Surface Single gang back box  
Flush 4" x 4" BBD deep back box (2 3/4" deep)

### Input Terminals

12 to 18 AWG

### Operating Temperature Range

14° to 140°F (-10° to 60°C)

## Ordering Information/Current Draw

### Multi-Alert/Mini-Alert Model Numbers

Red	Beige	White	Description	Voltage	Average Current	Candela	dB Output (UL)***
MA12/24D			Multi-Alert sounder	12/24VDC	*	—	75-85
SS24LO			Multi-Alert strobe	24VDC	25 mA	1.5	—
SS24M			Multi-Alert strobe	24VDC	75 mA	15.0	—
SS24LOLA			Multi-Alert strobe ("FUEGO" lens)	24VDC	25 mA	1.5	—
MASS24LO			Multi-Alert sounder /strobe	24VDC	**	1.5	75-85
MASS24M			Multi-Alert sounder /strobe	24VDC	**	15.0	75-85
MASS24LOLA			Multi-Alert sounder/strobe ("FUEGO" lens)	24VDC	**	1.5	75-85
PA400R	PA400B	PA400W	Mini-Alert sounder	12/24VDC	12/15 mA	—	82
PA400R-F	PA400B-F	PA400W-F	Mini-Alert sounder ("Fire" identification)	12/24VDC	12/15 mA	—	82
PS24LO		PS24LOW	Add-on strobe	12/24VDC	5 mA	1.5	82

## Accessory Model Numbers

	Description
MP-F/MP-FB	Flush mounting plate (red/beige)
MP-SF/MP-SFB	Semi-flush mounting plate (red/beige)
BB-D	Flush mounting deep back box, 2 3/4" deep
WBB	Weatherproof back box for MA 12/24D

\* Current ranges from 10mA to 55mA depending upon voltage and sound selected

\*\* Current ranges from 35mA to 80mA depending upon voltage and sound selected

\*\*\* Sound output varies depending upon voltage and sound selected.

Note: LO and M style strobe and sounder/strobe models are not MEA approved.

## System Sensor Sales and Service

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### System Sensor in China

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### System Sensor in Singapore

Ph: 011.65.273.2230  
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