Multi-Alert[™] & Mini-Alert[™] Sounders and Strobes



Multi-Alert Models

Sounder

| MA12/24D | |
|----------|--|
| Strobes | |
| SS24L0 | |
| SS24M | |
| SS24LOLA | |

Sounder/Strobes MASS24LO MASS24M MASSLOLA

Mini-Alert Sounders

| Red | Beige | White |
|----------|----------|----------|
| PA400 | PA400 | PA400W |
| PA400R-F | PA400B-F | PA400W-F |

Add-on Strobes

| Red |
|--------|
| PS24L0 |

White PS24LOW

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



Engineering Specifications





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.

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 21/4"

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

Input Terminals

12 to 18 AWG

Mounting

Input Terminals 12 to 18 AWG

12 to 18 AWG

Surface

Flush

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.

Mini-Alert Specifications

Dimensions 41/2" x 23/4"x 11/8"

Weight 2.4 oz. (159 g) Mounting Single gang back box Surface 4" x 4" BBD deep back box (23/4"deep)

Surface $4'' \times 4''$ back box $(1^{1/2''}$ to $2^{1/8''}$ deep) Semi-flush $4'' \times 4''$ back box $(1^{1/2''}$ to $2^{1/8''}$ deep)

with MP-SF mounting plate

Operating Temperature Range 14° to 140°F (-10° to 60°C)

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.

Ordering Information/Current Draw

Multi-Alert/Mini-Alert Model Numbers

| | | | | | Average | | dB Output |
|------------|----------|----------|--|----------|----------|---------|-----------|
| Red | Beige | White | Description | Voltage | Current | Candela | (UL)*** |
| MA12/24D | | | Multi-Alert sounder | 12/24VDC | * | — | 75–85 |
| SS24L0 | | | 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 | _ |
| MASS24L0 | | | 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 |
| PS24L0 | | PS24LOW | Add-on strobe | 12/24VDC | 5 mA | 1.5 | 82 |

Accessory Model Numbers D - -

| | 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, 23/4" 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

www.systemsensor.com

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| Documents on Demand 1-800-736-7672 x3 | Fx: 011.44.1403.276501 | Fx: 011.65.273.2610 | Fx: 011.613.54.281.172 |

Operating Temperature Range -32° to 151°F (-35° to 66°C)

Operating Temperature Range

-31° to 151°F (-35° to 66°C)

Flush Input Terminals

4" x 4" back box (11/2" to 21/8" deep)

 $4'' \times 4''$ BBD deep back box (2³/4" deep)

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