

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

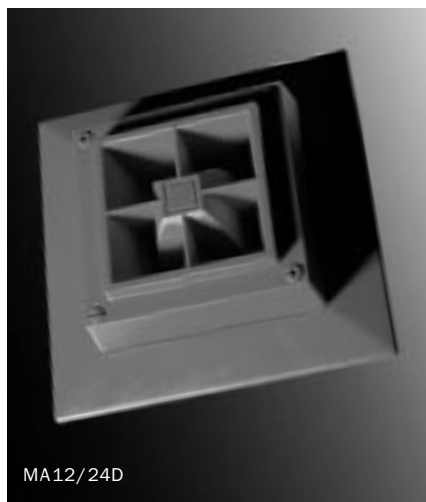
Add-on Strobes

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.

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