

SS24ADA/MASS24ADA Strobes and Horn/Strobes



Models Available

Strobes

SS2415ADA
SS2475ADA
SS24110ADA

Horn/Strobes

MASS2415ADA
MASS2475ADA
MASS24110ADA

Accessory Mounting Plates

MP-SF
BB-D

SS2415ADA Strobe



MASS2415ADA Horn/Strobe



Product Overview

Meet ADA and UL1971 requirements for primary signaling devices

Strobes are available in 15, 75, and 110 candela configurations

Offered in combination with MA12/24D horn and V400 speakers

No measurable in-rush current in excess of peak

Horn/strobes provide eight field-selectable tones

Mount to standard back boxes

System Sensor SS24ADA and MASS24ADA Series signaling strobes and horn/strobes comply with the Americans with Disabilities Act (ADA) and the demanding requirements of the Underwriter's Laboratories standard UL1971 for the hearing impaired.

Application Flexibility. The SS24ADA and MASS24ADA series offer a variety of options to meet a broad range of applications. The signaling strobes are available in 15, 75, and 110 candela configurations. The strobes are available in combination with the MA12/24D Multi-Alert horn (MASS series) and V400 speakers (V4R series) for both audible and visible signaling.

Simplified Installation. The SS24ADA and MASS24ADA series can be surface mounted directly to a standard 4" back box or can be mounted to the semi-flush plate, model number MP-SF, for recessed electrical boxes.

Engineering Specifications

Strobe shall be a System Sensor Model _____ listed to Underwriter's Laboratories Standard UL1971 for the Hearing Impaired and shall be approved for Fire Protective Service. Strobe shall be wired as a Primary Signaling Notification appliance. Strobe shall also comply with the Americans with Disabilities Act requirements for visible signaling appliances. Strobe shall operate on 24VDC from a regulated DC supply or full-wave rectified, unfiltered supply. The signaling strobe shall be powered from a non-coded power supply when powered with the horn or powered independently. Strobe shall have no measurable in-rush current in excess of operating peak current. Visual signaling devices are to be installed in all non-sleeping/corridor and sleeping areas per plans and specifications. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. All strobes shall be capable of mounting to a standard 4" x 4" x 1 1/2" back box, in either a surface mount or semi-flush mount with separate mounting plate.



General Specifications

Operating Voltage

24VDC and FWR unfiltered ¹

Operating Temperature Range

32° to 120° F (0° to 49°C)

Input Terminals

12 to 18 AWG

Mounting

Surface 4" x 4" x 1½" or 2¼" back box

Semi-Flush 4" x 4" x 1½" or 2¼" back box
with MP-SF semi-flush mounting plate

SS Series Strobes

Dimensions 4" x 4" x 3"

Weight 5 oz. (141g)

MASS Series Horn/Strobes

Dimensions 4" x 4" 5¼"

Weight 10.4 (293g)

Horn/Strobe Sound Output Selection Guide

Available Sounds	Current (mA) ²		UL Sound Output (dB @ 24V)
	24VDC	24V FWR	
Slow Whoop	38	56	85
800Hz Continuous ³	28	45	85
800-1000Hz Alternating	34	46	85
2400Hz Interrupted	35	56	85
2400Hz Continuous	38	59	85
1200Hz Interrupted	23	33	82
Swept Frequency	34	47	85
Fast Warble	30	47	85

¹ Actual 24V operating voltage cannot be less than 16VDC or greater than 33VDC.

² Current for horn sounder only.

³ MASS series are factory set at 800Hz continuous output.

Ordering Information/Current Draw

Model Number	Description	Voltage	Average Strobe Current @ 24VDC (mA)	Average Strobe Current @24V FWR (mA)	Candela
SS2415ADA	Signaling strobe	24VDC	75	90	15
SS2475ADA	Signaling strobe	24VDC	170	200	75
SS24110ADA	Signaling strobe	24VDC	210	245	110
MASS2415ADA	Horn with signaling strobe	24VDC	*	*	15
MASS2475ADA	Horn with signaling strobe	24VDC	*	*	75
MASS24110ADA	Horn with signaling strobe	24VDC	*	*	110
V4R2415ADA	Speaker with signaling strobe	24VDC	75	90	15
V4R2475ADA	Speaker with signaling strobe	24VDC	170	200	75
V4R24110ADA	Speaker with signaling strobe	24VDC	210	245	110

Accessories	Description
MP-SF	Semi-flush mounting plate
BB-D	Flush mounting deep back box, 2¾" deep

* Total current = strobe current + horn current

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