

## Weather-proof Devices

**AS4029-10** 24V Low Profile Evacuation Horn

**AS4006-10** 24V Low Profile Evacuation Outdoor Strobe

**AS4007-10** 24V Low Profile Evacuation Outdoor Horn/Strobe



### Standard Features

- UL 464, UL 1638 Listed.
- Nominal Voltage 24VDC
- Unit is Shipped with UL1638 listed AS4006 Candela Strobe or AS4007 Candela Horn/Strobe
- Unit Dimensions: AS4008 - 5.75" High x 4.75" Wide x 4.18" Deep
- To Obtain Outdoor Horn, Must Order AS4000 and AS4008 Separately
- Super-Slide™ - Ease of Supervision Testing
- Checkmate™ - Instant Voltage Verification
- Lower Installation and Operating Costs
- Switch Selection for High dBA
- Switch for Mechanical and 2400Hz Tone
- Switch for Continuous Tone
- Tamperproof Re-entrant Grill
- Wide Voltage Range 16-33 VDC or FWR
- Synchronize Strobe and/or Horn by Using
- Avenger Synchronization Control Module Listed for UL1638 when used with the AS4008 enclosure
- AS4008 Made of Clear Lexan - Provides Maximum Visibility and Reliability for effective Visible Signaling - Allowing Full 75cd Output
- Input Terminals 12 to 18 AWG
- Faceplate available in Red or Off-White

### Product Overview

The Outdoor Avenger Series offers dependable visible and/or audible alarms for all outdoor needs.

Included with the Avenger Series is the AS4008 outdoor enclosure. The enclosure is made of high quality Lexan material, providing protection from weather related conditions and allowing the necessary full candela output. This highly constructed enclosure meets various installation requirements including deterring moisture from entering the enclosures.

The Outdoor Series is equipped with the 4" mounting plate which incorporates the Super-Slide™ feature that allows the installer to easily test for supervision. The product also features a locking mechanism which secures the product to the bracket without any screws showing.

The Avenger Series also features the Checkmate™ - Instant Voltage Verification feature which allows the installer to check the voltage without removing the signal.

The Avenger Series strobe has a minimal operation current and has a minimum flash rate of 1Hz and can vary up to 2Hz regardless of input voltage.

The Avenger Series appliances are UL 464 and UL 1638 listed for use with fire protective systems and are warranted for three years from date of purchase.

## Ordering Codes

Part Number	Description	Reverberant dBA @ 10ft. Per UL 464 <sup>1</sup>	In Anechoic Room dBA @ 10ft
AS4029-10	24V Low Profile Evacuation Horn - Red Faceplate	70-82	100
AS4006-10	24V Low Profile Evacuation Outdoor Strobe - Wall Mount, Red Faceplate	N/A	N/A
AS4007-10	24V Low Profile Evacuation Outdoor Horn/ Strobe - Wall Mount, Red Faceplate	70-82	100
AS4008-10	Outdoor Enclosure	N/A	N/A

### Notes:

- Avenger Outdoor Series is listed for outdoor use.
- Indoor Operating Temperature: 32° to 120°F (0° to 49°C).
- Outdoor Operating Temperature: -31° to 150°F (-35° to 66°C).
- For nominal and peak current across UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power, see installation manual.
- Avenger does not recommend using a coded or pulsing signaling circuit with any of our strobe products.

Horn Mode	Minimum dBA @ 10ft. per UL464 (HIGH)	Minimum dBA @ 10ft. per UL464 (LOW)	Regulated 24VDC Max. Operating @ High Setting (mA)
Temp 3 2400Hz	78	71*	28
Temp 3 Mechanical	76	70*	25
Temp 3 Chime	70*	66*	15
Continuous 2400Hz	81	74*	28
Continuous Mechanical	80	72*	25
Continuous Chime	70*	66*	15
Whoop	82	69*	56

\*Operating the horn in this mode at this voltage will result in not meeting the minimum UL reverberant sound level required for public mode fire protection service. These settings are acceptable only for private mode fire alarm use. Use the high dBA setting for public mode application (not applicable when using the chime tone. The chime tone is always private mode).

### Notes:

- The sound output for the temporal 3 tone is rated lower since the time the horn is off is averaged into the sound output rating. While the horn is producing a tone in the temporal 3 mode its sound pressure is the same as the continuous mode.
- To obtain the horn/strobe current draw, add the strobe current draw and the horn current draw.

## Outdoor Product Strobe Current Ratings

Candela	75cd
24 VDC	112mA
UL Max <sup>1</sup>	180mA

<sup>1</sup> RMS current ratings are per UL average RMS method. UL max current rating is the maximum RMS current within the listed voltage range 16-33VDC for 24VDC units. For strobes the UL max current is usually at the minimum listed voltage 16VDC for 24VDC units. For audibles the max current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.