



# AS4000-X0 / AS4001-X0 / AS4002-X0

## WALL MOUNT EVACUATION HORN, STROBE, HORN/STROBE



### Standard Features

- UL 464 and UL 1971 Listed
- Nominal voltage 24VDC
- Units have field selectable candela options of 15, 30, 60, 75, and 110 candela
- Super-Slide™ Bracket - Ease of Supervision Testing
- Checkmate™ - Instant Voltage Verification
- Unit Dimensions: 5" high x 4.5" wide x 2.5" deep
- Synchronize strobe and/or horn with Avenger Series Control Module
- Lower installation and operating costs
- Input terminals 12 to 18 AWG
- Switch selection for high or low dBA
- Switch for chime, whoop, mechanical and 2400Hz tone
- Tamperproof re-entrant grill
- Switch for continuous or temporal 3 (not available on whoop tone)
- Surface mount with the AS4005 (Avenger Surface Mount Box)
- Silence horn while strobes remain flashing
- Wide voltage ranges 16-33VDC or FWR

### Product Overview

The Avenger System Signal Series is a low profile strobe and horn/strobe combination that offers dependable audible and visual alarms and the lowest current available.

The Avenger System Series 24VDC offers tamperproof field selectable candela options of 15, 30, 60, 75, and 110 candelas.

The Avenger System Series horn offers a continuous or synch able temporal three in 2400Hz and mechanical tone, a chime and whoop tone. All tones are easy for the professional to change in the field by using switches.

The Avenger System Series has a minimal operation current and has a minimum flash rate of 1Hz regardless of input voltage.

The Avenger System Series is shipped with the standard 4" metal mounting plate which incorporates the popular 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 appliance also features the Checkmate™ - Instant Voltage Verification feature which allows the installer to check the voltage drop draw and match it to the blueprint.

The Avenger System Series appliances are UL 464 and UL 1971, listed for use with fire protective systems and are warranted for three years from date of purchase.

### Ordering Codes

<b>AS4000-10</b>	Wall Mount Low Profile Evacuation Horn Red Faceplate
<b>AS4000-30</b>	Wall Mount Low Profile Evacuation Horn White Faceplate
<b>AS4001-10</b>	Wall Mount Low Profile Evacuation Strobe Red Faceplate
<b>AS4001-30</b>	Wall Mount Low Profile Evacuation Strobe White Faceplate
<b>AS4002-10</b>	Wall Mount Low Profile Evacuation Horn/Strobe Red Faceplate
<b>AS4002-30</b>	Wall Mount Low Profile Evacuation Horn/Strobe White Faceplate
<b>AS4005-10</b>	Indoor Surface Mount Backbox - Red
<b>AS4005-30</b>	Indoor Surface Mount Backbox - White
<b>AS4008-10</b>	Outdoor Surface Mount Backbox - Red
<b>AS4008-30</b>	Outdoor Surface Mount Backbox - White

Part #	Description	Reverberant dBA @ 10ft.	Anechoic Room dBA @ 10ft.	Candela Output (cd)
AS4000-X0	Wall Mount Low Profile Evacuation Horn	62-82 dBA	100 dbA	N/A
AS4001-X0	Wall Mount Low Profile Evacuation Strobe	N/A	N/A	15, 30, 60, 75, 110
AS4002-X0	Wall Mount Low Profile Evacuation Horn/Strobe	62-82 dBA	100 dbA	15, 30, 60, 75, 110

## Horn Specifications

Horn Mode	Minimum dbA @ 10ft. Per UL464 (High Setting)	Minimum dbA @ 10ft. Per UL464 (Low Setting)	Max. Current Draw @ 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).

## Strobe Current Rating

Candela	15cd	30cd	60cd	75cd	110cd
24VDC	30mA	42mA	66mA	80mA	103mA
UL Max <sup>1</sup>	42mA	58mA	97mA	116mA	161mA

1: 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 audible the max current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

### Notes:

- To obtain the horn/strobe current draw, add the strobe current draw and the horn current draw.
- Operating temperature: 32°to 120°F (0° to 49° C). The Avenger AS4000, AS4001 and AS4002 are not listed for outdoor use.
- 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 modes its sound pressure is the same as the continuous mode.
- 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 Systems does not recommend using a coded or pulsing signaling circuit with any Avenger strobes products.

