

# Ceiling Mount Horn, Horn / Strobes

VF4003-X0 (24V Strobe) and VF4004-X0 (24V Horn/ Strobe)



## Standard Features

- FM Approved, UL 464, UL 1971 Listed
- Nominal Voltage 24 VDC
- Tamperproof Field Selectable Candela options of 15, 30, 75, 95, 115, and 150
- Super-Slide™ Bracket - Ease of Supervision Testing
- Checkmate™ - Instant Voltage Verification
- Unit Dimensions: 6" x 2.6"
- Synchronize VF4003 Series by using VES Series Control Module
- Prewire Entire System, then Install Your Signals
- Input Terminals 12 to 18 AWG
- Switch Selection for High or Low dBA
- Switch Selection for 2400Hz or Mechanical Tone
- Switch Selection for Continuous or Temporal 3
- Tamperproof Re-entrant Grill
- Surface Mount with the Ceiling Surface Mount Box
- Silence Horn While Strobes Remain Flashing
- Wide Voltage Range 16-33 VDC or FWR
- Faceplate available in Red or Off-White
- Wide voltage range 16-33VDC or FWR

## Product Overview

The VF4003/VF4004 Series is a ceiling mount strobe or horn/strobe combination that offers dependable audible and visual alarms and the lowest current available. The VF4003/VF4004 offers tamperproof field selectable candela options of 15, 30, 75, 95, 115 and 150 candela. The VF4004 horn offers a continuous or sync-able temporal three in 2400Hz or mechanical tone. These tones are easy for the professional to change in the field by using switches. The models are shipped from the factory in the temporal three alarm mode.

The VES Series has a minimal operating current and has a minimum flash rate of 1Hz regardless of input voltage. This Series comes standard with the 4" mounting plate which incorporates the popular Super-Slide™ feature that allows the installer to easily test for supervision. The VF4003/VF4004 Series also features the Checkmate™ - Instant Voltage Verification feature which allows the installer to check the voltage without removing the signal.

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



## VF4003 Ordering Codes

Part No.	Description
VF4003-10	24V Ceiling Mount Selectable Strobe - Red Faceplate
VF4003-30	24V Ceiling Mount Selectable Strobe - Off-White Faceplate

## VF4004 Ordering Codes

Part No.	Description	Reverberant dBA @ 10ft. Per UL 464 <sup>1</sup>	In Anechoic Room dBA @ 10ft.
VF4004-10	24V Ceiling Mount Selectable Horn/ Strobe - Red Faceplate	81-86	90
VF4004-30	24V Ceiling Mount Selectable Horn/ Strobe - Off-White Faceplate	81-86	90

**NOTES** The VES Series is not listed for outdoor use. Operating temperature: 32°to 120°F (0° to 49° C)  
For nominal and peak current across UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power.

VES does not recommend using a coded or pulsing signaling circuit with any of our strobe products.

## VF4003 / VF4004 Product Strobe Current Ratings

Candela	15cd	30cd	75cd	95cd	115cd	150cd
24 VDC	72 mA	101 mA	167 mA	200 mA	214 mA	286 mA
UL Max <sup>2</sup>	120 mA	130 mA	247 mA	318 mA	360 mA	454 mA

Horn Mode	Minimum dBA @ 10ft. per UL464 (HIGH)	Reverberant dBA @ 10ft per UL464 (LOW)	Regulated 24VDC Max. Operating @ High Setting (mA)
Temp 3 2400Hz	83	75	23
Temp 3 Mechanical	81	73 <sup>*</sup>	22
Continuous 2400Hz	86	78	23
Continuous Mechanical	84	76	22

\*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.

**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.

<sup>1</sup>The listed horn current draws are for the Continuous Tone mode. The Temporal 3 Tone has a reverberant dBA @ 10ft. per UL 464 is 77-83 with a horn current draw of 34mA.

<sup>2</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.