



Electronic Horns and Horn/Strobes



New louder horn and temporal features meet code requirements for supervised fire alarm systems

The Americans with Disabilities Act (ADA) guarantees equal access for people with disabilities. This means you have a legal obligation to alert everyone in your building to potential fire danger—including people with hearing loss.

Silent Knight electronic strobes and horn/strobes comply with the requirements of the ADA and help alert the hearing impaired with a loud, electronic horn and a bright, supervised strobe. Each unit is fully compatible with Silent Knight fire systems, ensuring that quality is maintained throughout your system.

These products feature leading-edge technology and are an excellent value. Available from Silent Knight, the industry leader in the design and manufacture of quality fire systems. For more information on our electronic horns and horn/strobes, please call 1-800-446-6444, or in Minnesota, call (612) 493-6435.

Electronic Horns and Horn/Strobes

Silent Knight's 4" low frequency electronic horn and horn/strobe models meet code requirements for ADA and for supervised fire alarm systems for the hearing impaired.

The models are quality electronic signaling appliances that offer both dependable evacuation signals and visual alarms. You can easily create a combination of visual and audible signals by simple terminal wiring.

Horn/strobe models can be wired for separate operation of horn and strobe by removing two jumper plugs. The models are field-changeable from temporal 3 (ANSI) to a continuous tone by removing a jumper plug.

Features

- Loud, low frequency output
- Quick and easy installation!
- 24 VDC operation
- Low current consumption
- Separate horn and strobe capabilities
- Temporal 3 (ANSI) or continuous tone
- Optional control module provides synchronization and ability to silence horn using only two power wires



- Available in red or off-white
- Wall mount only
- UL 464, 1971, and 1638 Listed
- Models with rating of 15/75 cd and higher meet or exceed requirements for ADA 4.28.3

Specifications

Per model details on reverse side.

Input terminals:	18-12 AWG
Candela rating:	15-110 cd (depending on model)
Current draw:	
Strobe:	78-220 mA (per candela rating)
Horn:	30 mA
Dimensions:	4.8" x 4.8" x 1.5" (HxWxD)
Color:	Red or off-white

Operating voltage: 24 VDC

Operating temperature: 32° to 120°F
(0° to 49°C)

Decibel rating: 92 dB at 10 feet
(anechoic room)
85 dB at 10 feet
(UL reverberant room)

Mounting: Double gang, or 4" square box; 1.5" deep minimum



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Electronic Horns and Strobe/Horns



Engineering Specifications

The visible and audible/visible signal shall be Silent Knight model HG or SHG or approved equal and shall be listed by Underwriters Laboratories Inc. per UL 464, and when combined with the strobe option, the strobe shall also be listed per UL 1971. The notification application shall also be listed with the California State Fire Marshal (CFSM) and the Bureau of Standards and Appeals (NYC). The notification appliance shall produce a peak sound output of 100 dBA or greater as measured in an anechoic chamber. The maximum current consumption at 24 VDC for the audible only shall not exceed 30 mA. The visual signal shall have a flash rate of 1Hz regardless of input voltage. The notification appliance shall be provided with screw terminals for in and out field wiring and the strobe shall be capable of operating independently after the audible has been silenced. The notification appliance shall be capable of mounting to a 4" square back box and a 2-gang switch box of a minimum of 1.5" in depth.

Available Models

Description	Model	Candela Rating	Decibel Rating	Current	Listing
12/24 VDC Horn	HG124	—	100 dBA	30 mA	UL 464
24 VDC Strobe/horns	SHG24-15	15 cd	100 dBA	Strobe: 78 mA Horn: 30 mA	UL 1971
	SHG24-15/75-W	15 or 75 cd	100 dBA	Strobe: 93 mA Horn: 30 mA	UL 1971 (15) UL 1638 (75)
	SHG24-15/75-C	15 or 75 cd	100 dBA	Strobe: 115 mA Horn: 30 mA	UL 1971 (15) UL 1638 (75)
	SHG24-15/75-Z	15 or 75 cd	100 dBA	Strobe: 130 mA Horn: 30 mA	UL 1971 (15) UL 1638 (75)
	SHG24-30	30 cd	100 dBA	Strobe: 93 mA Horn: 30 mA	UL 1971
	SHG24-30/75	30 or 75 cd	100 dBA	Strobe: 142 mA Horn: 30 mA	UL 1971 (30) UL 1638 (75)
	SHG24-60	60 cd	100 dBA	Strobe: 115 mA Horn: 30 mA	UL 1971
	SHG24-110	110 cd	100 dBA	Strobe: 220 mA Horn: 30 mA	UL 1638

Specify the following when placing an order:

Mounting style: "W" for wall mount or "C" for ceiling mount (ceiling mount available for 15/75 and 30/75 models only).

Faceplate color: "R" for red or "W" for off-white.

Synchronization: "Z" for synchronized strobe (available for 15/75 wall models only).

Lettering: "P" for plain (no lettering).



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MADE IN AMERICA

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