



SKE-300 Series Pre-Engineered Voice Evacuation Systems



Voice Evacuation Systems clear crowded areas in an emergency

Depending on your state and local fire codes, "areas of assembly," such as movie theaters, restaurants and churches may be required to provide voice evacuation systems. These systems can deliver an alert tone and may provide instructions for orderly exit in the event of an emergency through repeating voice messages.

Silent Knight's SKE-300 Series Pre-Engineered Voice Evacuation Systems give you the flexibility to configure a cost-effective system exactly to your needs. A full range of alarm options are available, including a microphone for live voice paging. All SKE-300 Series Systems are available for new or retrofit installations using existing wiring and enclosures.

Go with the leader in reliable, cost-effective voice evacuation systems. Call Silent Knight for a factory pre-engineered Voice Evacuation System that fits your specifications exactly: 1-800-446-6444, or in Minnesota, (612) 493-6435.

SKE-300 Series Pre-Engineered Voice Evacuation Systems

Occupancies defined in NFPA 101, the Life Safety Code, as "areas of assembly," such as restaurants, churches, school gymnasiums, auditoriums and movie theaters may now be required to provide voice evacuation systems when as few as 50 people are present, depending on state and local codes. Silent Knight voice evacuation systems provide tones and voice instructions for organized evacuation of such areas of assembly. Additionally, many of the systems can be used for hazard warning and multi-purpose paging systems when not in use for emergencies.

Features

- UL Listed, complies with NFPA 72 and 101.
- Simple 6-wire connection to Silent Knight fire controls and other systems.
- 20- and 40-watt models.
- Up to 40 half-watt speakers per 20-watt module.
- Up to 80 half-watt speakers per 40-watt module.

- Optional 6 amp power supply (Silent Knight Model 5395).
- Speaker circuits fully supervised. Short circuit and overload protected.
- Battery backup from fire alarm control.
- Battery saver circuit reduces current draw during AC failure conditions.
- Penetrating slow-whoop alarm signal.
- Crystal-clear, high intelligibility voice override.
- Microphone can be used with or without alarm condition.
- Digital message repeater uses voice band filtering to assure announcements will be heard—even in high noise areas.
- Low-voltage speaker line. Run up to 3,000 feet with 18 gauge wire.
- Updates fire alarm systems to comply with latest safety codes.
- Designed for new or retrofit installations using existing wiring and enclosures.
- All systems pre-engineered at factory.



Operation

Alarm activation of host fire control results in broadcast of the "slow whoop" evacuation alert signal over system speakers. The Digital Message Repeater, when installed, activates and repeats to instruct occupants to evacuate the building. Activation of the microphone causes live voice paging to override and reset the recording.



**SILENT
KNIGHT**

SKE-300 Series Pre-Engineered Voice Evacuation System



Specifications

Power Output:

SKE-360 - 20 Watts/25 VRMS
SKE-380 - 40 Watts/25 VRMS
SKE-367 - 20 Watts/70 VRMS
SKE-387 - 40 Watts/70 VRMS

Microphone:

Low-impedance dynamic with push-to-talk switch.

Supervision:

Amplifier, tone generator, power supply, output transformer, and speaker lines continuously supervised.

Power Input:

24-40 VDC, unfiltered, full wave rectified from fire panel.

Current Requirements:

SKE-360—
1.2 amps max. in alarm condition*
170mA in normal standby
6mA in battery saver standby

SKE-380—

3.0 amps max., in alarm condition*
2000mA in normal standby
20mA in battery saver standby

*Note: If current requirements exceed host panel auxiliary power capacity, an additional separate power supply such as SK Model 5395 must be used.

Alarm Activation:

Alarm will sound when bell circuit activates. Auxiliary terminals supplied for manual zone activation.

Alarm Tone: Slow whoop

Frequency Response: 400-4000 Hz

Protection:

Overload, polarity reverse, open/short circuit. Automatic current limiting.

Message:

Attention please...Attention please. The signal you have just heard indicates the report of an emergency in this building. Walk to the nearest exit and leave the building. Walk to the nearest exit and leave the building. All handicapped occupants shall follow the building evacuation plan."

*Optional messages available. Consult factory.

Mechanical:

Red painted steel cabinet for surface or semi-flush mounting.

Dimensions:

28 in. H x 15-3/4 in. W x 4-3/4 in. D

For semi-flush mount: Opening cutout
26-5/8 in. H x 14-3/8 in. W

OPTIONAL ACCESSORIES

SKE-562-2 Remote Paging Microphone

Operates as a remote paging microphone with SKE-300 series controls. Can be used for day-to-day paging and is automatically disabled during alarm condition.

SKE-386 Supervised Zone Splitter

Provides four independently supervised speaker loops from a single SKE-300 series control.

SKE-330 Zone Control Switch/LED Panel

Used in conjunction with SKE-360/SKE-380 controls or with the SKE-386 Supervised Zone Splitter to provide zone selection for manual paging. May be used in parallel with automatic zone selection from the fire control panel.

SKE-586-I Distributed Audio Interface

Provides a supervised method of distributing single or multi-channel audio from a central audio source to remotely located panels.

Life Safety/Emergency Speakers for Use with Voice Evacuation Systems

Emergency signaling and communication systems use speakers designed for constant voltage speaker lines. Constant voltage speakers are equipped with transformers that have adjustable tap connections to set power input requirements (tap settings). Speakers are rated by the sound power, dBA, at a specific distance for a given power input. See Ordering Information for specific speakers available.

ORDERING INFORMATION

Note: 25 VRMS is standard for Silent Knight voice evacuation systems. The use of 70 VRMS systems provides the capability of longer wire runs, but requires wiring to be installed in conduit.

SKE-360-M1

Pre-engineered modular tone and amplifier paging system with 20-watt amplifier and microphone. 25 VRMS. (For 70 VRMS system, order SKE-387-M1.)

SKE-380-M1

Pre-engineered modular tone and amplifier paging system with 40-watt amplifier and microphone. 25 VRMS. (For 70 VRMS system, order SKE-387-M1.)

SKE-360-M2

Pre-engineered modular tone and amplifier paging system with two 20-watt amplifiers and microphone. 25 VRMS. (For 70 VRMS system, order SKE-367-M2.)

SKE-380-M2

Pre-engineered modular tone and amplifier paging system with two 40-watt amplifiers and microphone. 25 VRMS. (For 70 VRMS system, order SKE-387-M2.)

SKE-360-M3

Pre-engineered modular tone and amplifier paging system with three 20-watt amplifiers and microphone. 25 VRMS. (For 70 VRMS system, order SKE-387-M2.)

SKE-300 Series Pre-Engineered Voice Evacuation Systems



VOICE EVACUATION PRODUCTS ORDERING INFORMATION

SKE-380-M3

Pre-engineered modular tone and amplifier paging system with three 40-watt amplifiers and microphone. 25 VRMS. (For 70 VRMS system, order SKE-387-M3.)

SKE-360-M1-DMR

Pre-engineered voice evacuation system with 20-watt amplifier, microphone and digital message repeater. 25 VRMS. (For 70 VRMS system, order SKE-367-M1-DMR.)

SKE-380-M1-DMR

Pre-engineered voice evacuation system with 40-watt amplifier, microphone and digital message repeater. 25 VRMS. (For 70 VRMS system, order SKE-387-M1-DMR.)

SKE-360-M2-DMR

Pre-engineered voice evacuation system with two 20-watt amplifiers, microphone and digital message repeater. 25 VRMS. (For 70 VRMS system, order SKE-367-M2-DMR.)

SKE-380-M2-DMR

Pre-engineered voice evacuation system with two 40-watt amplifiers, microphone and digital message repeater. 25 VRMS. (For 70 VRMS system, order SKE-387-M2-DMR.)

SKE-360-M1-DMR/386-4ZS

Pre-engineered voice evacuation system with two microphones, 20-watt amplifier, digital message repeater, and supervised 4 zone splitter module. 25 VRMS. (For 70 VRMS system, order SKE-367-M1-DMR/386-4ZA.)

SKE-380-M1-DMR/386-4ZS

Pre-engineered voice evacuation system with two microphones, 40-watt amplifier, digital message repeater, and supervised 4 zone splitter module. 25 VRMS. (For 70 VRMS system, order SKE-387-M1-DMR/386-4ZA.)

SKE-562-2

Remote microphone module.

SKE-330

Zone control switch/LED module.

SKE-586-1

Distributed audio interface module.

SKE-585-P/T/M

Interface module for music, telephone, or paging systems.

SKE-BK

Amplifier backup module.

SKE-571-A/B/W

Auxiliary tone generator for multi-purpose tones.

SPEAKERS & SPEAKER/STROBES

Note: All speakers and strobe speakers have field-adjustable power taps from 1/8 to 4 watts for both 25 or 70.7 VRMS systems.

SPKE4 Series

4" square, red or off-white speaker. Available with strobes in light intensity of 15, 15/75, 30, 30/75, 60, 100 candela. Speaker operates at 25 or 70.7 VRMS. Strobe operates at 24 VDC. All models available in wall mount; some models available in ceiling mount.

SPKE8 Series

8" round, red or off-white speaker. Available with strobes in light intensity of 15, 15/75, 30, 30/75, 60, 100 candela. Speaker operates at 25 or 70.7 VRMS. Strobe operates at 24 VDC. All models available in wall mount; some models available in ceiling mount.

HORNS & HORN/STROBES

HS24 Series

4" square, red or off-white strobe horn available with strobes in light intensity of 15, 15/75, 30, 60, 75, or 110 candela at 24 VDC.

ST24 Series

4" square, red or off-white strobe available in light intensity of 15, 15/75, 30, 60, 75, or 110 candela at 24 VDC.

ELECTRONIC HORNS & STROBE/HORNS

HG Series

4" square, red or off-white low current electronic horn. Draws 30mA at 24 VDC.

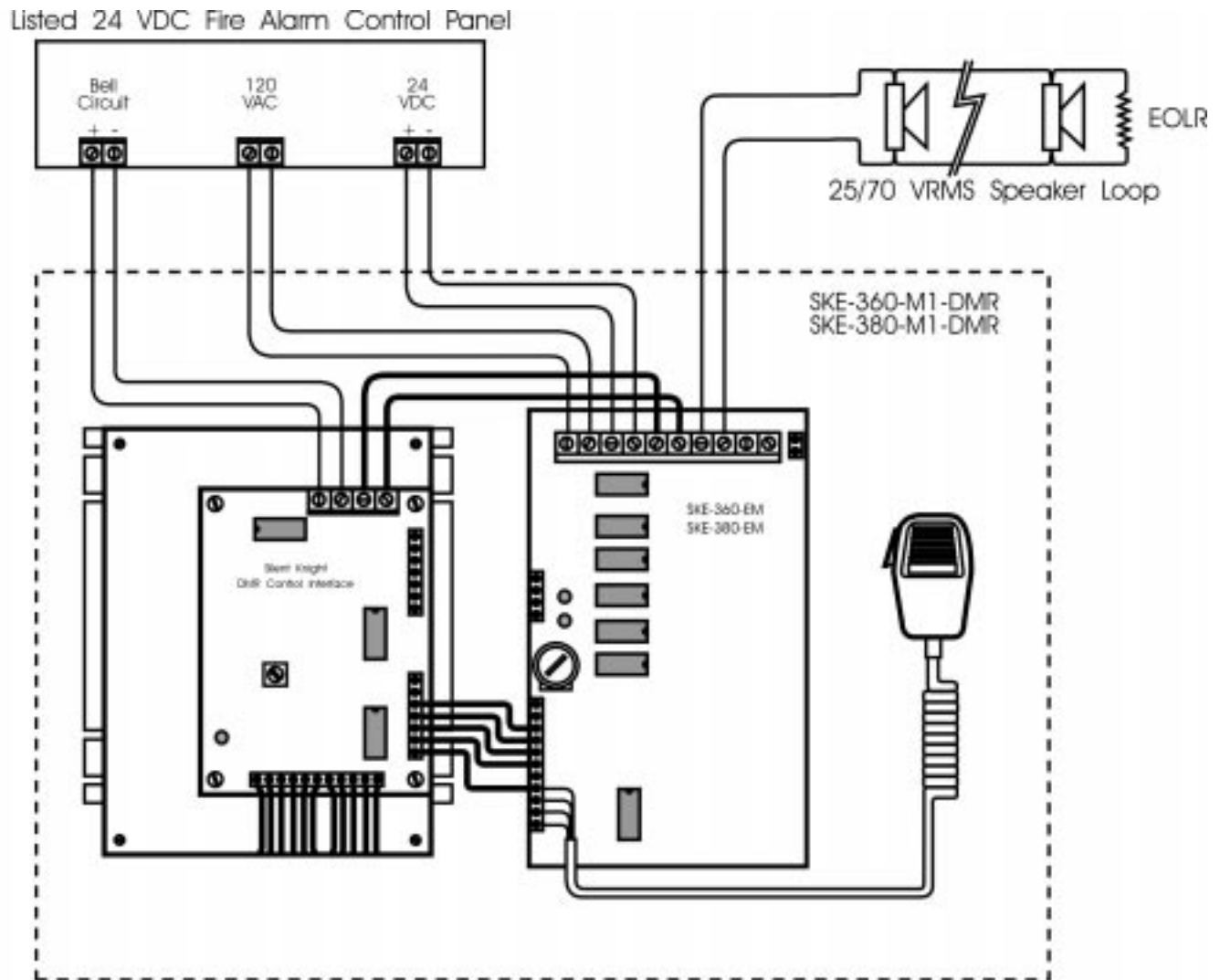
SHG Series

4" square, red or off-white low current electronic strobe/horn available in light intensity of 15, 15/75, 30, 60, 75, or 110 candela at 24 VDC.

SKE-300 Series Pre-Engineered Voice Evacuation Systems



TYPICAL BLOCK DIAGRAM - VOICE EVACUATION SYSTEM



SILENT KNIGHT

7550 Meridian Circle, Maple Grove, MN 55369-4927

800-446-6444 or in Minnesota 612-493-6435

FAX: 612-493-6475

World Wide Web: <http://www.silentknight.com>

MADE IN AMERICA

FORM# 350793, Rev. 9/98

Copyright © 1998 Silent Knight