SSPK Speakers and Speaker Strobes

www.boschsecurity.com

BOSCH
Invented for life

- Flush wall mounting to a standard 4-inch square by 2.125 in. deep back box
- High dB output
- Frequency range of 400 Hz to 4000 Hz
- Screw terminals; separate In and Out wiring 18 AWG (1.2 mm) to 12 AWG (2.3 mm)
- Field-selectable power taps: 1/8 W, 1/4 W, 1/2 W, 1 W, 2 W, 4 W

The SSPK Speakers and SSPK24 Speaker Strobes are designed to meet code requirements for audio, visual, and voice communications. This series provides quality speaker products that offer both dependable evacuation signaling and visual alarms, or a combination of both. They provide a 25 VRMS or 70.7 VRMS speaker with field-selectable power taps of 1/8 W, 1/4 W, 1/2 W, 1 W, 2 W, or 4 W.
Strobes can be synchronized by using the AVS-44 Synchronization Module. The strobe may be rotated up to 270° on the face of the speaker so the portion of the speaker in the back box may be relocated to accommodate conduit and incoming wire.

Certifications and approvals

Gentex Corporation holds these Listings and Approvals.

Region	Certification	
USA	UL	UUKC_S5405 - Signaling Appliances and Equipment for the Hearing Impaired (SSPK24 models)
	UL	UUMW_S5182 - Speakers and Amplifiers for Fire Protective Signaling Systems (SSPK24 models)
	UL	UVAV_S3834 - Visual Signaling Appliances for Fire Protective Signaling Systems (SSPK24 models)

Installation/configuration notes

Mounting Considerations
The units mount on a standard 4-inch square by 2.125-inch deep box.

Shipping Information
The units are shipped 12 units to a carton. Each carton of speakers weighs 20 lb. (9 kg) and each carton of speakers with strobes weighs 24 lbs. (10.9 kg).

Wiring

Notice
Do not use these strobe units in coded or pulsed signaling circuits.

Wire Diameter:

The input terminals accept wires with diameters between 18 AWG and 12 AWG (ISO 0.75 mm^2 and 4 mm^2).

Notice
Do not use looped wire under terminals. Break wire run to provide supervision of connection.

Wire Conductivity:
The wire conductivity is related to the wire diameter as follows:

- 18 AWG (ISO 0.75 mm^2) = 60
- 16 AWG (ISO 1.5 mm^2) = 95
- 14 AWG (ISO 2.5 mm^2) = 153
- 12 AWG (ISO 4 mm^2) = 244

Maximum Wire Length:
The following formula may be used to calculate the maximum wire distance in feet when the system is using a regulated power supply and power is supplied to the devices when the control panel is latched:

$$\text{Maximum Wire Length (ft.)} = \frac{\text{Panel Voltage} \times \text{Device Minimum Voltage}}{\text{Total Current Draw}} \times \text{Wire Conductivity}$$

Parts included

Quant.	Component
1	Speaker or Speaker Strobe
1	Hardware pack
1	Literature pack

Technical specifications

Electrical (Strobe Only)

15 cd:	78 mARMS, 113 mA FWR
15/75 cd:	180 mA RMS, 245 mA FWR
30 cd:	96 mA RMS, 135 mA FWR
60 cd:	137 mA RMS, 186 mA FWR
75 cd:	180 mA RMS, 245 mA FWR
110 cd:	224 mA RMS, 313 mA FWR

Environmental

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

Mechanical

Dimensions (D total):	4.5 in. (11.5 cm)
Dimensions (D from wall):	2.5 in. (6.5 cm)
Dimensions (HxW):	5.1 in. x 5.1 in. (13.0 cm x 13.0 cm)

Speaker dBA [UL typical dB at 3 m (10 ft)]

1/8 W:	75 dB
¼ W:	78 dB
½ W:	81 dB
1 W:	84 dB
2 W:	87 dB
4 W:	90 dB

Ordering information

SSPKWR Speaker (red)
Red, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS) and field-selectable taps from 1/8 W to 4 W.
Not Available.
Order number **SSPKWR**

SSPKWW Speaker (off-white)
Off-white, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS) and field-selectable taps from 1/8 W to 4 W.
Not Available.
Order number **SSPKWW**

SSPK24-15WR 15 cd Speaker Strobe (red)
Red, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 15 cd strobe.
Not Available.
Order number **SSPK24-15WR**

SSPK24-15WW 15 cd Speaker Strobe (off-white)
Off-white, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 15 cd strobe
Not Available.
Order number **SSPK24-15WW**

SSPK24-30WR 30 cd Speaker Strobe (red)
Red, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 30 cd strobe.
Not Available.
Order number **SSPK24-30WR**

SSPK24-30WW 30 cd Speaker Strobe (off-white)
Off-white, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 30 cd strobe.
Not Available.
Order number **SSPK24-30WW**

SSPK24-60WR 60 cd Speaker Strobe (red)
Red, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 60 cd strobe.
Not Available.
Order number **SSPK24-60WR**

SSPK24-60WW 60 cd Speaker Strobe (off-white)
Off-white, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 60 cd strobe.
Not Available.
Order number **SSPK24-60WW**

SSPK24-75WR 75 cd Speaker Strobe (red)
Red, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 75 cd strobe.
Not Available.
Order number **SSPK24-75WR**

SSPK24-75WW 75 cd Speaker Strobe (off-white)
Off-white, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 75 cd strobe.
Not Available.
Order number **SSPK24-75WW**

SSPK24-110WR 110 cd Speaker Strobe (red)
Red, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 110 cd strobe.
Not Available.
Order number **SSPK24-110WR**

SSPK24-110WW 110 cd Speaker Strobe (off-white)
Off-white, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 110 cd strobe.
Not Available.
Order number **SSPK24-110WW**

SSPK24-1575WR Selectable-candela Speaker Strobe (red)
Red, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 15/75 cd strobe.
Not Available.
Order number **SSPK24-1575WR**

SSPK24-1575WW Selectable-candela Speaker Strobe (off-white)
Off-white, 24 VDC device with dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 4 W, and 15/75 cd strobe.
Not Available.
Order number **SSPK24-1575WW**

Accessories

AVS-44 Synchronization Control Module (red)
Order number **AVS-44**

AVS44-W Synchronization Control Module (white)
Order number **AVS44-W**

AVSM-R Synchronization Control Module (red)
Synchronization module for use with all Gentex synchronizable notification appliances except the HS24 Series and the ST24 Series.
Not Available.
Order number **AVSM-R**

AVSM-W Synchronization Control Module (white)
Synchronization module for use with all Gentex synchronizable notification appliances except the HS24 Series and the ST24 Series.
Not Available.
Order number **AVSM-W**

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