

Honeywell



EVS-100W

Intelligent 50/100 Watt Amplifier with optional backup Amplifier

The EVS-100W is an intelligent 50/100 watt amplifier for use with Version 14.0 or newer 5820XL-EVS or the 6820EVS. The EVS-100W is used to amplify audio message for distribution throughout a facility. The EVS-100W is capable of producing up to 100 watts of audio power and has the ability to provide an option for 50 watts of backup power.

Description

The EVS-100W has its own power supply with battery backup and eight speaker circuits. The EVS-100W is fully supervised by the main panel for trouble conditions

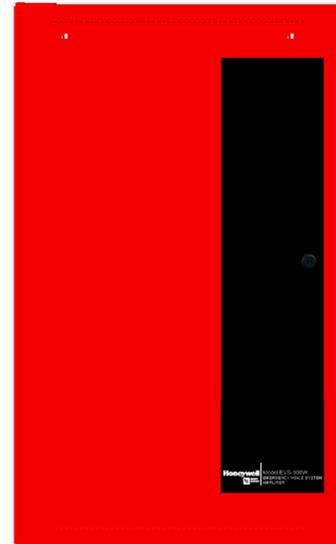
Amplifier Configurations:

- 50 watts with 50 watts as backup.
- 100 watt single channel.
- 100 watt single channel with 50 watts backup using EVS-100WBU

COMPATIBILITY

The EVS-100W is compatible with the following Honeywell Silent Knight Series FACPs:

- 6820EVS: Addressable fire alarm control panel with an emergency voice system, up to 1,110 addressable points, and four programmable buttons that can be programmed for routine or complex tasks
- 5820XL-EVS: Addressable fire alarm control panel with an emergency voice systems and up to 792 addressable points



EVS-100W

FEATURES & BENEFITS

- Built in backup amplifier test feature allows you to physically test that the backup amplifier is operating properly
- Up to four amplifiers per 5820XL-EVS or 6820EVS distributed between up to 32 audio circuits
- Amplifier Bandwidth 400 Hz to 4000 Hz
- Six-wire connection to EVS system: Two-wires for the voice bus and four-wires for the SBUS connections
- Can be mounted up to 6000 feet away from 5820XL-EVS or 6820EVS control panel
- UL 864 and UL 2572
- UL listed for Continuous or ANSI 520Hz speaker tones that meet NFPA 72 Low Frequency Signal Requirements for Sleeping Areas. See the FACP manual for a list of compatible speakers
- 120 VAC or 240 VAC operation

EVS-100W Technical Specifications

PHYSICAL

Flush Mount Dimensions: 14.5"W x 24.75"H x 3.4"D (36.8 W x 62.9 H x 8.7 D cm)

Overall Dimensions: 16.1"W x 26.5"H x 4.1"D (40.6 W x 66.7 H x 10.5 D cm)

Color: Red.

ENVIRONMENTAL

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

Humidity: 10% – 93% non-condensing

ELECTRICAL

Primary AC: 120VAC @ 60Hz; 240VAC @ 50Hz

Standby Current: EVS-100W 25V 110mA; EVS-100W 70.7V 110mA

Alarm Current: EVS-100W 25V, 1.2 A; EVS-100W 70.7V, 1.4 A

Total Power: 100 W @ 25 VRMS or 70.7 VRMS

- Circuit 1-4: 50 W max.
- Circuit 5-8: 50 W max.

Main EVS Panel SBUS Standby & Alarm: 10mA

Battery Charging Capacity: 7-35AH

Battery Size: 18AH max allowed in cabinet. Use RBB accessory cabinet for larger batteries up to 35 AH per system.

Voice Integration Wiring:

- Six conductor
- Two voice bus
- Four SBUS

ORDERING INFORMATION

EVS-100W: Intelligent 50/100 Watt Amplifier

ACCESSORIES

EVS-100WBU: External Backup Amplifier

RBB: Remote Battery Box Accessory Cabinet. Use for backup batteries up to 35AH

AGENCY LISTINGS AND APPROVALS

UL 864 and UL 2572

Meets the requirements for NFPA 72 Local Protective Signaling Systems & Emergency Communication Systems.

CSFM: 7165-0559:0500

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, Please call 800-446-6444.

For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

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