

EVS-50W

Intelligent 50 Watt Amplifier

The EVS-50W is an amplifier compatible with the Silent Knight Emergency Communication System. The EVS-50W is used to amplify audio messages for distribution throughout entire facilities.

Since the EVS-50W is designed as a self-contained distributed amplifier, it can be conveniently located near the area of protection to reduce wiring demands.

Each EVS-50W is capable of producing 50-watts of audio power. Up to four EVS-50W amplifiers can be used on the Emergency Voice System.

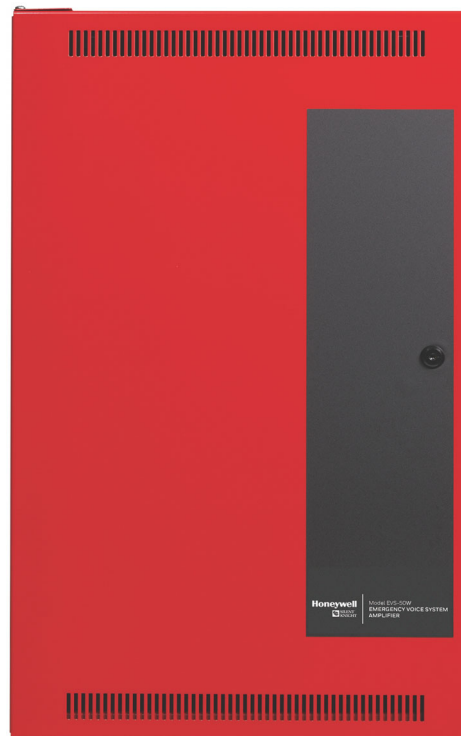
The EVS-50W has its own power supply with battery backup and four speaker circuits which can be expanded to eight speaker circuits using the optional EVS-CE4. The EVS-50W is fully supervised by the main panel to identify the trouble conditions.

INSTALLATION

The user-friendly installation does not require special programming or a separate dialer capture module. The EVS-50W can be surface- or flush-mounted.

COMPATIBILITY

The EVS-50W is compatible with the 6820EVS FACP Emergency Voice System.



FEATURES AND BENEFITS

- Complies with UL 864 10th Edition and UL 2572 2nd Edition Standards
- Meets NFPA 72 code compliant for sole, primary, or backup communications
- Provides SBUS addressable, up to four EVS-50W amplifiers per system for a total of 500 watts
- Each EVS-50W amplifier is supervised and has four onboard audio circuits expandable to eight with the EVS-CE4 expander for a system total of 32 audio circuits
- Uses an easy-to-install wire harness to connect the EVS-CE4 audio circuit expander
- Extends remote installations up to 6,000 feet away from the EVS-Series panel
- Includes its own power supply and backup battery
- Selectable for 25V or 70.7V operation
- Provides six-wire connection to the EVS System:
 - Two-wires for the voice bus connections
 - Four-wires for the SBUS connections
- Available in a red cabinet can be surface- or flush-mounted

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EVS-50W TECHNICAL SPECIFICATIONS

PHYSICAL

Flush Mount Dimensions:
14.05"W x 24.75"H x 3.04"D
(36.08 W x 62.09 H x 8.07 D cm)

Overall Dimensions:
16.0"W x 26.25"H x 4.01"D
(40.06 W x 66.07 H x 10.05 D cm)

Color: Red

ENVIRONMENTAL

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

Humidity: 10% to 93% relative humidity
(non-condensing)

ELECTRICAL

Primary AC: 120 VAC @ 60Hz

Standby Current: 85mA @ 25 Vrms;
100mA @ 70.7Vrms

Alarm Current: 525mA @ 25 rms;
580mA @ 70.7Vrm

Total Power: 50W @ 25 Vrms or 70.7Vrms

- **Circuit 1-4:** Rated at 50W each
- **EVS-CE4 Circuits 5-8:** Rated at 50W

Main EVS Panel SBUS:

Standby Current: 10mA

Alarm Current: 10mA

Battery Charging Capacity: 7 – 35AH

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

Voice Integration Wiring:

- Six conductor
- Two voice bus
- Four SBUS

ORDERING INFORMATION

EVS-50W: Intelligent 50 Watt Amplifier, red

OPTIONAL ACCESSORIES

EVS-CE4: Audio Circuit Expander

RBB: Remote Battery Box accessory cabinet. Use for backup batteries up to 35AH and too large to fit into a cabinet

SK-SCK: Seismic Compliance Kit

STANDARDS AND CODES

The EVS-50W complies with the following standards and codes.

- UL 864, 10th Edition: Standard for Control Units for Fire Alarm Systems
- UL 864, Local Protective and Signaling Systems
- UL 2572, 2nd Edition: Standard for Mass Notification Systems
- UL 1711
- NFPA:
 - NFPA 13
 - NFPA 70
 - NFPA 72
- Local Protective Signaling Systems
- Emergency Communication Systems

AGENCY LISTINGS AND APPROVALS

- UL Listed: S2766
- CSFM Approved: 7165-0559:0500
- FDNY: Approved

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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.

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