**EVS-50W**

**Intelligent 50 Watt Amplifier**

The EVS-50W is an intelligent 50 watt amplifier for use with the 5820XL-EVS or 6820EVS. The EVS-50W is used to amplify the audio message for distribution throughout the facility. Since it 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’s can be used on the voice evacuation system.

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

**INSTALLATION**

The EVS-50W can be surface or flush mounted.

**COMPATIBILITY**

The EVS-50W is compatible with the following Honeywell Silent Knight Series FACP’s:

- 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

**FEATURES & BENEFITS**

- Integrates directly with Silent Knight Series 6000 panels. Installation is easy as there is no need for special programming or a separate dialer capture module
- Battery backup provided by the fire alarm control panel for enhance efficiencies and cost savings
- Communicators provide dual path cellular and IP reporting capability when combined with 6000 series panels
- UL 864 and NFPA 72 code compliant for sole, primary, or backup communications
- Accounts can be easily managed through on-line management tools
- Remote mount up to 6000 feet to ensure best reception
- Includes Quality of Service (QOS) diagnostics via AlarmNet which conveys vital communicator information, including when messages are received, signal strength, and message path used
- Programmable supervision time from 1 to 60 minutes
- Provides full data reporting using Contact ID format
### EVS-50W 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 67.2 H x 10.5 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 @ 70.7Vrms
- **Total Power:** 50W @ 25 Vrms or 70.7Vrms
  - Circuit 1-4: Rated at 50W each
  - EVS-CE4 Circuits 5-8: Rated at 50W
- **Main ECS 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 35AH per system.
- **Voice Integration Wiring:**
  - Six conductor
  - Two voice bus
  - Four SBUS T

**ORDERING INFORMATION**
- **EVS-50W:** Intelligent 50 Watt Amplifier

**ACCESSORIES**
- **EVS-CE4:** Adds four additional audio circuits to the EVS-50W.
- **RBB:** Remote Battery Box Accessory Cabinet. Use for backup batteries up to 35 AH.
- **AB55:** Remote Battery Box Accessory Cabinet. Use for backup batteries up to 55AH and too large to fit into EVS-50W Cabinet.

**AGENCY LISTINGS AND APPROVALS**
- **UL 864 and UL 2572**
- **Meets the requirements for NFPA 72 Local Protective Signaling Systems & Emergency Communication Systems.**
- **CSFM 7165-559:0172**

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For more information
Learn more about Honeywell Silent Knight and other products by visiting 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.