Honeywell

SILENT KNIGHT

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 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-50W

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

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 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 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 back 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

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

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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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