ECS-50W / ECS-50WB

Intelligent 50 Watt Amplifier

General

The ECS-50W (red cabinet) or ECS-50WB (black cabinet) are intelligent 50 watt amplifiers for use with the IFP-100ECS, IFP-300ECS, IFP-1000ECS, IFP-2000ECS and IFP-2100ECS. The ECS-50W or ECS-50WB are 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 ECS-50W/ECS-50WB is capable of producing 50-watts of audio power. Up to eight ECS-50W's can be used on the voice evacuation system.

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

Compatibility

The ECS-50W / ECS-50WB are compatible with the following Honeywell Farenhyt Series voice evacuation components: IFP-100ECS, IFP-300ECS/IFP-300ECSB, IFP-1000ECS, IFP-2000ECS, IFP-2100ECS/IFP-2100ECSB.

ECS-50W

FEATURES & BENEFITS

- SBUS addressable, up to eight ECS-50Ws per system for a total of 400 watts.

- Each ECS-50W is supervised and has four onboard audio circuits expandable to eight with the ECS-CE4 for a system total of 64 audio circuits.

- ECS-50W uses an easy to install wire harness to connect the ECS-CE4 audio circuit expander.

- Can be mounted up to 6000 feet away from ECS-Series panel.

- The ECS-50W has it's own power supply and backup battery.

- Selectable for 25V or 70.7V operation.

- Six-wire connection to ECS system: Two-wires for the voice bus and four-wires for the SBUS connections.

- UL 864 and UL 2572.

- Available in a red or black cabinet.

- The ECS-50W/ECS-50WB can be surface or flush mounted.

- 120 VAC or 240 VAC operation.

- Distributed between up to 128 audio circuits.

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"W x 26.25"H x 4.1"D (40.6 W x 66.7 H x 10.5 D cm)
Color: Red or Black

ENVIRONMENTAL

Operating Temperature: 32°F to 120°F (0°C to 49°C)
Humidity: 10% to 93% relative humidity (non-condensing)

ELECTRICAL

ECS-50W 25V: 120V, 60Hz, 350mA standby current, 1100mA Alarm Current (fully loaded system)

ECS-50WHV 25V: 240V, 50/60Hz, 200mA standby current, 600mA Alarm Current (fully loaded system)

ECS-50W 70V: 120V, 60Hz, 350mA standby current, 1200mA Alarm Current (fully loaded system)

ECS-50WHV 70V: 240V, 50/60Hz, 200mA standby current, 600mA Alarm Current (fully loaded system)

Main ECS Panel SBUS Standby & Alarm: 10mA

Speaker Circuit: 50 watts @ 25Vrms or 70.7Vrms max.

Battery Charging Capacity: 7 – 35AH

Battery Size: 18AH max allowed in cabinet. Use RBB accessory cabinet for larger batteries up to 35AH per system and AB-55 for larger batteries up to 55AH.

Voice Integration Wiring:

  Six conductor

  Two voice bus

  Four SBUS

ORDERING INFORMATION

ECS-50W: Intelligent 50 Watt Amplifier, Red
ECS-50WB: Intelligent 50 Watt Amplifier, Black
ECS-50WHV: High Voltage (204VAC) 50 Watt Amplifier

ACCESSORIES

ECS-CE4: Audio Circuit Expander
RBB: Remote Battery Box accessory cabinet. Use for backup batteries up to 35AH and too large to fit into ECS-50W cabinet
AB-55: Remote Battery Box accessory cabinet Use for back batteries up to 35AH
SK-SCK: Seismic Compliance Kit

AGENCY LISTINGS

NFPA 13, NFPA 70, NFPA 72, UL 2572, UL 1711 & UL 864: Local Protective Signaling Systems
UL Listed
CSFM: 7300-0559:0173
FDNY COA: (pending)

Honeywell