Honeywell
THE POWER OF CONNECTED

Farenhyt™ Series

Intelligent 50 Watt Amplifier

ECS-50W / ECS-50WB

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.



ECS-50W

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

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

ECS-50W / ECS-50WB 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"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

Module	Voltage	Standby Curent	*Alarm Current
ECS-50W, 25V	120V 60HZ	350mA	1100mA
ECS-50WHV, 25V	240V 50HZ	200mA	600mA
ECS-50W, 70V	120V 60HZ	350mA	1200mA
ECS-50WHV, 70V	240V 50HZ	200mA	600mA

***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 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 AND APPROVALS

NFPA 13, NFPA 70, NFPA 72, UL 2572, UL 1711 & UL 864: Local Protective Signalling Systems

UL Listed

CSFM 7300-0559:0173

City of New York

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

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

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com>

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