

# Intelligent 125 Watt Amplifier

ECS-125W / ECS-125WB

The ECS-125W (red cabinet) or ECS-125WB (black cabinet) is an intelligent 125 watt amplifier for use with the IFP-100ECS, IFP-300ECS, IFP-1000ECS, IFP-2000ECS and IFP-2100ECS. The ECS-125W/ECS-125WB 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-125W is capable of producing 125-watts of audio power. Up to eight ECS-125Ws can be used on the voice evacuation system. The ECS-125W 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-125W is fully supervised by the main panel for trouble conditions.



**ECS-125W**

## INSTALLATION

The ECS-125W and ECS-125WB can be surface or flush mounted.

## COMPATIBILITY

The ECS-125W / ECS-125WB 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-125Ws per system for a total of 1000 watts
- Each ECS-125W is supervised and has four onboard audio circuits expandable to eight with the ECS-CE4 for a system total of 64 audio circuits
- ECS-125W 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-125W has its own power supply and backup battery
- 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
- 120 VAC or 240 VAC operation

# ECS-125W/ ECS-125WB 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 Current	*Alarm Current
ECS-125W 25V	120V 60Hz	300mA	2200mA
ECS-125WHV 25V	240V 50Hz	250mA	1250mA

\*Fully loaded system

**Total Power:**

- **Circuit 1:** 100W max.
- **Circuit 2-8:** 50W max.

**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

## ORDERING INFORMATION

**ECS-125W:** Intelligent 125W Amplifier, Red

**ECS-125WB:** Intelligent 125W Amplifier, Black

**ECS-125WHV:** High Voltage (240V) 125W 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 AND APPROVALS

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

UL Listed

CSFM 7165-0559:0173

City of New York

For a complete listing of all compliance approvals and certifications, please visit [www.farenhyt.com](http://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](http://www.farenhyt.com)

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