

ECS-125W SERIES

Intelligent 125 Watt Amplifier

The ECS-125W is an amplifier compatible with the Farenhyt Emergency Communication System. The ECS-125W is used to amplify audio messages for distribution throughout entire facilities.

Since the ECS-125W 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-125W amplifiers can be used on the Emergency Communication System. The ECS-125W has its own power supply with battery backup and includes four speaker circuits which can be expanded to eight speaker circuits when used with the optional ECS-CE4. The ECS-125W is fully supervised by the main panel to identify any trouble conditions.

INSTALLATION

The ECS-125 Series can be surface- or flush-mounted.

COMPATIBILITY

The ECS-125W Series is compatible with the IFP-300ECS Series and IFP-2100ECS Series Addressable FACP's with Emergency Communication System.



FEATURES AND BENEFITS

- Complies with UL 864 10th Edition and UL 2572 2nd Edition Standards
- Meets NFPA 72 standards
- SBUS addressable; supports up to eight ECS-125W amplifiers per system for a total of 1000 watts
- Supervised wiring with four onboard audio circuits, expandable to eight with the ECS-CE4 expander, for a system total of 64 audio circuits
- Uses an easy-to-install wire harness to connect the ECS-CE4 audio circuit expander
- Mountable up to 6,000 feet away from the ECS Series panel
- Includes power supply and backup battery
- Available in a red or a black cabinet
- Supports 120 VAC or 240 VAC operation
- Provides six-wire connection to the ECS system:
 - Two wires for voice bus connections
 - Four wires for SBUS connections
- Can be surface- or flush-mounted

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ECS-125W SERIES TECHNICAL SPECIFICATIONS

PHYSICAL

Flush Mount Dimensions:

14.05"W x 24.75"H x 3.04"D
(36.08 W x 62.09 H x 8.07 D cm)

Overall Dimensions:

16.0"W x 26.25"H x 4.01"D
(40.06 W x 66.07 H x 10.05 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-125W(B)

Primary AC: 120 VAC @ 60Hz

Standby Current: 300mA

Alarm Current: 2200mA

Total Power: 125W @ 25VRMS

- Circuit 1: Rated at 100W each
- Circuit 2-4: Rated at 50W each

ECS-CE4 Circuits 5-8: Rated at 50W each

ECS-125WHV

Primary AC: 240 VAC @ 50Hz

Standby Current: 250mA

Alarm Current: 1250mA

Total Power: 125W @ 25VRMS

- Circuit 1: Rated at 100W each
- Circuit 2-4: Rated at 50W each

ECS-CE4 Circuits 5-8: Rated at 50W each

Main ECS Panel SBUS:

Standby Current: 10mA

Alarm Current: 10mA

Battery Charging Capacity: 7 – 35AH

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

Voice Integration Wiring (Six Connectors):

- 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, red

ACCESSORIES

ECS-CE4: Audio Circuit Expander

RBB: Remote Battery Box accessory cabinet. Use for backup batteries up to 35AH and batteries too large to fit into an ECS-125W cabinet.

SK-SCK: Seismic Compliance Kit

STANDARDS AND CODES

The ECS-125W Series complies with the following standards and codes.

- UL 864, 10th Edition: Standard for Control Units for Fire Alarm Systems
- UL 864, Local Protective Signaling Systems
- UL 2572, 2nd Edition: Standard for Mass Notification Systems
- UL 1711
- NFPA 13, NFPA 70, NFPA 72

AGENCY LISTINGS AND APPROVALS

- **UL Listed:** S2766
- **CSFM Approved:** 7300-0559:0173
- **FDNY:** COA #2023-TMCOAP-002546-RENL

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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.

Country of origin: USA

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