

Farenhyt



Intelligent 50 Watt Amplifier

ECS-50W

The ECS-50W is an intelligent 50 watt amplifier for use with the IFP-100ECS, IFP-1000ECS and IFP-2000ECS. The ECS-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 ECS-50W 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 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 is fully supervised by the main panel for trouble conditions.

Features

- 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 25 volt or 70.7 volt 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
- OSHPD (CA) OSP-0065-10
- CSFM 7300-0559:0173

Agency Listings



COA
6122



ECS-50W

Installation

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

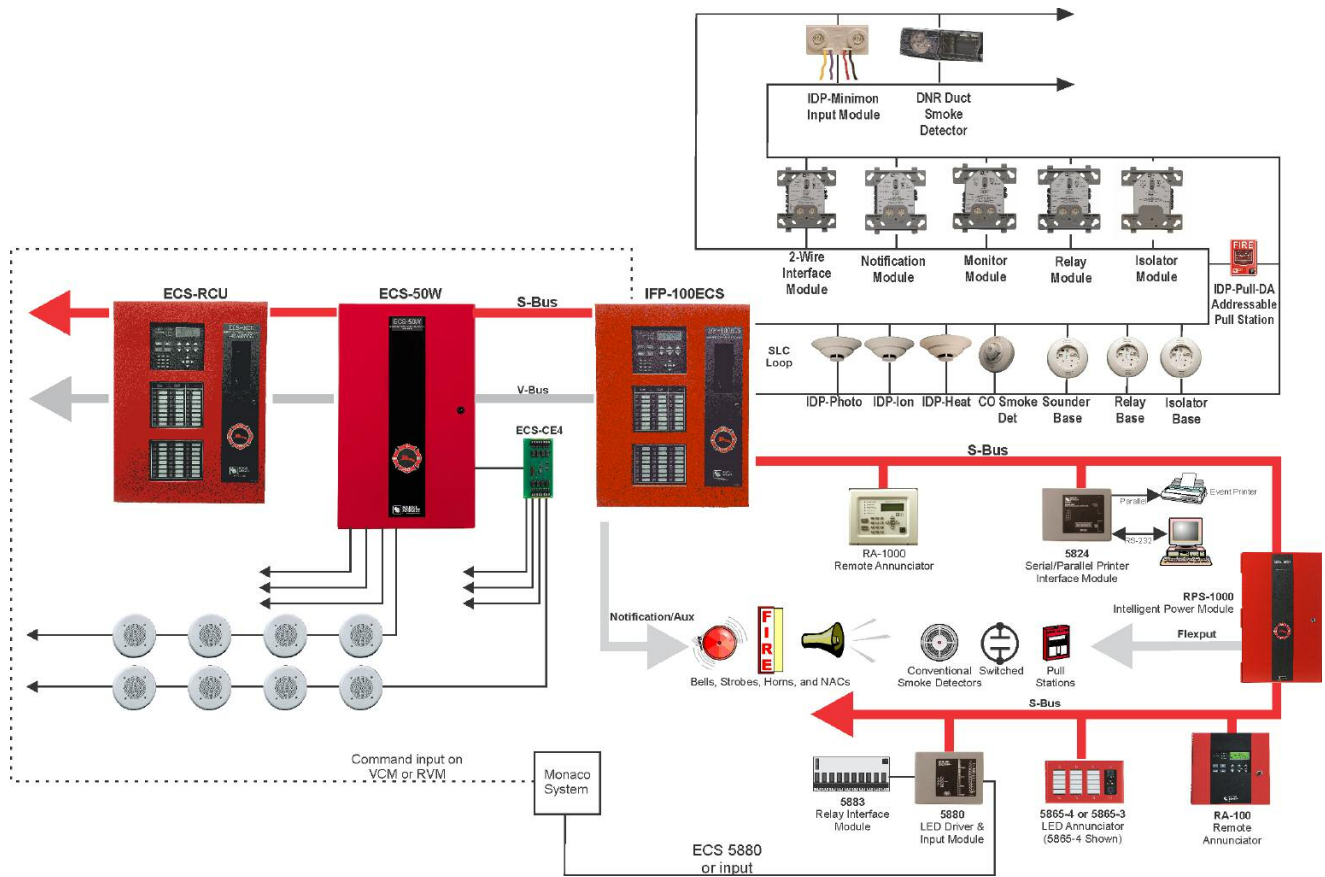
Compatibility

The ECS-50W is compatible with the following voice evacuation components:

- IFP-1000ECS Emergency Communication System Panel with Fire Alarm Control
- IFP-100ECS Emergency Communication System Panel with Fire Alarm Control
- IFP-2000ECS Voice Integration Panel with Fire Alarm Control

P/N 350771 Rev C

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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)

Weight: 27 lbs. (12.2 kg)

Color: Red

Environmental

Operating Temperature: 32°F – 120°F (0°C – 49°C)

Humidity: 10% – 93% non-condensing

Electrical

Primary AC: 120 VAC @ 60 Hz
240 VAC @ 50 Hz

Standby Current: 85/100 mA

Alarm Current: 525/580 mA

Main ECS Panel SBUS Standby & Alarm: 10 mA

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

Battery Charging Capacity: 7 – 35 AH

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

Voice Integration Wiring:

Six conductor
Two voice bus
Four SBUS

Approvals

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

Other Approvals: UL Listing; CSFM, COA, OSHPD (CA) OSP-0065-10

Ordering Information

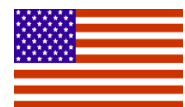
ECS-50W Intelligent 50 Watt Amplifier
ECS-50WHV Intelligent 50 Watt Amplifier, high voltage

Accessories

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



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. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. www.farenhyt.com



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