Farenhyt

SILENT KNIGHT
by Honeywell

Voice Evacuation

Intelligent 50 Watt Dual Channel Amplifier with optional Backup Amplifier

ECS-DUAL50W

The ECS-DUAL50W is an intelligent 50 / 100 watt amplifier for use with the IFP-100ECS, IFP-1000ECS or IFP-2000ECS. The ECS-DUAL50W is used to amplify audio message for distribution throughout a facility.

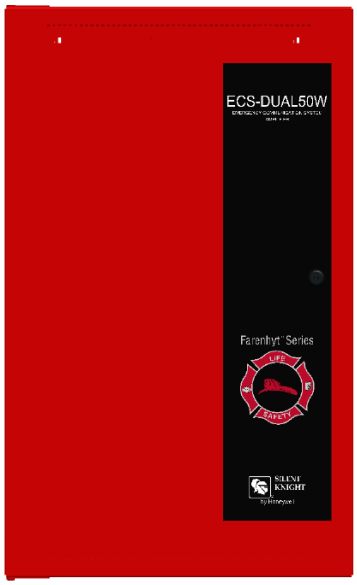
The ECS-DUAL50W is capable of producing up to 100 watts of audio power. The ECS-DUAL50W has its own power supply with battery backup and eight speaker circuits. The ECS-DUAL50W is fully supervised by the main panel for trouble conditions.

Features

- Amplifier is compatible as:
  - 50 watts with 50 watts as backup.
  - 100 watt single channel.
  - 100 watt single channel with 50 watts backup using ECS-50WBU.
  - Dual channel using 50 watts for each channel (IFP-2000ECS only).
  - Dual channel 50 watts each channel with 50 watts backup using ECS-50WBU.
- Up to 16 amplifiers per IFP-2000ECS system for a maximum of 1600 watts.
  - Distributed between up to 128 audio circuits.
- Built in backup amplifier test feature allows you to physically test that the backup amplifers are operating properly.
- Up to eight amplifiers per IFP-100ECS and IFP-1000ECS for a maximum of 1000 watts.
  - Distributed between up to 64 audio circuits.
- The ECS-DUAL50W has it's 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.
- Amplifier Bandwidth 400 Hz to 4000 Hz.
- Can be mounted up to 6000 feet away from ECS-Series control panel.
- 120 VAC or 240 VAC operation.
- UL 864 and UL 2572
- UL listed for 520Hz signaling when used with compatible speakers. See IFP-100ECS, IFP-1000ECS or IFP-2000ECS Installation manuals for list of compatible speakers.

Agency Listings

SIGNALING UL LISTED



ECS-DUAL50W

Installation

The ECS-DUAL50W can be surface or flush mounted.

Compatibility

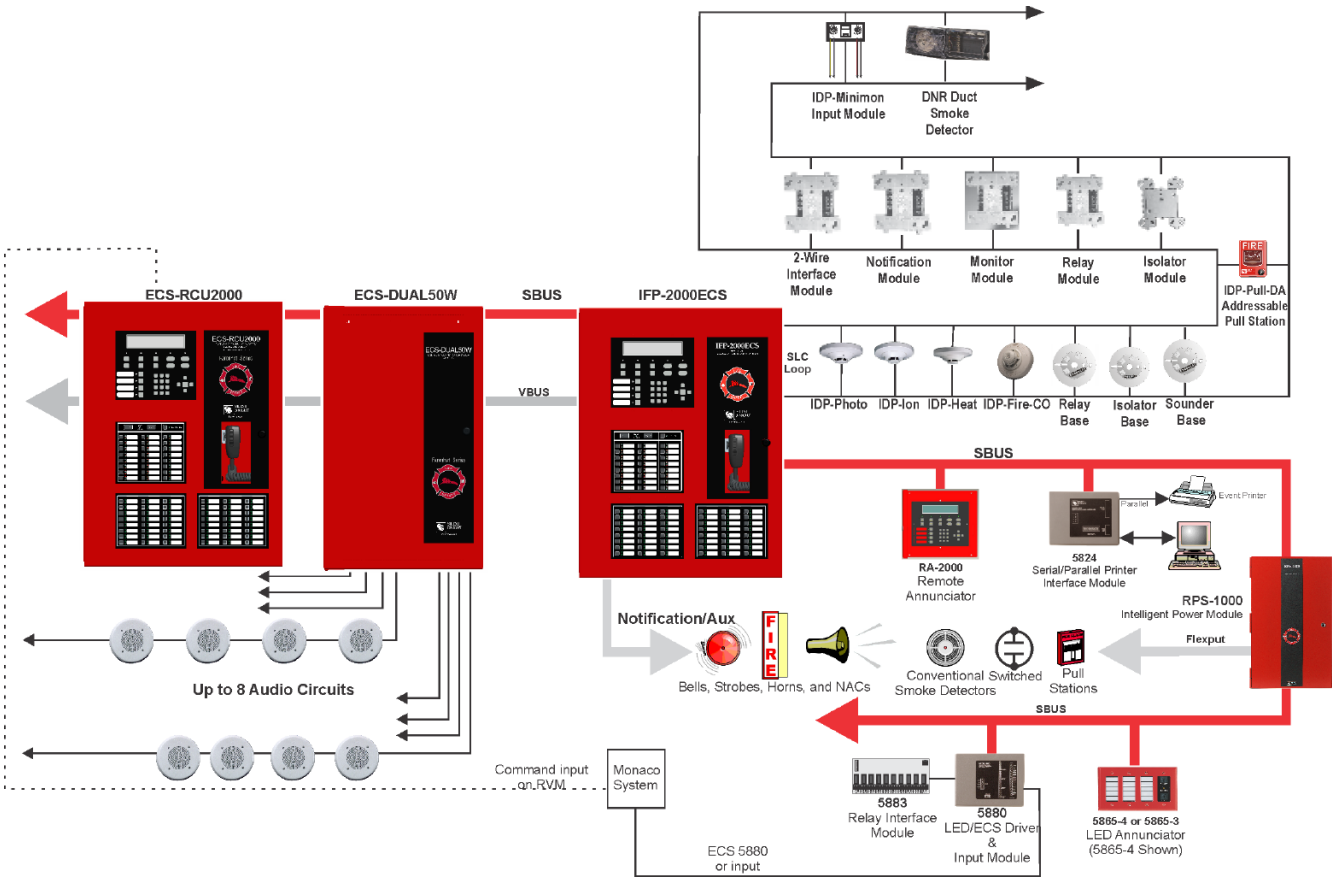
The ECS-DUAL-50W is compatible with the following voice evacuation components:

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

Note: Dual channel is compatible with IFP-2000ECS Only.

P/N 350607 Rev D

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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:
16.1”W x 26½”H x 4 1/8”D
(40.6 W x 66.7 H x 10.5 D cm)

Color: Red

Environmental

Operating Temperature: 32ºF – 120ºF (0ºC – 49ºC)

Humidity: 10% – 93% non-condensing

Electrical

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

Standby Current:

ECS-DUAL50W 25V 110 mA

ECS-DUAL50W 70.7V 110 mA

Alarm Current:

ECS-DUAL50W 25V, 1.2 A

ECS-DUAL50W 70.7V, 1.4 A

Total Power:
100 W @ 25 VRMS or 70.7 VRMS

- Circuit 1-4: 50 W max.
- Circuit 5-8: 50 W max.

Main ECS Panel SBUS Standby & Alarm: 10 mA

Battery Charging Capacity: 7 – 35 AH

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

Voice Integration Wiring:
Six conductor
Two voice bus
Four SBUS

Approvals

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

Other Approvals: UL Listing; CSFM, MEA (pending)

Ordering Information

ECS-DUAL50W/HV	Intelligent 50/100 Watt Amplifier

Accessories

ECS-50WBU	External Backup Amplifier
RBB	Remote Battery Box Accessory Cabinet. Use for backup batteries up to 35 AH.

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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. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, Please call 800-446-6444. **www.farenhyt.com**

Assembled in the U.S.A.