ECS-DUAL50W / ECS-DUAL50WB

50/100 Watt Dual Channel Amplifier with Optional Backup Amplifier

General

The ECS-DUAL50W (red) and ECS-DUAL50WB (black) are intelligent 50 / 100 watt amplifier for use with the IFP-100ECS, IFP-300ECS, IFP-1000ECS, IFP-2000ECS or IFP-2100ECS. 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.

Installation

The ECS-DUAL50W can be surface or flush mounted.

Compatibility

The ECS-DUAL50W is compatible with the following voice evacuation components: IFP-100ECS, IFP-300ECS, IFP-1000ECS, IFP-2000ECS, IFP-2100ECS.

NOTE: Dual channel is only compatible with IFP-300ECS, IFP-2000ECS, or IFP-2100ECS.

ECS-DUAL50WB

FEATURES & BENEFITS

- Amplifier is compatible as: 50W with 50W as backup

- 100 W single channel

- 100 W single channel with 50 W backup using ECS-50WBU

- Dual channel using 50W for each channel (IFP-2000ECS or IFP-2100ECS only)

- Dual channel 50 W each channel with 50 W backup using ECS-50WBU

- Amplifier Bandwidth 400Hz to 4000Hz

- Built in backup amplifier test feature allows you to physically test that the backup amplifiers are operating properly

- The ECS-DUAL50W has it's own power supply and backup battery

- Can be mounted up to 6000 feet away from ECS-Series control panel

- 120VAC or 240VAC operation

- Available in a red or black cabinet

- UL 864 and UL 2572

- UL listed for 520Hz signaling when used with compatible speakers

- Up to 16 amplifiers per IFP-2000ECS or ECS-2100ECS system for a maximum of 1600 watts

- Distributed between up to 128 audio circuits

ECS-DUAL50W / ECS-DUAL50WB 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: 16.1"W x 26.5"H x 4.1"D (40.64 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

Primary AC: 120VAC @ 60Hz

ECS-DUAL50W 25V: 190mA standby current

ECS-DUAL50W 70V: 190mA standby current

ECS-DUAL50W 25V: 2380mA alarm current

ECS-DUAL50W 70V: 2470mA alarm current

Primary AC: 240V @50/60Hz

ECS-DUAL50WHV 25V: 200mA standby current

ECS-DUAL50WHV 70V: 200mA standby current

ECS-DUAL50WHV 25V: 1260mA alarm current

ECS-DUAL50WHV 70V: 1310mA alarm current

Total Power: 100 W @ 25 VRMS or 70.7 VRMS
   Circuit 1-4: 50W max.
   Circuit 5-8: 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-DUAL50W: Intelligent 50 Watt Amplifier, Red

ECS-DUAL50WB: Intelligent 50 Watt Amplifier, Black

ECS-DUAL50WHV: High Voltage (240VAC) 50/100 Watt Dual Channel Amplifier.

ACCESSORIES

ECS-50WBU: External Backup Amp.

RBB: RBB Remote Battery Box Cabinet. Use for backup batteries up to 35AH. 16" W x 10" H x 6" D

AGENCY LISTINGS

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

UL Listed

CSFM: 7165-0559:0174

FDNY COA: (pending)

Honeywell