

FIK-DUAL50W and FIK-DUAL50WHV

Intelligent 50 Watt Dual Channel Amplifier

The FIK-DUAL50W is an intelligent 50/100 watt amplifier used to amplify audio messages for distribution throughout the facility.

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

COMPATIBILITY

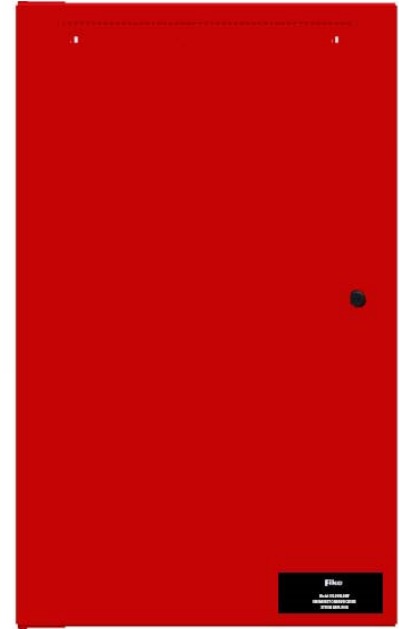
The FIK-DUAL50W is compatible with the following voice evacuation panels:

- FCP-300ECS
- FCP-2100ECS

Note: Dual channel is compatible with the FCP-2100ECS only.

FEATURES

- Amplifier is configurable as:
 - a) 50 watts with 50 watts backup
 - b) 100 watt single channel
 - c) 100 watt single channel with 50 watts backup using FIK-50WBU
 - d) Dual channel using 50 watts for each channel (FCP-2100ECS only)
 - e) Dual channel 50 watts each channel with 50 watts backup using FIK-50WBU
- Up to 16 amplifiers per FCP-2100ECS system for a maximum of 2000 watts distributed between up to 128 audio circuits
- Built-in backup amplifier test feature
- Up to eight amplifiers per FCP-300ECS for a maximum of 1000 watts distributed between up to 64 audio circuits
- Integral power supply and backup battery
- Six-wire connection to the 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 (1,828 m) away from the ECS control panel.
- 120 or 240 VAC operation
- UL listed for 520 Hz signaling when used with compatible speakers
- Surface or Flush-mount



APPROVALS

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

- UL Listed
- Factory Mutual Approved
- CSFM

For exact certification listings, please reference the respective agency website.

SPECIFICATIONS

Physical	
Flush Mount Dimensions (HxWxD):	14.5" x 24.75" x 3.44" (36.80 cm x 62.90 cm x 8.74 cm)
Overall Dimensions (HxWxD):	16.125" x 26.38" x 4.125" (40.96 cm x 67.0 cm x 10.48 cm)
Color:	Red
Environmental	
Operating Temperature:	32°F to 120°F (0°C to 49°C)
Humidity:	0 to 93% relative humidity (non-condensing)
Electrical	
Primary AC:	120 VAC @ 60 Hz / 240 VAC @ 50 Hz
Standby Current:	FIK-DUAL50W, 25V, 110 mA FIK-DUAL50W, 70.7V, 110 mA
Alarm Current:	FIK-DUAL50W, 25V, 1.2 A FIK-DUAL50W, 70.7V, 1.4 A
Total Power:	100 W @ 25 VRMS or 70.7 VRMS Circuits 1-4: 50 W maximum Circuits 5-8: 50 W maximum
Main ECS Panel SBUS:	10 mA standby and alarm
Battery Charging Capacity:	7 – 35 AH
Battery Size:	18 AH max in-cabinet. Use RBB accessory cabinet for larger batteries.
Voice Integration Wiring:	Six conductors (two voice bus and four SBUS)

ORDERING INFORMATION

Part Number	Description
FIK-DUAL50W	Intelligent 50/100 watt amplifier, 120 VAC
FIK-DUAL50WHV	Intelligent 50/100 watt amplifier, 240 VAC
Accessories	
FIK-50WBU	External backup amplifier
RBB	Remote battery box accessory cabinet (up to 35 AH batteries)