

FIK-50W / FIK-50WHV Intelligent 50 Watt Amplifier

The FIK-50W is an intelligent 50-watt amplifier used to amplify audio messages 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.

The FIK-50W is capable of producing 50 watts of audio power. Up to eight FIK-50W amplifiers can be used on the voice evacuation system.

The FIK-50W has its own power supply with battery backup and four-speaker circuits, which can be expanded to eight speaker circuits with the optional FIK-CE4. The FIK-50W is fully supervised by the main panel for trouble conditions.

COMPATIBILITY

The FIK-50W is compatible with the following voice evacuation panels:

- FCP-300ECS
- FCP-2100ECS
- FCP-2100ECSHV

FEATURES

- SBUS addressable, up to eight FIK-50Ws per system for a total of 400 watts
- Each FIK-50W is supervised and has four onboard audio circuits expandable to eight with the FIK-CE4 for a system total of 64 audio circuits
- FIK-50W uses an easy to install wire harness to connect the FIK-CE4 audio circuit expander
- Can be mounted up to 6000 feet (1,828 m) away from the Fike FCP series panel
- FIK-50W has its own power supply and battery backup
- Selectable for 25V or 70.7V 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
- FIK-50W can be surface or flush-mounted
- 120 VAC or 240 VAC operation



AGENCY LISTINGS AND 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 (WxHxD):	14.5" x 24.75" x 3.4" (36.8 cm x 62.9 cm x 8.7 cm)
Overall Dimensions (WxHxD):	16" x 26.25" x 4.1" (40.6 cm x 66.7 cm x 10.5 cm)
Color:	Red
Environmental	
Operating Temperature:	32°F to 120°F (0°C to 49°C)
Humidity:	10 to 93% relative humidity (non-condensing)
Electrical	
Primary AC:	120 VAC @ 60 Hz / 240 VAC @ 50 Hz
Standby Current:	FIK-50W, 25V, 350 mA FIK-50W, 70.7V, 350 mA FIK-50WHV, 25V, 200 mA FIK-50WHV, 70.7V, 200 mA
Alarm Current: (fully loaded system)	FIK-50W, 25V, 1100 mA FIK-50W, 70.7V, 1200 mA FIK-50WHV, 25V, 600 mA FIK-50WHV, 70.7V, 600 mA
Main ECS Panel SBUS:	10 mA standby and alarm
Speaker Circuit:	50 watts @ 25 Vrms or 70.7 Vrms maximum
Battery Charging Capacity:	7 – 35 AH
Battery Size:	18 AH max in-cabinet. Use RBB accessory cabinet for batteries up to 35AH. Use AB-55 accessory cabinet for batteries up to 55AH.
Voice Integration Wiring:	Six conductors (two voice bus and four SBUS)

ORDERING INFORMATION

Part Number	Description
FIK-50W	Intelligent 50 watt amplifier, 120 VAC
FIK-50WHV	Intelligent 50 watt amplifier, 240 VAC
Accessories	
FIK-CE4	Audio circuit expander
RBB	Remote battery box accessory cabinet (up to 35 AH batteries)
AB-55	Remote battery box accessory cabinet (up to 55 AH batteries)
SK-SCK	Seismic compliance kit