Intelligent 50 Watt Amplifier

VIP-50

The VIP-50 is an intelligent 50 watt amplifier for use with the IFP-100VIP, IFP-1000VIP and IFP-2000VIP. The VIP-50 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 VIP-50 is capable of producing 50-watts of audio power. Up to eight VIP-50s can be used on the voice evacuation system. The VIP-50 has its own power supply with battery backup and four speaker circuits which can be expanded to eight speaker circuits with the optional VIP-CE4. The VIP-50 is fully supervised by the main panel for trouble conditions.

Features

• SBUS addressable, up to eight VIP-50s per system for a total of 400 watts
• Each VIP-50 is supervised and has four onboard audio circuits expandable to eight with the VIP-CE4 for a system total of 64 audio circuits
• VIP-50 uses an easy to install wire harness to connect the VIP-CE4 audio circuit expander
• Can be mounted up to 6000 feet away from VIP-Series control panel
• The VIP-50 has its own power supply and backup battery
• Selectable for 25 volt or 70.7 volt operation
• Six-wire connection to VIP system: Two-wires for the voice bus and four-wires for the SBUS connections

Installation

The VIP-50 can be surface or flush mounted.

Compatibility

The VIP-50 is compatible with the following voice evacuation components:
• IFP-2000VIP Voice Integration Panel with Fire Alarm Control
• IFP-1000VIP Voice Integration Panel with Fire Alarm Control
• IFP-100VIP Voice Integration Panel with Fire Alarm Control

Agency Listings

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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: 32ºF – 120ºF (0ºC – 49ºC)
Humidity: 10% – 93% non-condensing

Electrical
Primary AC: 120 VAC @ 60 Hz, 1.75A or 230 VAC @ 50 Hz, 0.875A max.
Standby Current: 75 mA
Alarm Current: 700 mA
Main VIP 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 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signalling; Local Protective Signalling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service.
Other Approvals: UL Listing; CSFM 7170-0559: 143; 7165-0559: 160; MEA 429-92-E Vol. XV

Ordering Information
VIP-50 Intelligent 50 Watt Amplifier.

Accessories
VIP-CE4 Audio Circuit Expander.
RBB Remote Battery Box Accessory Cabinet. Use for backup batteries up to 35 AH and too large to fit into VIP-50 cabinet.
AB-55 Remote Battery Box Accessory Cabinet Use for back batteries up to 55AH and too large to fit into VIP-50 Cabinet.