

Technical Specifications

V-9983-W In-Wall Audio Mixer

- Built-in compressor (option switch controlled) for automatic consistent volume level adjustment even when voices vary - low to high
- Master Volume Control for optimum volume adjustments and volume control for each input
- One general building page input (-10 dBm) overrides all other inputs
- Drives 50 amplified speakers and/or horns
- Eight segment LED meter for visual indication of Audio Signal Levels
- Full frequency range output for speakers
- Hi-pass output for horns



Two Channel

Description:

The V-9983-W Two Channel In-Wall Mixer is a cost-effective solution that eliminates the use of expensive in-wall amplifiers. The complete sound system is ideal for conference rooms, lecture halls, restaurants, auditoriums and gymnasiums.

SPECIFICATIONS

INPUT

Page input: 30 mVRMS for -10 dBm output
Input impedance: >4 kOhm (balanced input)
Auxiliary input: 10 mVRMS for -10 dBm output
Input impedance: >40 kOhms

OUTPUT

Main output: -10 dBm nominal, 100 Ohms

POWER REQUIREMENTS

50 mA @ -24 Vdc

FREQUENCY RESPONSE

2 Hz to 20 kHz \pm 1 dB

CONTROLS

Master volume control
Auxiliary input volume control
Bass (50 Hz) boost or cut up to 12 dB
Treble (10 kHz) boost or cut up to 12 dB

ENVIRONMENT

Temperature: +32 to +122 °F (0 to +50 °C)
Humidity: 0-85% Non-condensing

HOUSING AND FINISH

Plastic with white finish

DIMENSIONS AND WEIGHT

5.00in W x 4.25in H x 2.00in D
(12.70cm x 10.80cm x 5.08cm)
Weight: 0.40lbs (0.18kg)
Shipping Weight: 3.20lbs (1.44kg)

MOUNTING

Mounts in 3-gang electrical box

2022 Rev 1.8.10

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ARCHITECTS AND ENGINEERS

The In-Wall Audio Mixer, model V-9983-W, shall provide active mixing for 1 balanced microphone and 2 auxiliary inputs. Also supplied is an additional audio input (building page) with an override feature. Up to 3 additional Remote Input Modules (V-9984) may be connected to the Main Control Module. Each Remote Input Module adds 1 Balanced Microphone and 1 Auxiliary input. The V-9983-W shall include a master volume control to allow a volume level adjustment of all mixed signals. Bass and treble controls allow up to 12 dB of boost or cut at 50 Hz and 10 kHz.

The V-9983-W In-Wall Audio Mixer building page input sensitivity shall be 30 mVRMS for -10 dBm output. Input impedance shall be greater than 4 kOhm (balanced input). Auxiliary input sensitivity shall be 10 mVRMS for -10 dBm output. Input impedance shall be greater than 40 kOhm.

The V-9983-W In-Wall Audio Mixer main output shall be -10 dBm nominal, 100 Ohms. The V-9983-W frequency response shall be 2

Hz to 20 kHz \pm 1dB . Horn output shall be -10 dBm nominal, 100 Ohms. Frequency response shall be 20 Hz to 20 kHz \pm 1 dB (1 dB/Octave High pass at 300 Hz).

The V-9983-W In-Wall Audio Mixer shall operate on a -24 Vdc nominal, positive ground power supply. Operating current shall be 50 mA at -24 Vdc. The V-9983-W operating temperature shall be +32 to 104 °F (0 to + 40 °C). Operating humidity level shall be 0% to 85% non-condensing.

The V-9983-W shall be constructed of plastic with white finish. The V-9983-W shall mount in a 3-gang electrical box.

The maximum dimensions shall be: 5.00in W x 4.25in H x 2.00in D (12.70cm x 10.80cm x 5.08cm). Weight shall be approximately: 0.40lbs (0.18kg).

Warranty information may be found on our website at www.valcom.com/warranty.