

Technical Specifications

SWM-35A 35-Watt Mixer Amplifier

- Three balanced microphone or auxiliary inputs
- Separate volume control for each input
- Circuit breaker protection
- 35-Watts
- Easy, convenient wall mounting
- Built-in single and warble tone generators
- Master gain control
- Cascading priority override or active mix
- Screw terminals for all connections
- Separate bass and treble control



35-Watt, 25/70 volt

Description:

The Clarity SWM-35A 35-Watt Mixer Amplifier is designed to provide audio power that can be used to operate 4 Ohms, 25 or 70 volt type speakers or horns for voice paging or background music systems.

SPECIFICATIONS

NOMINAL SPECIFICATIONS

Type of Outputs: 4 Ohms, 25 V, 70 V

Frequency Response: 80 Hz-15 kHz

Distortion: <2%

Number of Inputs: 3 - (1) Mic 1/Tel, (1) Mic2/Aux1, (1) Aux 2

Voice Switch Sensitivity: -31 dBm

Mic Input Impedance: 600 Ohm balanced

Sensitivity of Mic Input: 1.0 mV RMS

Tel Line Input Impedance: 600 Ohm

Aux Input Impedance: 10k Ohms

NOMINAL POWER REQUIREMENTS

Voltage: 120 Vac

Current: 1.0 Amps

ENVIRONMENT

Temperature: 32 to 122 °F (0 to 50 °C)

Humidity: 0 to 85% non-precipitating

HOUSING AND FINISH

20 AWG steel and finished in carbide black with a light texture and white lettering

DIMENSIONS AND WEIGHT

13.25in W x 12.10in H x 4.50in D

(33.66cm x 30.73cm x 11.43cm)

Weight: 16.00lbs (7.27kg)

Shipping Weight: 18.00lbs (8.18kg)

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Clarity
by Valcom

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ARCHITECTS AND ENGINEERS

The 35-Watt Mixer Amplifier model SWM-35A shall be completely solid-state and have screw-type connections for all inputs and outputs.

The SWM-35A Mixer Amplifier shall mix and control up to three inputs. Input one accommodates either a low impedance balanced microphone or 600 ohm tel line audio input. Input two allows the use of a low impedance balanced microphone or a high impedance auxiliary input. Input three is used with a high impedance input.

The SWM-35A Mixer Amplifier shall include individual input controls along with bass, treble, master gain, and tone level controls. LED indicators are provided to show power "ON" and clipping. The automatic level control is provided on the Tel line input.

The SWM-35A Mixer Amplifier shall be equipped with two types of tone signaling, warble and single tone. These tones are activated by contact closures. In the event both contacts close simultaneously, the single tone will override the warble tone.

The SWM-35A Mixer Amplifier priority override shall be provided and enabled by a slide switch located on the front of the amplifier. The

override is VOX operated, eliminating the need for contact closures. The override sequence shall be as follows, Mic /Tel overrides Mic 2/ Aux 1 and Aux 2. Mic 2/Aux 1 overrides Aux 2..

The SWM-35A Mixer Amplifier shall provide 4 Ohm, 25 V, and 70 V outputs. Screw terminals shall be provided for all connections. Automatic limiting circuits shall provide the SWM-35A protection in the event of an overload or short circuit on the output. The unit shall shut down in the event of a trouble condition and reactivate when the condition is corrected. A circuit breaker shall provide primary protection. An effects loop and booster output shall be provided.

The SWM-35A Mixer Amplifier shall be constructed of 20 AWG steel and finished in carbide black with a light texture and white lettering. The SWM-35A shall be wall mountable.

Maximum dimensions shall be: 13.25in W x 12.10in H x 4.50in D (33.66cm x 30.73cm x 11.43cm) (33.66cm x 30.73cm x 11.43cm). Weight shall be approximately: 16.00lbs (7.27kg).

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