

LM1-VC12P-IN Volume control unit, 12W



Public address systems are often used for both announcements and background music distribution. The volume control unit can be used to adjust the sound levels locally. Typical applications include meeting rooms, conference rooms, reception areas etc.

The volume control unit is available in a 12 W version.

System overview

The volume control unit is designed to support 12 W loudspeaker load and it has 9 attenuation steps and 2 “Off” positions. Each attenuation step is of 3 dB. The markings around the rotary knob indicate the steps and the “Off” position. The volume control unit can be used in applications where sound from the loudspeaker needs to be controlled, typically for non-EVAC applications like general or live announcements, automated messages and background music.

Functions

The volume control unit consists of an auto-transformer and a rotary switch. The rotary switch has 12 positions, 9 attenuation steps and 2 “Off” positions.

The volume control unit is supplied with an ABS back box, facilitated with knotouts to route the cable from the amplifier and to the loudspeakers. The volume control unit can be installed either on a wall or flush-mounted to a wall.

- ▶ 12 W version
- ▶ Available in attractive signal-white color
- ▶ Supports installations on a 3x3 inch electrical mounting box

Installation/configuration notes

The volume control unit is supplied with an ABS back box, which can be installed either on a wall or flush-mounted to a wall. The ABS back box has screw holes which can be used for mounting the box on a wall. The unit can also be mounted on a standard 3x3 inch electrical box instead of on an ABS back box. This can be done by pulling the ABS knob and the top plate. The phoenix connectors on the PCBA are used to connect the amplifier (input) and the loudspeaker (output). This assembly consists of a transformer, a printed circuit board and a rotary switch. The packaging also includes a pair of M4 screws, which can be used for installation with the standard electrical box.

Parts included

Quantity	Component
1	Volume control unit
1	M4 screws
1	Installation manual

Technical specifications

Electrical	
Rated power	12 W
Input Voltage	100 V
Attenuation Steps	9 x 3 db + 2 Off

Frequency Response (-1 db)	50 Hz to 20 kHz
Connection Terminal	4-Way Screw Terminal
Supported Wire Gauge	0.8 sq. mm to 2.0 sq. mm

Environmental

Operating temperature	-5 °C to +55 °C
Storage Temperature	-40 °C to +70 °C
Relative humidity	95%

Mechanical

Dimensions (WxDxH)	92.6 mm x 91 mm x 80 mm
Weight	270 g
Color	Signal white (RAL 9003)

Ordering information

LM1-VC12P-IN Volume control unit, 12W
12 W Volume Control Unit
Order number **LM1-VC12P-IN | F.01U.363.541**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Platz 1
D-70839 Gerlingen
www.boschsecurity.com

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com