

LOUDSPEAKER VOLUME CONTROL

VCT80R

Voice-control for 100V loudspeakers with volume restoration option, wallmount.



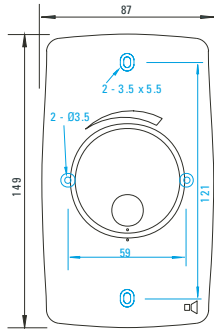
● Electrical	
Rated power 100 volt/70.7 volt line, Watts	80/40
Transformer output steps@ 100 volt line, Volts	100/70.7/50/35.36/25/17.68/ 12.50/8.84/6.25/4.42/3.12/OFF
Transformer output steps@ 70.7 volt line, Volts	70.7/50/35.36/25/17.68/12.50/ 8.84/6.25/4.42/3.12/2.21/OFF
Attenuation Per Step, dB	3
Total Attenuation, dB	30
Attenuation Positions	10 plus OFF
Insertion Loss, dB	0.6
Effective frequency range @1k Hz-1dB, Hz	20 - 20,000
● Environmental	
IP Rating	n/a
Min/Max amb temp	n/a
Relative Humidity	n/a
● Mechanical	
Dimensions, front & depth, mm	149 x 87 x 61
Net weight, kg	Flush: 0.35, Surface: 0.44
Colour/Finish	White
Material	ABS Moulded
Mounting	Flush and Surface



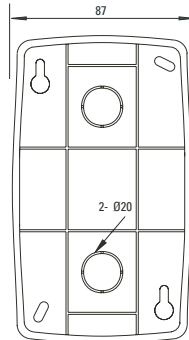
INSTALLATION GUIDE

VCT80R

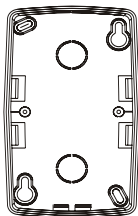
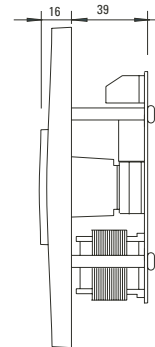
Front view
(unit: mm)



Rear view
(unit: mm)

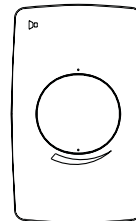


Side view
(unit: mm)



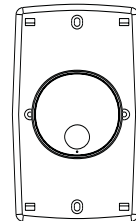
Back cover/ box

1) Fit surface back cover/box to required position. A recessed installation will require an "MK" type junction box min depth 47mm. "MK" type back box, not supplied.



Front cover

3) Cover removed keep to one side.



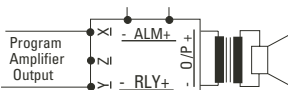
Front plate and knob

4) Pull off / remove the attenuator knob and keep to one side.



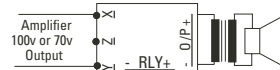
Tri-wire restoration via remote relay

1) Set function selector to "T".
2) Connect amplifier output to "X", "Z" and "Y" as shown on the diagram.



Dual amplifier sound restoration

1) Set function selector to "D".
2) Connect program amplifier output to "X" and "Y", paging amplifier to "ALM+", 24 Vdc to "RLY+" as shown on the diagram.



Two wire relay controlled restoration

1) Set function selector to "N", pre-set restoration sound level (1=0, 2=-3, 3=-6dB).
2) Connect amplifier output to "X" and "Y", 24 Vdc to "RLY+" as shown on the diagram.

Circuit Diagram

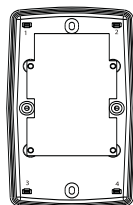


Plate with the PCB mounted (back view)

2) Unclip front cover at 4 fixing points, as indicated points 1-4.

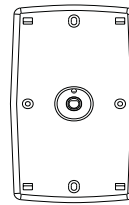
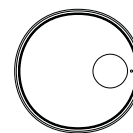


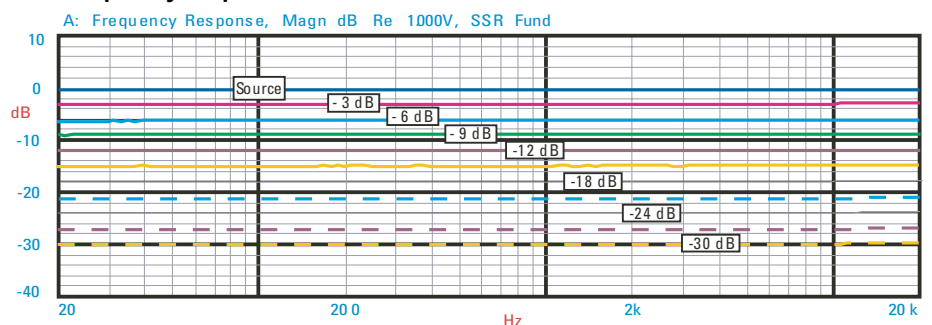
Plate with the PCB mounted (front view)

5) Wire the volume control as circuit diagram and then fix plate to back box via fixing holes "A & B". Re-fit Knob and front plate to complete install.



Knob

Frequency response



Disclaimer: We reserve the right of changes and errors.



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