

RLC1 Remote Level Control

Data Sheet / Manual



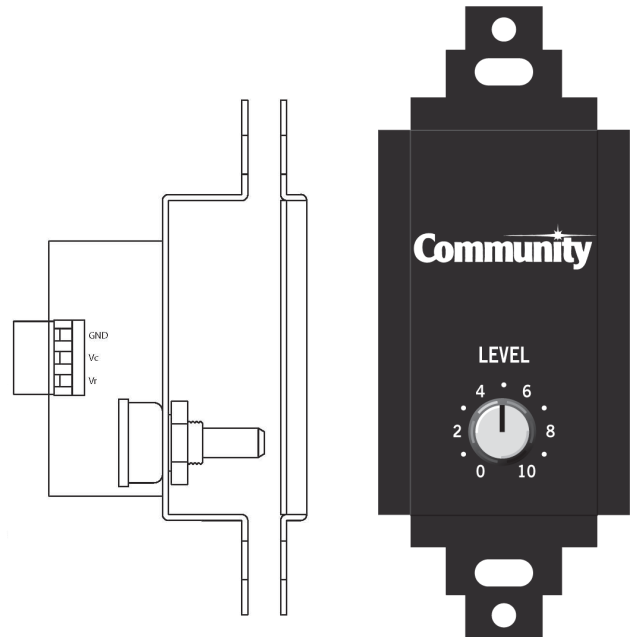
DESCRIPTION

The RLC1 provides a simple solution to changing volume settings from a remote location using the dSPEC226's Control Ports. A port for a wired Remote Level Control is provided for each of the six Outputs. Using the optional RLC1 Remote Control provides an audio taper response from 0 dB to > -80 dB. To control more than one Control Port with a single Remote Control, it is only necessary to connect the pin of each additional port.

VOLTAGES

Turn the power to the unit off until all connections are made. It is important to ensure that the Control Ports are not subjected to sustained voltages outside the range of 0 to 5 VDC or high levels of static. Inputs are protected, however, caution is always advised. It is a good idea to install the wiring, connect it to the Remote and then make the final connections at the Remote Port.

Do not short either of the REF (+5VDC) pins to ground. This pin is current limited; however, excess heat is generated in the 5V supply if a short occurs. Never subject the REF pin to voltages above 5 V.



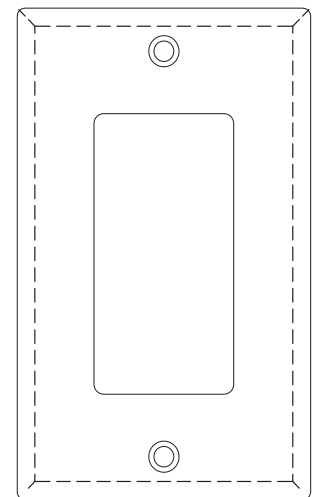
REMOTE MOUNTING

The RLC1 remote assembly mounts in a standard U.S. electrical box with a minimum depth of 2.25" (5.5cm). Use the flat head #6 screws supplied with the kit to mount the remote assembly and silk-screened front panel to the electrical box.

Install the knob so that the line on the knob is properly aligned with the silk-screening on the front panel of the remote. Install any Decora plate of your choice. For a secured installation, you may wish to leave the knobs off and use a blank Decora plate to cover the remote after adjustment.

EUROBLOCK CONNECTIONS

Be sure to note the wire color of each input in order to facilitate correct wiring to the controlled unit. If the ground or shield wire is left shorter, it acts as a strain relief for the other wires. Connect each wire to the 3-pin connector by fully inserting it in the correct socket and tightening the screw. Make sure wires are free of nicks and that the cable jacket is stripped back sufficiently to allow it to lie in the electrical box with the remote assembly inserted.



Decora™ Plate not included.
Decora is a trademark of Leviton.

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WIRE TYPES

Variations in wire type do not greatly affect the performance of the remote controls. However, 22-gauge stranded wire with a flexible jacket is recommended. You may use 3-conductor unshielded remote control signal cable for shorter runs (less than 200 feet) or 2-conductor (1 pair) shielded remote control signal cable (use the shield as the GND return) for longer runs (200 to 1000 feet). The type of wire required is influenced by your installation and local electrical codes. Community Professional Loudspeakers does not provide or source cable. To purchase cable, please contact your local retail or wholesale outlet. Following is a short list of suitable cable types:

CONSOLIDATED ELECTRONIC WIRE AND CABLE

Plenum cable:

Unshielded remote control signal cable CAT. # 9896

Shielded remote control signal cable CAT. #9877, CAT. #9852

WEICO WIRE & CABLE INC.

Communication and control cable:

Multi-conductor, unshielded CAT. #7606

ALPHA

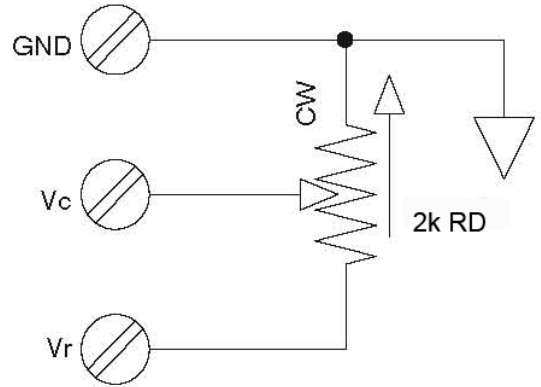
Communication and control cable:

Multi-conductor, unshielded CAT. #1175C

BELDEN

Unshielded remote control signal cable CAT. # 88741

Shielded remote control signal cable CAT. # 88723



RLC1 Block Diagram and Schematic

NOTICE: Every effort has been made to insure that the information contained in this manual was complete and accurate at the time of printing. However, due to ongoing technical advances, changes or modifications may have occurred that are not covered in this manual. The latest version of this manual and the most recent product information published by Community is always available at <http://www.communitypro.com>.