

Installation

1. Select a convenient mounting location for the volume controls
2. Run all the necessary wiring to the volume controls. Label the wires for future reference.
3. Make the connections to the volume controls
 - a. Strip 3/8" of insulation from the end of each wire .
 - b. Tightly twist the end of each wire until there are no frayed ends.
 - c. Insert each wire into the the appropriate hole on the connector terminal and screw - tightly .
4. Make certain that all connections between your amplifier and the volume control and between the volume control and each speaker are "phase correct". positive to positive and negative to negative .
5. Turn the knob CW (max. Position)
6. Power - on the amplifier. (Turn the knob CCW step by step). Checking the volume control's action.

Six zone speaker controller

SS series

Owner's Manual

The **SS series 19" Rack mount volume controls**, enables you to play up to six area of speaker throughout public area, play one area, or all area at once. 24 volt relay for emergency.

The output from the amplifier is wired directly to the volume controls. From there, speaker wire is run to speakers located in the lobby, the restaurant, the pool area, the guest rooms, and the meeting room. Music for each location is control by rotary switch. Additionally, the **SS series 19" rack mount volume controls** can be combined with other C & S products to achieve even greater controls.

FEATURES:

- o 19" 2U rack panel in black or white.
- o Connects up to six of speakers area.
- o Autoformer safeguards your receiver or amplifier.
- o Screw-on connections terminal handle up to 14 gauge speaker wire.
- o 11 steps of attenuation: @3dB each, final 2 steps @6 dB each.
- o total attenuation at 33 dB and off.
- o 24 volt - 150mA relay for emergency program.
- o Ideal for commercial sound installations.

Installation consideration :

Type of speaker wire

For most applications, we recommend you use 1.4 ϕ standard copper speaker wire for the **SS series 19" rack mount volume controls** connections. For wiring runs longer than 50M, 2.0 ϕ wire is recommended.

When running speaker wires inside walls, you must use a special type of speaker wire. Usually, the requirement is that the wire has a specific fire rating.

Avoiding Interference

Speaker wires can act as an "antenna" for electrical noise. Locating speaker wire too close a light dimmer or switch may cause a "buzzing" or "popping" sound to be heard through the speakers.

If you must locate the volume controls wiring near electrical devices, route the speaker wires several meter away from the electrical wiring.

Amplifier Impedance load

As most commercial of speakers are parallel connected to a receiver or amplifier the overall system is 70 volt or 100 volt (70 volt system for American, 100 volt for Europe).

Item no.	System	Watts	Impedance (Ω)	Panel
40027SS-B	70 volt	75	66.7	black
40027SS-W	70 volt	75	66.7	white
40028SS-B	70 volt	35	142.8	black
40028SS-W	70 volt	35	142.8	white
40075SS-B	100 volt	150	66.7	black
40075SS-W	100 volt	150	66.7	white
40076SS-B	100 volt	120	83.3	black
40076SS-W	100 volt	120	83.3	white
40077SS-B	100 volt	50	200	black
40077SS-W	100 volt	50	200	white
40078SS-B	100 volt	100	100	black
40078SS-W	100 volt	100	100	white
40079SS-B	100 volt	75	133.3	black
40079SS-W	100 volt	75	133.3	white
40080SS-B	100 volt	35	285.7	black
40080SS-W	100 volt	35	285.7	white

CIRCUIT PROGRAM:

