

Extron

SI 3CT LP

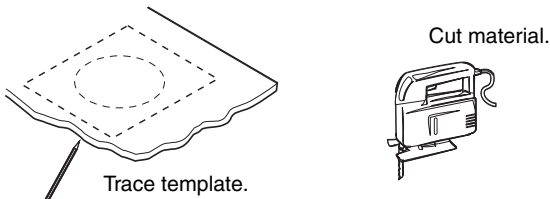
Ceiling Speaker

User's Guide

Frame Construction Ceiling Installation

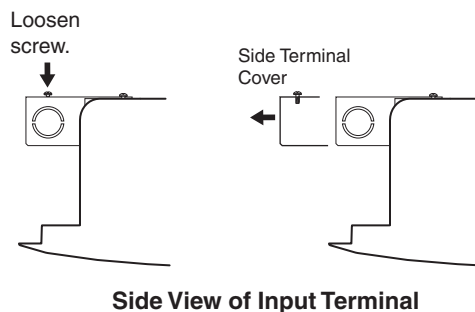
1

Take the cutout template from the packaging box and punch out along the larger perforated circle. Place the cutout template against the ceiling and trace along the inside circle. Carefully cut out the ceiling material along the circle.



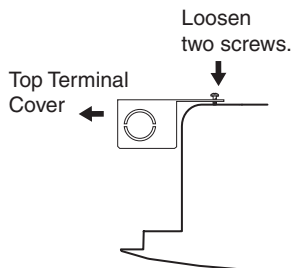
2

The side terminal cover, as illustrated in step 3f, must first be removed before wiring the speaker. Loosen the single top screw of the side terminal cover and pull the side terminal cover straight out. See the illustration below.



3

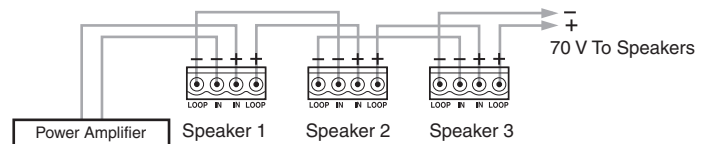
a. Remove the top terminal cover (see the illustration in step 3f) by loosening (do not remove) both top screws, sliding the top terminal cover away from the screws, and removing the cover, as shown here.



b. Remove the knockout(s) from the top terminal cover depending on the direction from which the conduit(s) will be entering the cover.

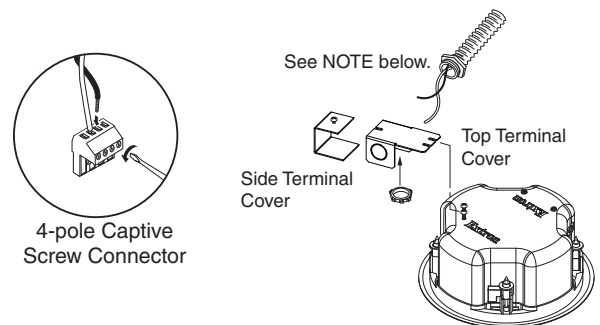
c. Insert the conduit(s) into the knockout opening(s) and secure the conduit to the cover with the locking nut.

d. Pull the speaker wires from the conduit, strip 0.2" (5 mm) from the wire ends (*do not tin the wires*), and secure the wires into the 4-pole captive screw connector. To connect speakers in parallel, see the wiring diagram below.

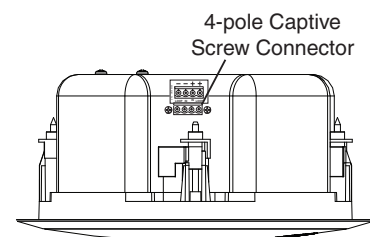


e. Bring the speaker up to the bottom of the hole in the ceiling.

f. Plug the wired connector from step 3d into the speaker's audio input connector. Secure the top terminal cover with the two top screws that were loosened in step 3a; hook the side terminal cover to the top terminal cover; and secure the side terminal cover in place with the screw that was loosened in step 2.



NOTE Installation in a plenum-rated environment requires a wire gauge of 14 AWG to 18 AWG.



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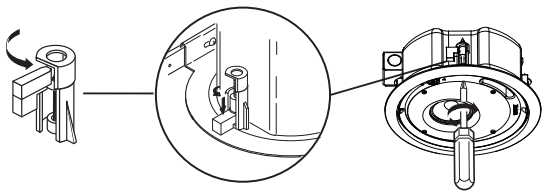
User's Guide

Frame Construction Ceiling Installation, cont'd

4

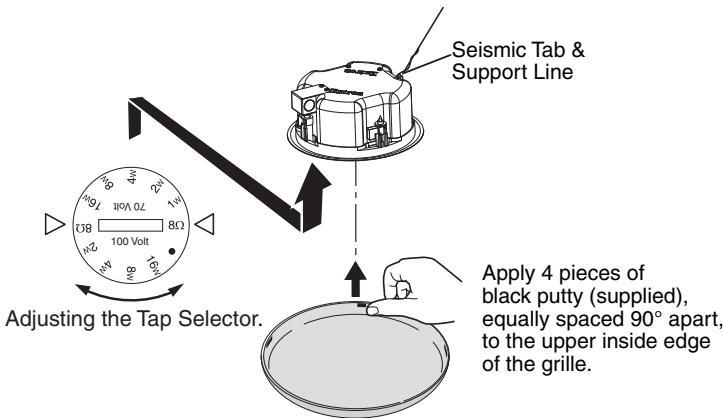
Loosen the four screws on the front baffle (counter clockwise) 1/2 turn. Insert the speaker in the ceiling hole, then tighten the screws (clockwise) until the dog legs clamp the speaker to the ceiling. See the following illustration.

CAUTION Do not overtighten screws.



5

Connect a secondary support line from the seismic tab to a secure support point, as shown below.



Set the rotary tap selector (shown above) to the proper position.

CAUTION Do not turn the tap selector to the 8 Ω position when using 70 V / 100 V lines.

Install the speaker grille.

Suspended Ceiling Installation

1

Remove the ceiling tile where the speaker is to be installed.

2

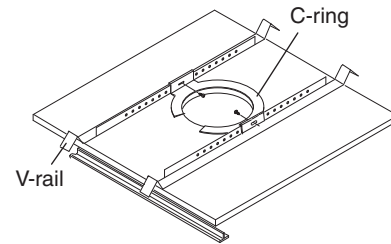
Cut the hole in the tile (see step 1 on page 1).

3

Bring the speaker cable through the hole of the cut tile, then reinstall the tile.

4

Remove the adjacent tile. Place 2 V-rails and 1 C-ring across the tile where speaker is to be installed. Bring the speaker up to the bottom of the hole in the ceiling tile.



5

Connect the wires to the speaker terminal connector (see step 3 on page 1).

6

Loosen the four screws on the front baffle (counter clockwise) 1/2 turn. Then tighten the screws (clockwise) until the dog legs clamp the speaker to the ceiling.

CAUTION Do not overtighten screws.

7

Connect a secondary support line from the seismic tab to a secure support point (see step 5 of *Frame Construction Ceiling Installation* on this page).

8

Set the rotary tap selector and install the grille (see step 5 of *Frame Construction Ceiling Installation* on this page).

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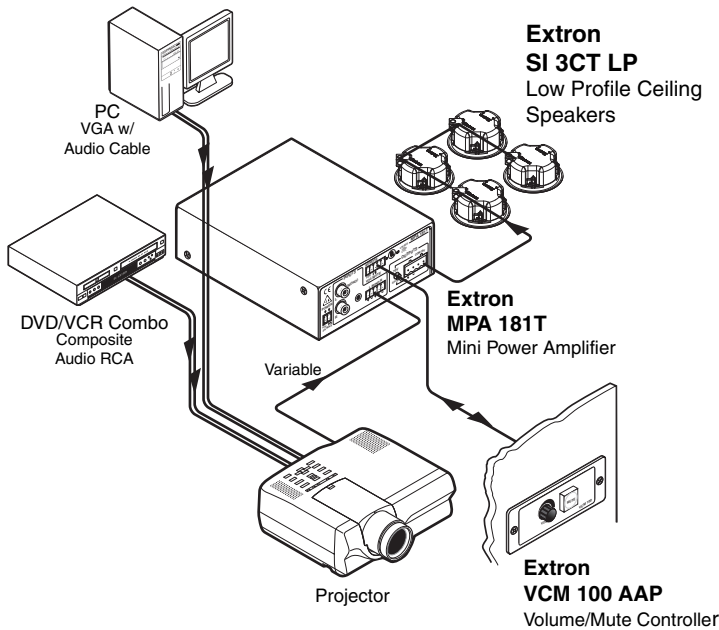
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Painting the Speaker Baffle

Tear along the smaller perforated line of the cutout template marked as a paint shield. Push it into the front baffle of the speaker. Paint the front. Remove the paint shield after the paint has dried.

Application diagram



Specifications

Acoustic & Electrical

Speaker type.....	Low profile ceiling speaker with metal back can
Frequency response.....	75 Hz to 18 kHz, -10 dB, half space
Power capacity.....	16 W continuous pink noise 32 W continuous program
Nominal sensitivity.....	83 dB, 1 W, 1 m, 16 W tap, half space
Nominal coverage angle.....	170° conical coverage
Nominal impedance	8 ohms
Rotary switch taps.....	70V: 16 W, 8 W, 4 W, 2 W, 1 W 100V: 16 W, 8 W, 4 W, 2 W
Driver.....	3" (76 mm) full range paper cone with moisture resistant coating
Input/output connector.....	(1) 5 mm captive screw connector, 4-pole for input and loop-through

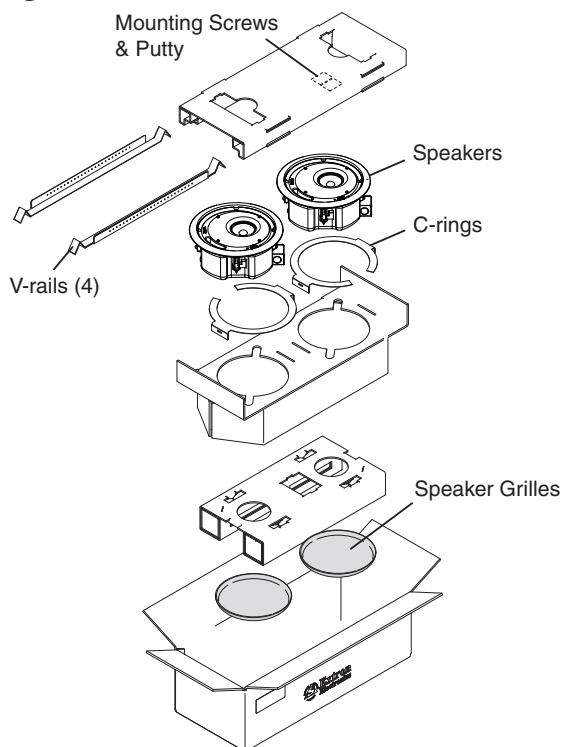
General

Package	2 speakers (1 pair)
Temperature/humidity.....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Mounting.....	Ceiling mountable with included hardware: V-rails for 2' x 4' (600 mm x 1200 mm) ceiling tiles, and C-rings
Enclosure type.....	Formed steel back can; high impact, fire-resistant (UL94V-0), polystyrene plastic baffle/rim
Enclosure outer dimensions.....	4.0" H x 9.9" diameter (102 mm x 251 mm diameter)
Cutout dimensions.....	8.82" diameter (224 mm diameter)
Product weight.....	6 lbs (2.72 kg) each speaker
Shipping weight.....	22 lbs (9.98 kg) per pair w/ mounting kit package
Listings	UL 2043, UL1480
Compliances	CE, NFPA90, NFPA70A
Warranty	5 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

Packaging



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