

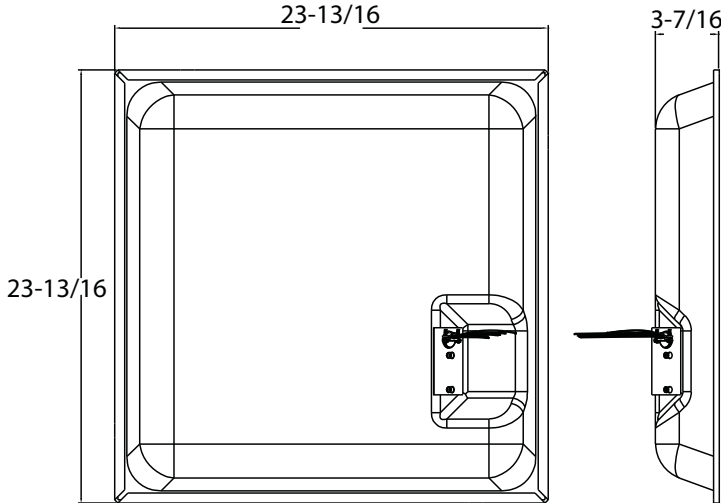


Quam

SYSTEM 15

Tile Replacement Loudspeaker Assembly Extended Frequency Response

0104.5 - LAY-IN CEILING MOUNT (TILE REPLACEMENT)



01
LOUDSPEAKER ASSEMBLIES

GENERAL DESCRIPTION

The QUAM SYSTEM 15 is a complete loudspeaker assembly with a 8" O.D. wide frequency response, coaxial speaker, 10W-70.7V, low loss, extended frequency response pigtail transformer, perforated steel baffle, and integral molded fiber enclosure. Finish: Baked epoxy hybrid.

INTENDED USE

Mounted parallel to floor plane in a 24" wide suspended ceiling tile grid; indoor environment. Program Material: Music, voice and signal tones

SYSTEM COMPONENTS

Loudspeaker	8C10FECO
Transformer	10W*, 70.7V, pigtail, (TCH70)

*10W, 5W, 2.5W, 1.25W, 0.63W

FINISH OPTIONS

White	Order as SYSTEM 15
Black	Order as SYSTEM 15/B

AUDIO SPECIFICATIONS

Average Sensitivity	95 dB-SPL, 1W/ 1M
Loudspeaker Power Rating	20W-RMS, EIA 426A Standard
Calculated Maximum System Output	105 dB-SPL, 10W / 1M
Magnet Type, Weight	BeFe Ceramic, 10 oz. Nominal
Frequency Response	40 - 20kHz EIA 426A Standard
Nominal Coverage Angle	100° Included angle, -6dB 2 kHz, half space
Audio Connection	7" long labeled, jumper select, tinned wires, pre-cut

Recommended construction sequences, installation instructions and Guide Specs are available in various formats in the A&E Resources Section at: www.quamspeakers.com

Quam-Nichols Company

234 East Marquette Road, Chicago, IL 60637
Phone: (800) NEED NOW Fax: (888) NEED NOW
(800) 633 - 3669 (888) 633 - 3669
E-Mail: neednow@qnc.com www.quamspeakers.com



(1' x 2') SYSTEM 5/VC, SYSTEM 14, SYSTEM 16, – includes 8-Ohm and xx/RS versions
(2' x 2') SYSTEM 12/VC, SYSTEM 15, SYSTEM 17 – includes 8-Ohm and xx/RS versions

INTENDED USE:

All versions: Indoor environment, mounted parallel to floor plane in a 24" wide, suspended ceiling tile grid; mount height 18' or less above floor plane.

Program material: Signal tones, voice and music.

1. Cut ceiling tile as required:

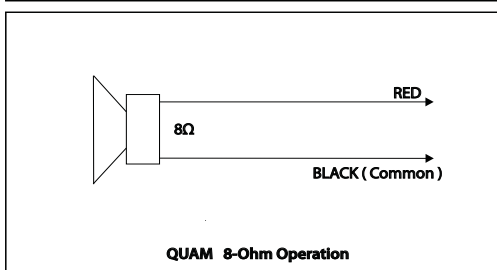
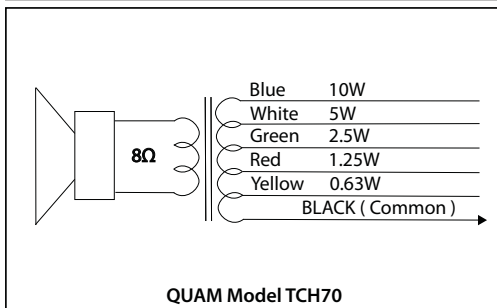
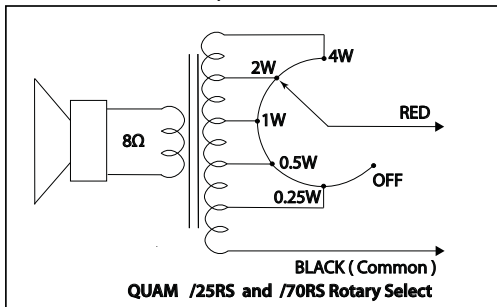
- 1' x 2' **FORMAT LOUDSPEAKER**
 - 2' x 2' tile – Cut tile in half along one axis.
 - 2' x 4' tile – Cut 12" from edge along 2' axis and discard smaller piece.

- 2' x 2' **FORMAT LOUDSPEAKER**
 - 2' x 2' tile – No cutting required.
 - 2' x 4' tile – Cut tile in half along 2' axis.

! Steps 2-3 – Required only if using conduit clamp fitting *other than what is provided* with product.

2. Loosen, but do not remove screws on cover plate; push up and remove plate from assembly.

3. Remove cable /conduit clamp fitting from plate; Install UL Listed metallic enclosure entry fitting for plenum cable or flex whip.



4. Feed supply cable through whip to connector.

Make connections per wiring diagrams below; insulate all unused taps from each other, the enclosure and electrical ground.

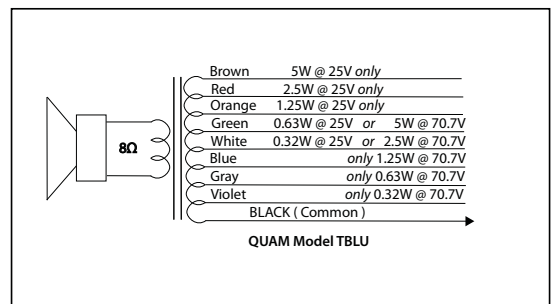
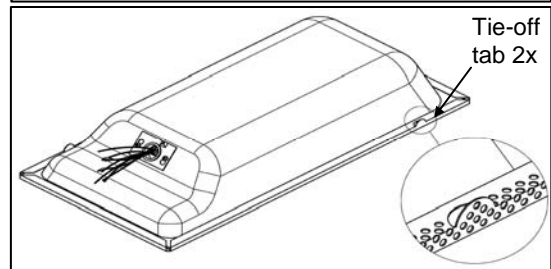
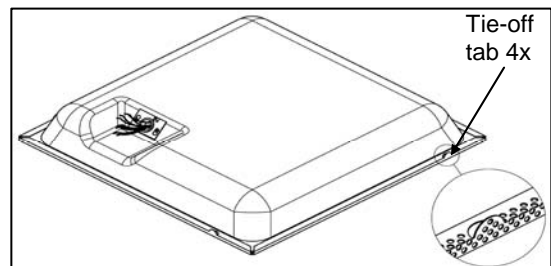
When cover plate is secured, all connections / splices and unused leads must be inside of the enclosure.

5. Place assembly onto ceiling grid, install 24" T-bar trim piece where required (furnished only with specific 1'x2' formats).

NOTE! AHJ/ local codes may require tie-off to structure. Bend up tie-off tabs as shown in illustration and install as directed.

NOTE! AHJ/ local codes may require tie-down to grid. Recommended fasteners; *not supplied.* Erico/Caddy part ATA4i and 1/4"-20 x 2" bolt, or equivalent. Install as directed.

6. Place remaining ceiling tile into opening as required.



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