

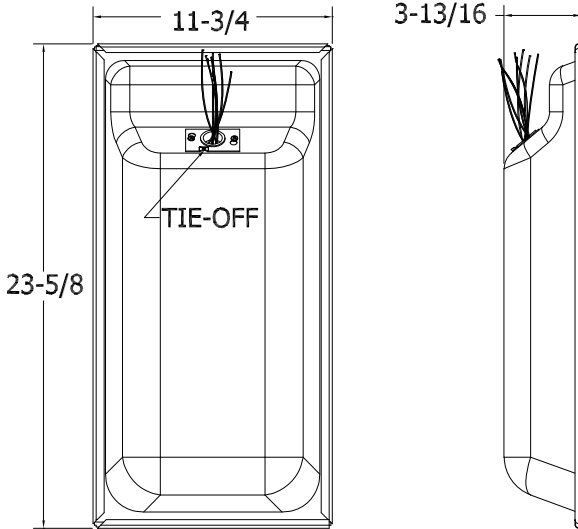


# Quam

## SYSTEM 14

### Tile Replacement Loudspeaker Assembly Extended Frequency Response

#### 0104.5 - LAY-IN CEILING MOUNT (TILE REPLACEMENT)



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LOUDSPEAKER ASSEMBLIES

#### GENERAL DESCRIPTION

The QUAM SYSTEM 14 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; one 24" white "T" bar supplied to finish edge.  
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 14
Black	Order as SYSTEM 14/B

#### AUDIO SPECIFICATIONS:

Average Sensitivity	95 dB-SPL, 1W/ 1M
Loudspeaker Power Rating	20W-RMS, EIA 426A Standard
Calculated Maximum System Output	105dB-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, jumper select, tinned wires, pre-cut

Recommended construction sequences, installation instructions and A&E Guide Specs are available in various formats in the 'A&E Resources Section' at: [www.quamspeakers.com](http://www.quamspeakers.com)

#### Quam-Nichols Company

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**(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:**

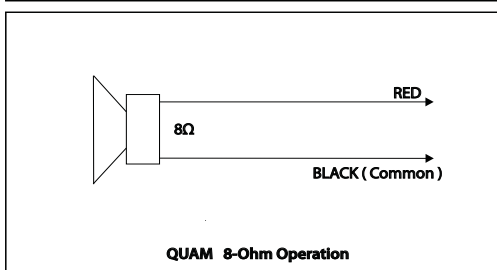
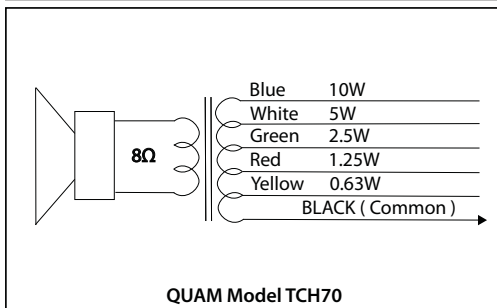
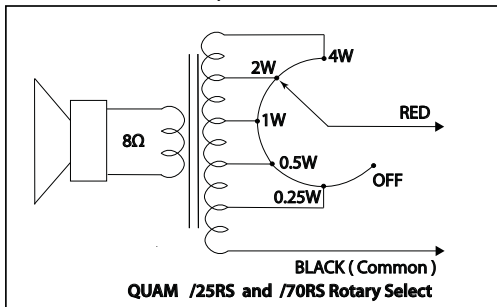
- 1' x 2' **FORMAT LOUDSPEAKER**
  - 2' x 2' tile – Cut tile in half along one axis.
  - 2' x 4' tile – Cut 12" from edge along 2' axis and discard smaller piece.

- 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.

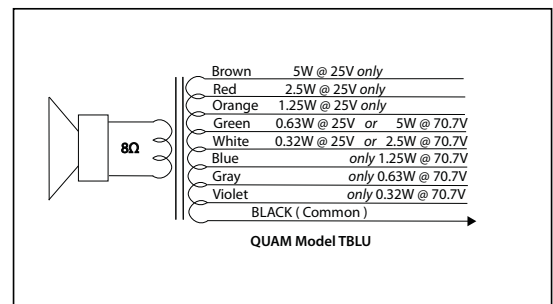
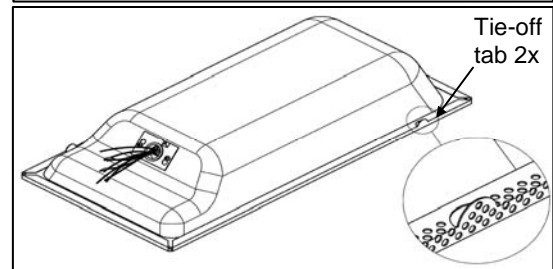
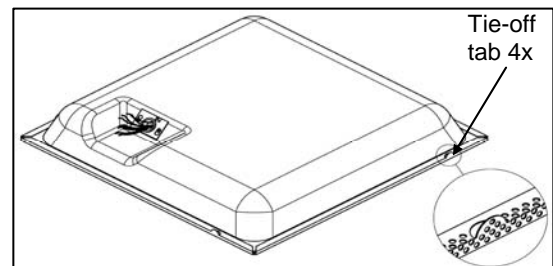
When cover plate is secured, all connections / splices and unused leads must be inside of the enclosure.

**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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