



# Quam

## SYSTEM 20

Aluminum Raised Tread Plate Pattern Baffle,  
2-Way, Full Range, 70.7V, Rotary Select

## SYSTEM 20/B

As above, Black Epoxy Hybrid finish

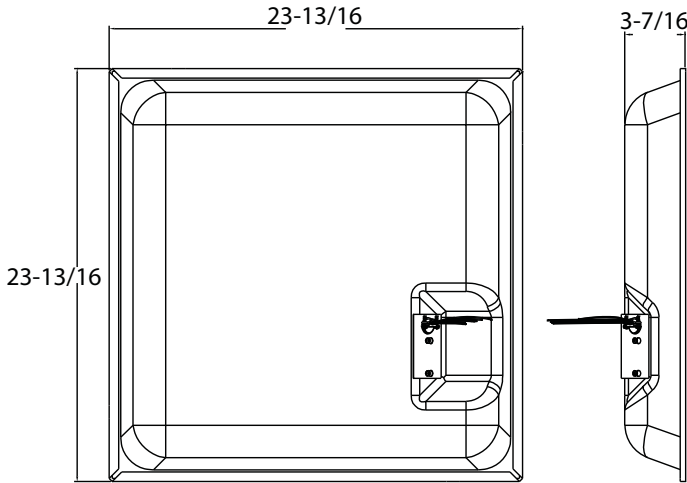
## SYSTEM 20/W

As above, White Epoxy Hybrid finish

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

01

LOUDSPEAKER ASSEMBLIES



#### GENERAL DESCRIPTION

The QUAM SYSTEM 20 is a complete 2-way loudspeaker assembly with a 6-1/2" O.D. woofer and 1" dome tweeter, 20W-70.7V, low loss, extended frequency response rotary select transformer, aluminum tread plate baffle, and integral molded fiber enclosure. Finishes: 'Bright aluminum', baked epoxy hybrid over raised tread plate pattern.

#### INTENDED USE

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

#### SYSTEM COMPONENT

|             |   |
|-------------|---|
| Transformer | 20W*, 70.7V rotary select with OFF position |
|-------------|---|

\*20W, 10W, 5W, 2.5W, 1.25W

#### FINISH OPTIONS

|                 |                      |
|-----------------|----------------------|
| Bright Aluminum | Order as SYSTEM 20   |
| Black           | Order as SYSTEM 20/B |
| White           | Order as SYSTEM 20/W |

#### AUDIO SPECIFICATIONS:

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Average Sensitivity              | 91 dB-SPL, 1W/ 1M                 |
| Loudspeaker Power Rating         | 30W RMS, EIA 426A Standard        |
| Calculated Maximum System Output | 104dB-SPL, 20W / 1M               |
| Frequency Response               | 60Hz - 20 kHz EIA 426A Standard   |
| Nominal                          | 100° Included angle, -6dB         |
| Coverage Angle                   | 2 kHz, half space                 |
| Audio Connection                 | 7" long, color coded tinned wires |

Recommended construction sequences, installation instructions, A&E Guide Specifications, [EASE .GLL / .CF2 files](#), are available on the web at: [www.QuamSpeakers.com/Resources/A&EResources](http://www.QuamSpeakers.com/Resources/A&EResources)

#### 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](mailto:neednow@qnc.com) [www.quamspeakers.com](http://www.quamspeakers.com)



**(1' x 2') SYSTEM 18 – includes 8-Ohm and /25RS versions**  
**(2' x 2') SYSTEM 20 – includes 8-Ohm and /25RS 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.

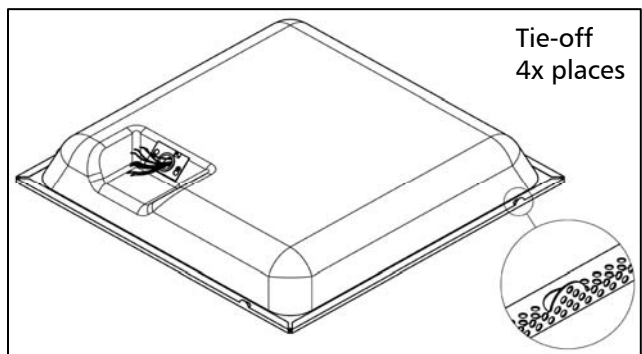
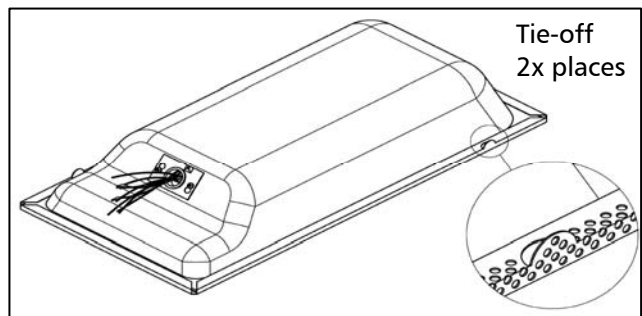
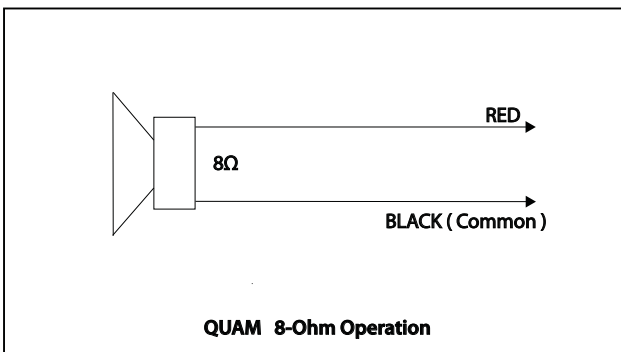
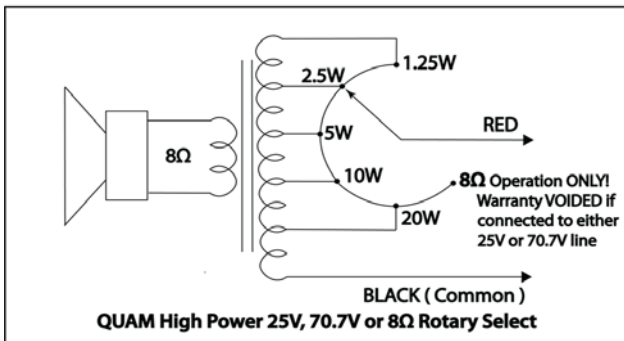
When cover plate is secured, all connections / splices and unused leads must be inside of the enclosure.

**5. Place assembly onto ceiling grid,** install 24" T-bar trim piece, where required (furnished only with specific 1' x 2' 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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