



Quam

SYSTEM 19

70.7V, Rotary Select, 2-Way, Full Range
Ceiling Tile Replacement Loudspeaker

SYSTEM 19/8

8-Ohm, 2-Way, Full Range
Ceiling Tile Replacement Loudspeaker

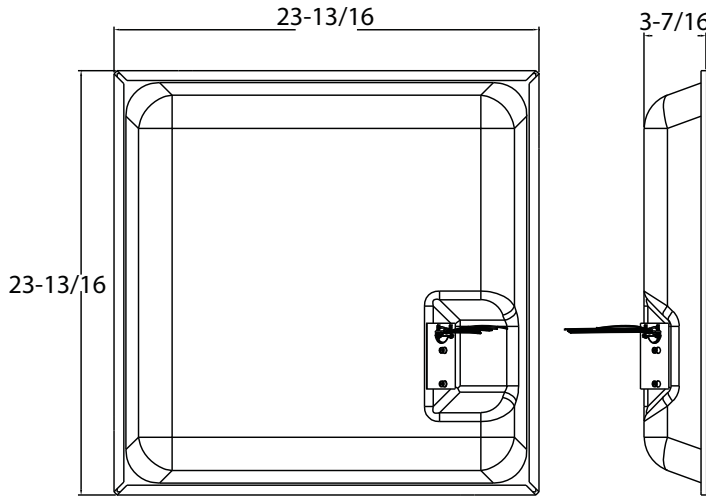
SYSTEM 19/25RS

25V, Rotary Select, 2-Way, Full Range
Ceiling Tile Replacement Loudspeaker

0104.5 - LAY-IN CEILING MOUNT (TILE REPLACEMENT)

01

LOUDSPEAKER ASSEMBLIES



SYSTEM 19
Shown

GENERAL DESCRIPTION

The Quam SYSTEM 19/x is a complete, 2-way extended frequency response loudspeaker assembly with perforated steel baffle, and integral back box.

Impedance options described below
Finish options: White or black baked epoxy hybrid.

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 COMPONENTS

LF Speaker	150mm (6") diameter frame, polypropylene cone, butyl surround
HF Speaker	25.4 mm (1") diameter Mylar dome
SYSTEM 19 (70.7V Transformer)	20W, 5 taps at -3 dB levels * by rotary select switch
SYSTEM 19/25RS (25V Transformer)	20W, 5 taps at -3 dB levels * by rotary select switch
SYSTEM 19/8 8-Ohm	30W-RMS
Special Finish option	Black only, Order as SYSTEM 19/xx/B

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

AUDIO SPECIFICATIONS:

Average Sensitivity	91 dB-SPL, 1W/ 1M
Loudspeaker Power Rating	30W RMS, EIA 426A Standard
Calculated Maximum System Output	104 dB-SPL, 20W / 1M
Frequency Response	60 Hz - 20 kHz (All versions) EIA 426A Standard
Nominal Coverage Angle	100° Included angle, -6dB 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&E Resources](http://www.QuamSpeakers.com/Resources/A&EResources)

Quam-Nichols Company

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

(2' x 2') SYSTEM 19, 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.

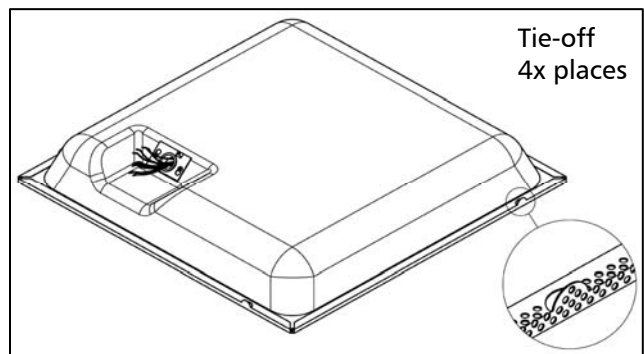
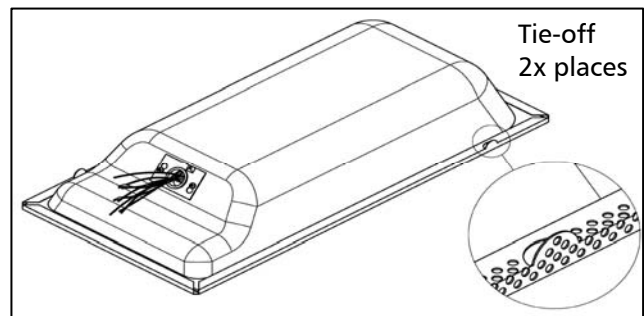
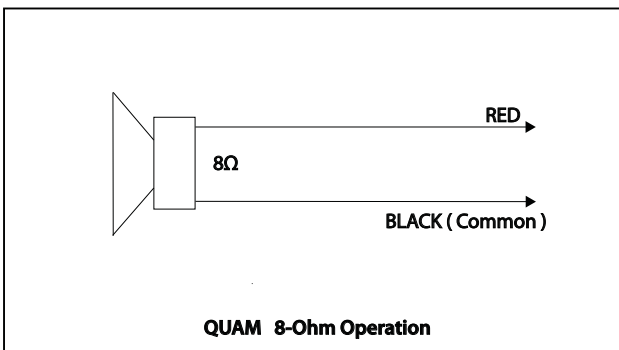
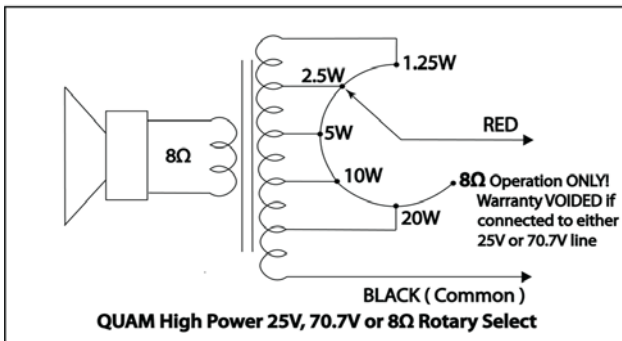
When cover plate is secured, all connections / splices and unused leads must be inside of the enclosure.

5. Place assembly onto ceiling grid, install 24" T-bar trim piece, not supplied, to finish a cut 2' x 4' tile.

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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