

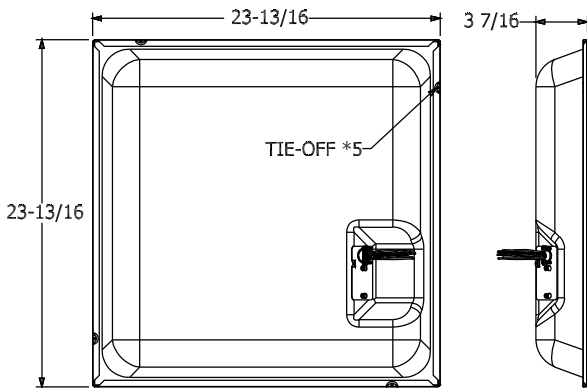


Quam

SYSTEM 12

Complete 2' x 2' class UL Listed Speaker System
Sealed and tuned enclosure, 25V/70V color coded leads

TILE REPLACEMENT LOUDSPEAKER ASSEMBLY



GENERAL DESCRIPTION

The SYSTEM 12 Series is a complete shallow depth, lightweight loudspeaker assembly with an 8" O.D. loudspeaker with concentric mount hard fiber HF cone, multi-tap transformer, perforated steel baffle and integral molded 1,411 CID fiber enclosure. Cable clamp is included; five (5) seismic tie-off points. No assembly required. Grille finish: Baked epoxy hybrid

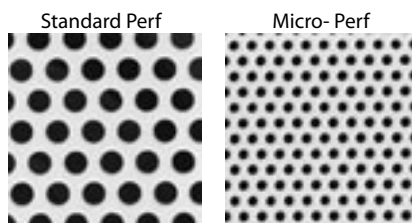
SYSTEM COMPONENTS

Loudspeaker	8C5PAX
Transformer	25V/70V 5W-5 tap color coded leads (5W, 2.5W, 1.25W, 0.63W, 0.31W)

MODELS

GRILLE OPTIONS

SYSTEM 12	Standard Perf White
SYSTEM 12/B	Standard Perf Black
SYSTEM 12/MP	Micro-Perf White*
SYSTEM 12/MP/B	Micro-Perf Black*



Shown as 1" square samples

ACCESSORY

Kit #112	One 24" "T"-bar, white. Use with 2' x 2' Tile Replacement Loudspeaker in a 2' x 4' ceiling tile
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AUDIO SPECIFICATIONS

Average Sensitivity	92 dB-SPL 1W/1M
Loudspeaker Power Rating	12W-RMS EIA 426A Standard
Calculated Maximum System Output	99 dB-SPL 5W/1M
Magnet Type	4.8 oz. BeFe Ceramic
Frequency Response	65 Hz-17 kHz EIA 426A Standard
Nominal Coverage Angle	100° included angle -6 dB/ 2 kHz half space
Audio Connection	Pre-cut 7" color-coded leads

INTENDED USE

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

UL Listed 1480- (UEAY, UEAY7- Canada)

As a **General Signaling** device- When installed with supplied installation instructions and requirements of NEC /AHJ.

CITY of CHICAGO ★ APPROVED

Material and construction permits use where ceiling plenum is part of the air handling system.

* These products have not been submitted to UL or City of Chicago

Recommended construction sequences, installation instructions and A&E Specifications, EASE .GLL / .CLF data files are available in various formats in the QUAM Architects' and Engineers' Resources section on the web at: www.QuamSpeakers.com

QUAM-NICHOLS COMPANY

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(1' x 2') SYSTEM 5 includes 8-Ohm, /25RS versions and /70RS versions

(2' x 2') SYSTEM 12 includes 8-Ohm, /25RS versions and /70RS versions, **SYSTEM 19**– includes 25RS and /70RS 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.

UL Listed 1480

City of Chicago * Approved

"Material and construction permits use where ceiling plenum is part of the air handling system"

Type G– General Signaling



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.

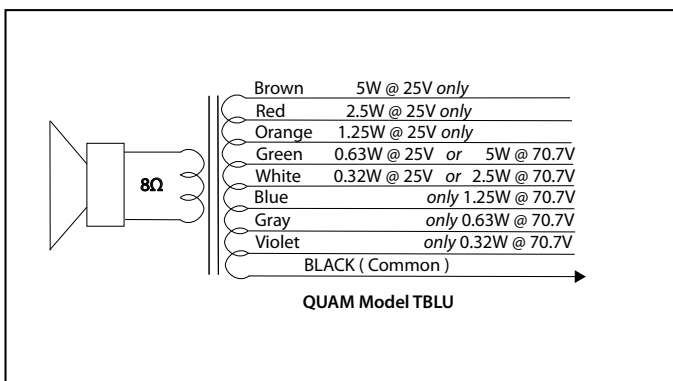
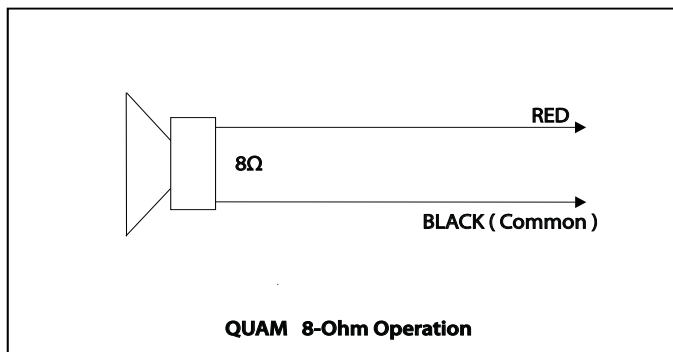
2' x 2' FORMAT LOUDSPEAKER

2' x 2' tile – No cutting required.

2' x 4' tile – Cut tile in half along 2' axis.

! Steps 2-3 only– Required 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 lower left below; insulate all unused taps from each other and enclosure.

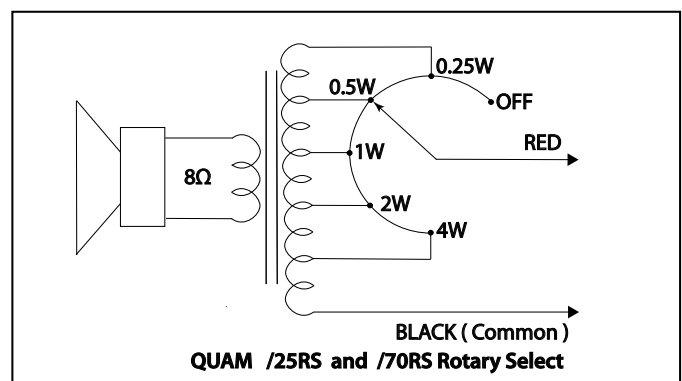
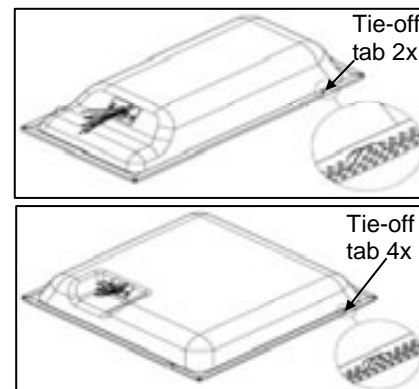
When cover plate is secured, all connections / splices and unused leads must be inside of the enclosure.

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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