

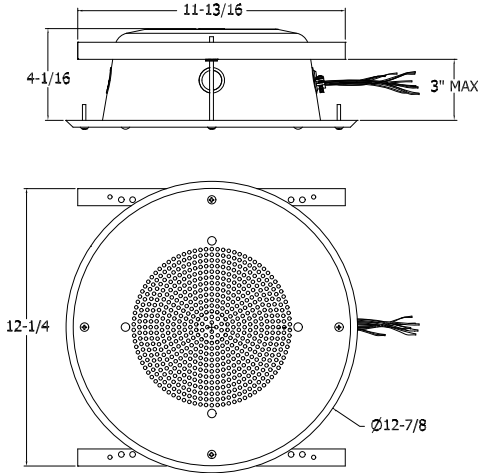


Quam

SYSTEM 21

8" Loudspeaker Assembly with Baffle, Back Can, Universal Transformer and Mounting Rails

0104.1 – INSTALLER PACKAGE For Blind Mount into Hard Ceilings



LOUDSPEAKER ASSEMBLIES 01

GENERAL DESCRIPTION

The QUAM SYSTEM 21 is a complete blind mount loudspeaker assembly with a 8" O.D. full range speaker, 5W-25/70.7V transformer, perforated 22 gage steel baffle, 16 gage steel back box and two blind mount clamps; used in ceiling structures up to 3 inches thick.
Finish: White baked epoxy hybrid.

INTENDED USE

Indoor environment
Program Material: Paging and background music

SYSTEM COMPONENTS

| | |
|-------------|-----------------------|
| Loudspeaker | 8C10PAX |
| Transformer | 5W*, 25/70.7V (TBLU) |
| Baffle | BR8W |
| Back Can | ERD8U, UL Listed-UUMW |

*5W, 2.5W, 1.25W, 0.63W, 0.31W

AUDIO SPECIFICATIONS

| | |
|----------------------------------|---|
| Average Sensitivity | 95 dB-SPL, 1W/1M |
| Loudspeaker Power Rating | 20W-RMS, EIA 426A Standard |
| Calculated Maximum System Output | 102 dB-SPL, 5W/1M |
| Magnet Type, Weight | BeFe Ceramic, 10 oz. Nominal |
| Frequency Response | 60Hz - 17 kHz EIA 462A Standard |
| Nominal Coverage Angle | 90° Included Angle, -6 dB / 2 kHz, Half space |
| Audio Connection | 7" color-coded pigtails, tinned and pre-cut |

Recommended construction sequences, installation instructions and A&E Specifications 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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SYSTEM 21- "Blind-Mount" Loudspeaker Assembly, 25V/ 70.7V operation

INTENDED USE:

Indoor environment, "blind-mount" installation into material up to 3" thick. **REQUIRES 5-1/2"** depth clearance from front mounting surface. **REAR ACCESS REQUIRED** to run audio signal wire; connections are made in the occupied space.

Program material: Signal tones, voice and music.

1. Preparation :

- CHECK clearance and access. Cut an 11-1/2" diameter, circular hole in the installation surface.
- Access audio signal wire through hole.

2. Termination:

- Install UL Listed metallic enclosure entry fitting into back can knockout to receive plenum cable, plenum whip or plenum cable.
- Feed supply cable through whip to connector.
- Make connections to Model TBLU transformer on loudspeaker per wiring diagram below; insulate all unused taps from each other, the enclosure and electrical ground.

3. Installation:

- Fig. 1-Verify that both of the support channels are near the end of each mounting screw.
- Fig. 2- Maneuver the support channels through the access hole
- Fig. 3- Center assembly within access hole and tighten the two mounting screws, thus drawing down support rails to rear of installation surface.

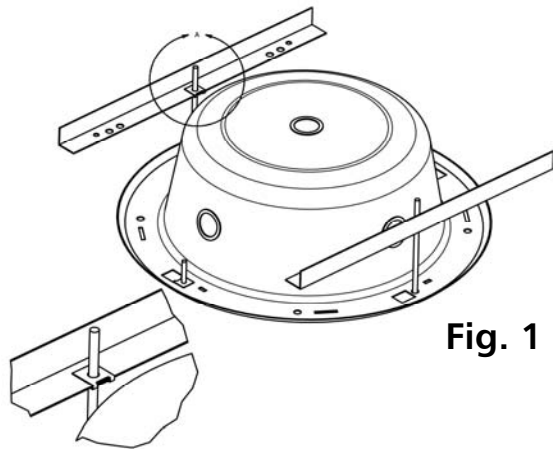


Fig. 1

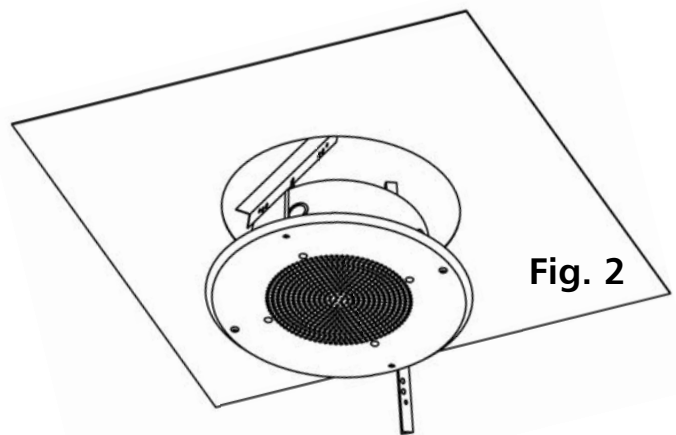


Fig. 2

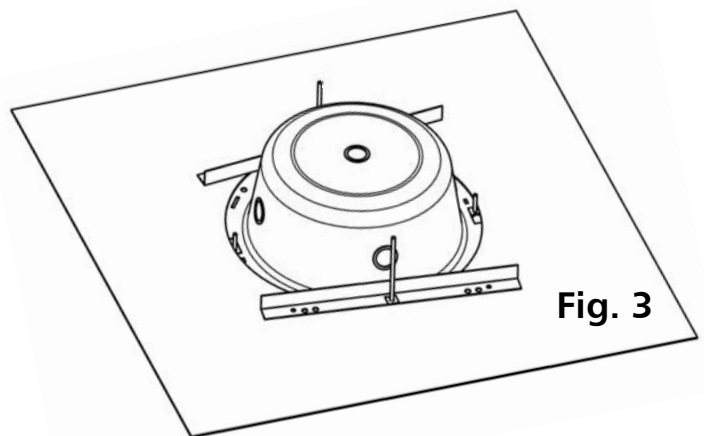
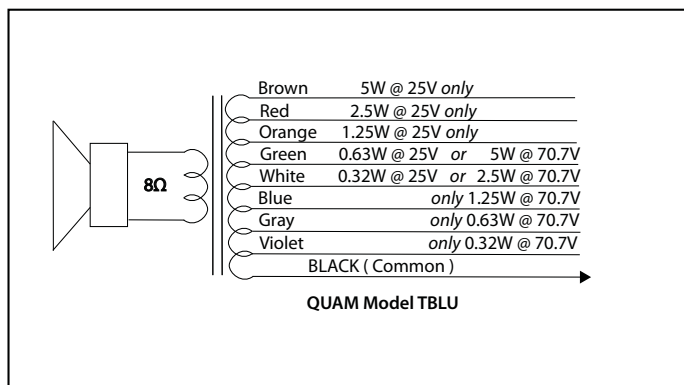


Fig. 3



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