ERD-8
ERD8U
Back Box / Mounting Device

0401.1—FLUSH MOUNTED, ROUND

4-1/4

Ø12-5/16
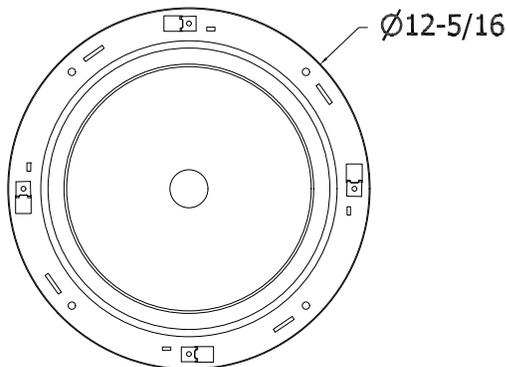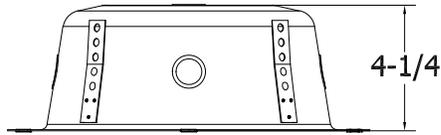
ERD-8 SHOWN

ERD8U Shown

GENERAL DESCRIPTION
The Quam ERD-8 or ERD8U is a round, steel loudspeaker back box. A circular, molded expanded polystyrene damping pad is fitted to the inside top of the enclosure. Finish: White baked epoxy hybrid.

INTENDED USE
Indoor environment.

UL Listed 1480- (UUMW) As a Fire Signaling Device: when installed in accordance with supplied installation instructions, requirements of NFPA 72, NEC and AHJ.

RECOMMENDED ADDITIONAL QUAM COMPONENTS
0402 - Loudspeaker Mounting Devices, SSB-2
0401.2 - Speaker, Transformer, Baffle & Volume Control
OR
0104.3 - Speaker, Transformer, Baffle & Universal Knob Control

MECHANICAL SPECIFICATIONS
Height	4-1/2"
Diameter (Flange Max)	12-5/16"
Bottom Diameter	9-3/4"
Top Diameter	8-1/2"
Internal Displacement	275 cu. in.

ATTACHMENT POINTS
	TOP	SIDE
ERD-8	--	4x welded
ERD8U	--	2x snap-in

ELECTRICAL ACCESS
	TOP	SIDE
ERD-8	1x	4x - 90° apart
ERD8U	1x	4x - 90° apart

All devices connect with twist-tabs to support bridge.

Recommended construction sequences, installation instructions and A&E Specifications are available in various formats on the Quam Architects' and Engineers' Resources CD or on the web at: www.quamspeakers.com

SIGNALING
UL
LISTED
TYPE F.G
91H1

RoHS Compliant

LU IBEW 1031

MADE IN CHICAGO
★★★★ Since 1930

TERD8_ERD8U_11OC04

ERD8 Series Back Can (UL Listed UUMW) intended for use with QUAM SSB-x Tile Bridge

INTENDED USE:

All versions: Indoor environment, COMPLETE ASSEMBLY AS SHOWN 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"

SIGNALING
(UL)
LISTED
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91H1

1. Preparation:

- Cut 8-1/2" square hole in the tile using tile bridge as a template.
  (Refer to specific tile bridge instructions for details)
- Bend up 4x horseshoe tabs on tile bridge
- Position tile bridge on TOP of tile, legs like: Λ
  Bend 8x locator tabs around tile in opening
- Install speaker /baffle on opposite of ceiling tile and fasten to tile bridge/tile assembly with 4x #8-32 screws provided with speaker/baffle assembly.

SNAP-IN TIE OFF STRAPS (2)

HORSESHOE TAB (4)

BACKBOX

BRIDGE
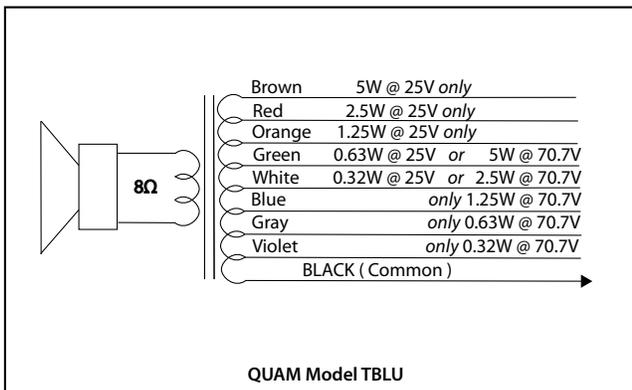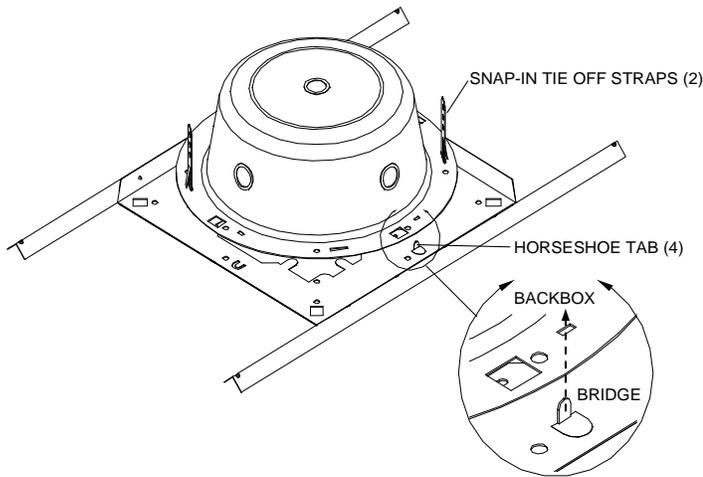
2. Termination:

- Chose entry point to back can and knock out either 1/2" or 3/4" as required
- Install UL Listed metallic enclosure entry fitting into back can knockout to receive plenum cable or plenum Whip.
- Feed supply cable through whip to connector.
- If transformer on assembly is listed as TBLU, install per wiring diagram below. For other QUAM transformers, go to **www.QuamSpeakers.com / Resources/ Wiring**
- Insulate all unused taps from each other, the enclosure and electrical ground.

3. Installation in grid:

NOTE! AHJ/ local codes may require tie-off to structure.

ERD8U Back Can Only: Snap in 2x tie-off tabs as shown in illustration at left.

- Orient back can over tile bridge, lining up slots with the 4x horseshoe tabs.
- With pliers, twist tabs 1/2 turn, securing back can to bridge assembly.
- Tie-off using straps on back can as required

NOTE! AHJ/ local codes may require tie-down to grid. Create a hole in the T-bar next to the end of the tile bridge rails; securing with wire through the hole in the end of the rail.

ERD-8 SERIES
(UL) LISTED

LOCATOR TABS (8)

SSB-2 BRIDGE

CEILING TILE

ALL COMPONENTS MUST BE USED and ASSEMBLED as shown to be U.L. COMPLIANT

Brown	5W @ 25V *only*	
Red	2.5W @ 25V *only*	
Orange	1.25W @ 25V *only*	
Green	0.63W @ 25V *or*	5W @ 70.7V
White	0.32W @ 25V *or*	2.5W @ 70.7V
Blue	*only* 1.25W @ 70.7V	
Gray	*only* 0.63W @ 70.7V	
Violet	*only* 0.32W @ 70.7V	
BLACK (Common)		

8Ω

QUAM Model TBLU