Quam UL22

Installation Instructions

CERTIFICATION

UL Listed 1480, 1480A (Type F, G):
UL Listed 2043:

ASTM E84:
CSFM Certified #7320-2288:0500:

When installed per supplied installation instructions and requirements of NEC/AHJ
Suitable for use in air-handling spaces. Material and construction permits use where ceiling plenum is part of the air handling system
Includes integral backbox that meets/exceeds flame and smoke test w/ 3hr. burn rating
Listed as speakers for use with separately listed compatible fire alarm control units

INSTALLATION INSTRUCTIONS

1. Cut ceiling tile as required:
   2' x 2' tile – No cutting required
   2' x 4' tile – Cut tile in half on 4' side

2. Install a 24" T-bar trim piece where required (not supplied).

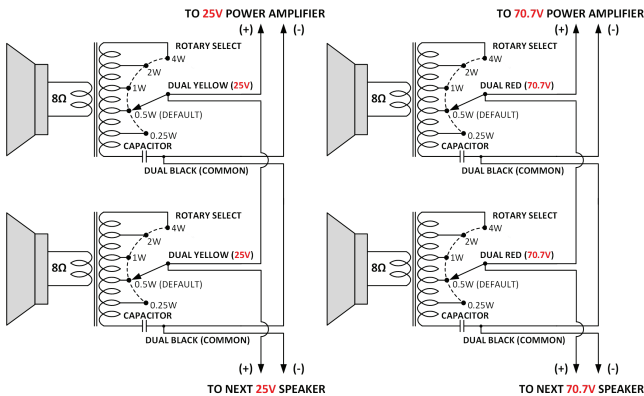> Required only if using conduit clamp fitting **other than what is provided with product.**
>
> a. **Loosen, but do not remove screws** on cover plate; slide plate to large keyhole position and lift plate from assembly.
>
> b. **Remove cable/conduit clamp fitting from cover plate;** Install UL Listed metallic enclosure entry fitting for plenum cable or flex whip.
>
> c. **Feed supply cable through whip to speaker wires.** Make connections per wiring diagram; Use appropriate connectors to meet any required codes.
>
> d. Replace cover plate and tighten cover plate screws. When cover plate is secured, all connections/splices must be inside of the enclosure.

3. Make the following field wiring connections:

a. Connect one common (BLACK) wire from the UL22 to the existing field wiring common wire. Use the second common (BLACK) wire from the UL22 to the next speaker common wire.

b. In 25 Volt systems, connect the positive (YELLOW) wire from the UL22 to existing field wiring positive wire. Use the second positive (YELLOW) wire from the UL22 to the next speaker positive wire.

   In 70 Volt systems, connect the positive (RED) wire from the UL22 to existing field wiring positive wire. Use the second positive (RED) wire from the UL22 to the next speaker positive wire.

c. Tighten screws on cable clamp.

d. Using the rotary selector, select the desired speaker tap power level.

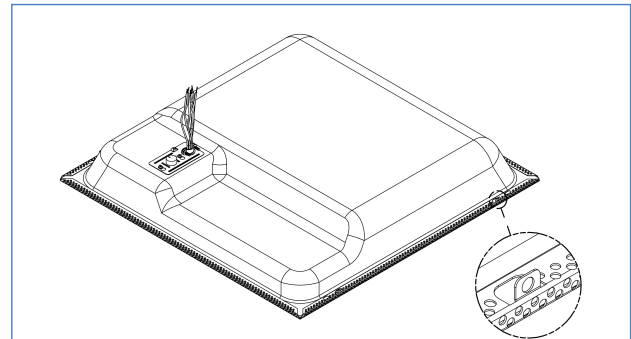| Voltage (VRMS)	Tap (Watts)	OSPL (dBA)
25	0.25	78.2
25	0.5	81.0
25	1	84.0
25	2	87.1
25	4	89.7
70.7	0.25	78.2
70.7	0.5	81.0
70.7	1	83.9
70.7	2	86.9
70.7	4	89.6

> **IMPORTANT:**
> • **Be sure to insulate all unused wires from each other, the enclosure, and electrical ground.**
> • **Use code compliant connectors for all field wiring connections.**
> • **Verify all code requirements with local AHJ before selecting connection method.**
> • **Do not modify factory applied finish.**
> • **Line supervision voltage must not exceed 150V**

4. Place assembly onto ceiling grid.

TIE-OFF TAB x 4

> **IMPORTANT:**
> • **AHJ/ local codes may require tie-off to structure. Bend up tie-off tabs as shown above and install as directed.**
> • **AHJ/ local codes may require tie-down to grid. Recommended fasteners (not supplied): Quam Kit #118 includes twelve (12) hold down clamps and twenty-four (24) self-drilling screws. Place clamp over tile grid support rail and edge of speaker assembly, insert two (2) screws into clamp and tighten.**

5. Place remaining ceiling tile into grid opening as required.