

WHELEN[®]

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Model WS15TEN

Speaker Assembly

Product Description

Mass Notification

For warranty information regarding this product, visit www.whelen.com/warranty

GENERAL-

Whelen Model WS15TEN is a 15 watt speaker assembly intended for use in personnel warning applications, where interior, flush-mounted ceiling installation is required.

The speaker consists of all metal construction. All exposed metal parts are plated, to eliminate corrosion. The speaker incorporates a high efficiency double re-entrant loudspeaker.

The WS15TEN comes with a round speaker grille, a round recessed enclosure and a mounting ring for 24" ceiling tile.

The speaker grille has a fine textured, white painted finish and includes four white mounting screws.

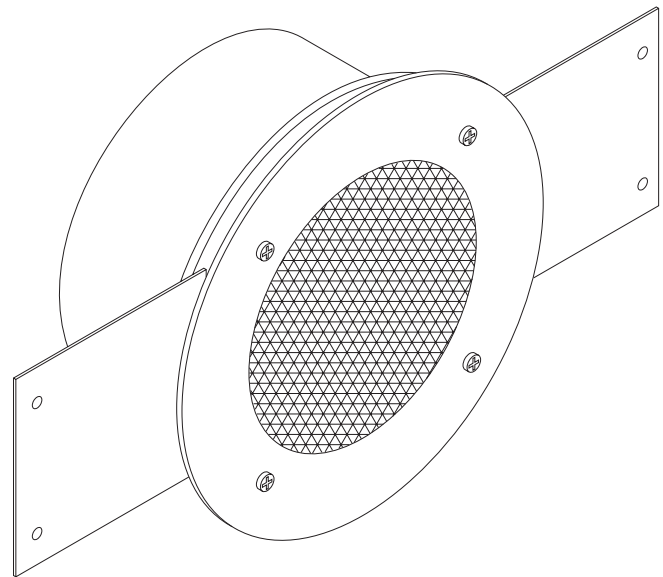
An internal multi-tap line transformer allows for output power level adjustment.

INSTALLATION-

The WS15TEN is shipped fully assembled. It must be partially disassembled to install and wire.

Determine the location of the speaker, typically at the center of a 24" ceiling tile. Remove the ceiling tile. Cut a 10" circle in the center of the tile.

Remove the four white screws from the grille. Separate the speaker/grille assembly from the enclosure/mounting ring assembly. Locate the enclosure/mounting ring assembly on the ceiling grid. Remove one of the 1/2" knock outs.

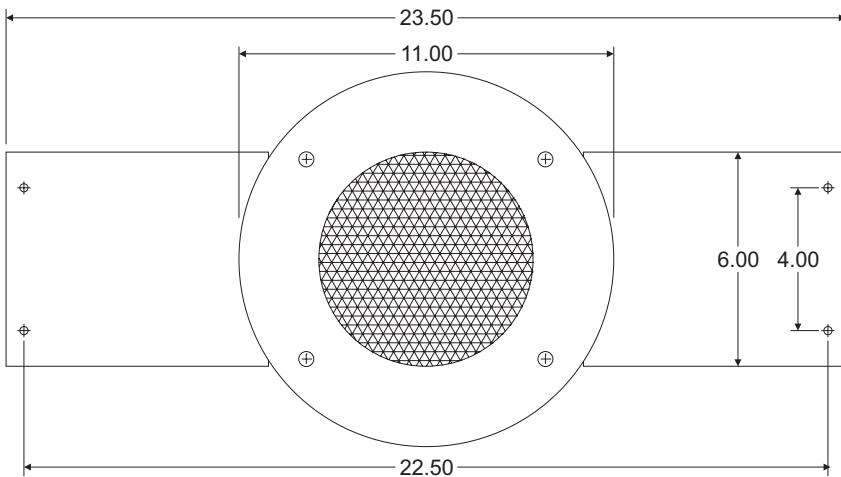


Install a conduit clamp and route the speaker wire into the enclosure. Re-install the ceiling tile under the enclosure/mounting ring.

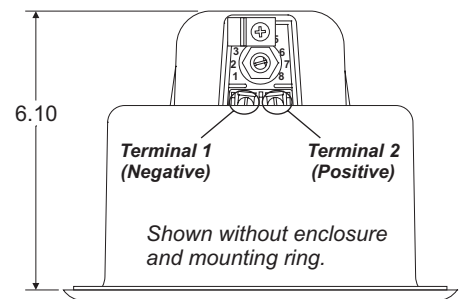
Connect the speaker cable to the speaker driver. Notice that the terminals are marked 1 and 2. Speaker connections are:

- Speaker (-) wire to Terminal 1
- Speaker (+) wire to Terminal 2

Select the output transformer setting. Re-install the speaker/grille assembly.



- Notes:**
1. Not for use in classified areas.
 2. SPL readings are ± 1dBA.
 3. Measurement based on Whelen Amplifier 01-0285564-00C.



WS15TEN SPEAKER ASSEMBLY

PRODUCT SPECIFICATIONS

Dimensions of enclosure

Height: 8" (20.3 cm)
 Diameter: 10.5" (26.7 cm)
 Weight: 3.5 lbs. (1.6 kg)

(see drawing above for mounting ring)

Dimensions of grille

Diameter: 11" (27.9 cm)
 Height: .3" (.8 cm)

Finish

Grille: White, fine texture paint
 Enclosure: Black

Performance (at 4 feet, 500 Hz)

SPL:	Tap	Watts	dBA
	1	.24	90
	2	.48	93
	3	.95	95
	4	1.9	98
	5	3.8	101
	6	Do Not Use	
	7	Do Not Use	

Dispersion: 180°