FEATURES

- ✓ Low Profile design; only 65mm deep. Penetrates ceiling by only 53mm (with 12mm thickness ceiling tile)
- ✓ Designed to meet Australian Standard AS ISO7240.24
- ✓ Excellent speech intelligibility
- ✓ Tuned PA driver designed to meet the latest fire standards
- ✓ High quality speaker driver developed for BGM, paging and emergency warning applications
- ✓ Patented 3 way latching ensures a neat, sag-free installation
- ✓ Fitted with 4 way wire protect terminal for loop in, loop out wiring
- ✓ Fitted with cable restraint plate and flame retardant safety cover
- ✓ Fitted with supervisory capacitor for line monitoring
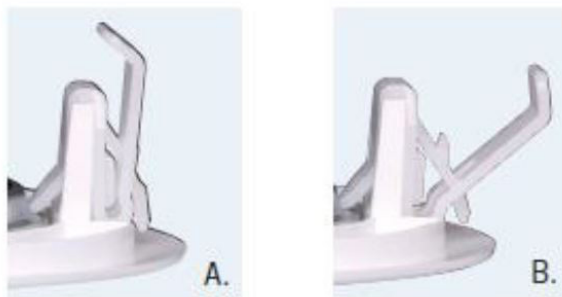- ✓ Assembled in Australia

PRODUCT DESCRIPTION

This range of speakers have been engineered to meet the requirements of evacuation and occupant warning paging systems. The high efficiency speaker and transformer combination ensures high SPL, wide frequency response, superior speech intelligibility and reproduction for mission critical applications. All components of the fixture are manufactured from high quality, long lasting, flame retardant material and tested to the rigours of the new standard. On site installation will be simple and straight forward. Oversized cable glands and terminal blocks will make on site termination easier than other competing products as the speaker will just 'snap fit' into the ceiling.

Engineered and manufactured to stringent specifications ensures maximum reliability under all operating conditions. Each driver has a power rating well above the max tapping of the transformer, ensuring reliable operation and longevity. A strict quality control procedure is employed during every step of the manufacturing process. Finally, every finished speaker is 100% QC checked prior to shipping.

Each custom designed speaker and transformer combination has been specifically engineered to ensure a wide frequency range and dispersion angle, plus a high sound pressure level (SPL) ensuring excellent music and speech intelligibility; which is critical for emergency paging applications. Each transformer is fitted with multiple power settings which are user selectable via taps on the transformer.

INSTALLATION

Speaker units install within seconds, providing substantial labour cost savings for the professional installer compared to traditional mounting methods.

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The "Rat-Trap" utilises a spring latching system. Each latch is set like a rat trap before installation into the speaker hole (A.). When the speaker is pushed into the ceiling, the latches spring open, securing the speaker in place (B.).

The snap clip material is formulated to retain long service life strength and spring action, ensuring a firm, vibration free fit to either gyprock tiles, mineral fibre tiles or fixed gyprock ceilings.

These models are fitted with a 4 way wire protect screw terminal block suitable for loop in, loop out cabling. The cable can be secured to the in-built restraint plate and run through the safety cover cable glands provided. All ONESHOT® speakers are designed for fast installation due to the integral pressure clips which grip to the reverse side of the ceiling tile. They suit any 10-13mm ceiling tile, including gyprock, mineral fibre or fixed gyprock ceilings and provide a range of optional tile supports to minimise sag and vibration.

We recommend a speaker hole of 140mm. This is easily cut using the holesaw.

TECHNICAL SPECIFICATIONS

MECHANICAL

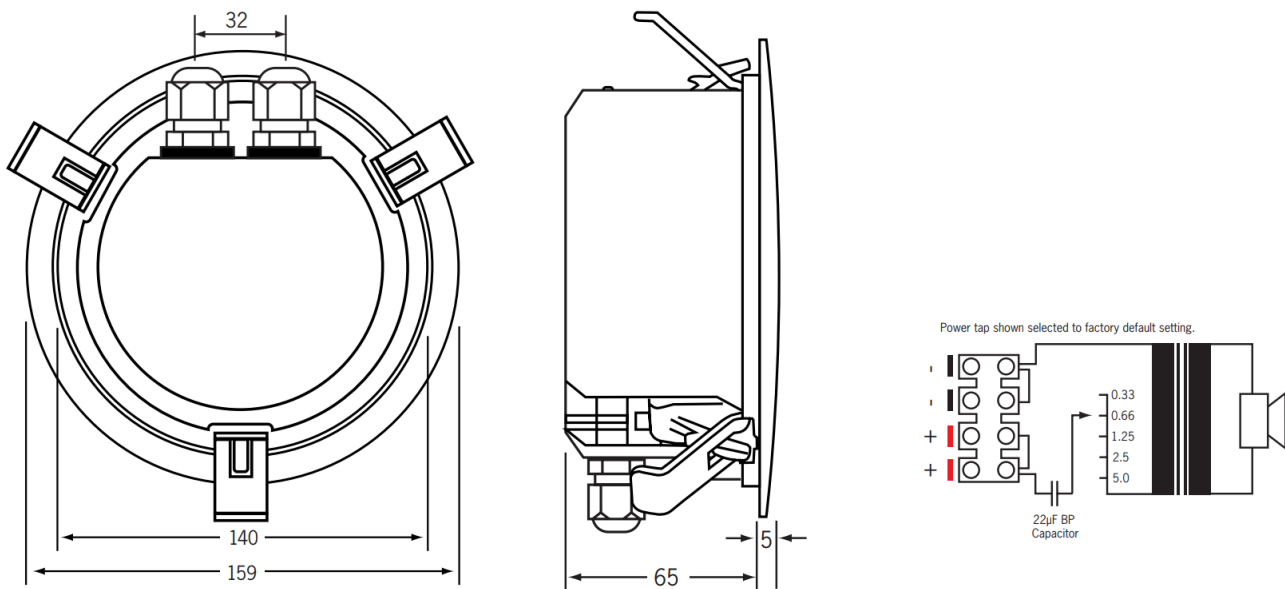| Material	White/black flame retardant ABS grill (Taitalac 8540T) Clear flame retardant ABS spring clips (Makrolon 6557) Red flame retardant ABS transformer dome cover (Starex VH-0800)
Driver construction	Paper cone
Ceiling cutout	140mmØ
Grill diameter	159mmØ
Mounting depth	65mm (including ceiling tile thickness)
Overall weight	710g

ENVIRONMENTAL

Operating temperature	-25ºC to 55ºC
Relative humidity	< 95%
IP rating	IP23C

ELECTRICAL

Power taps	0.33, 0.66, 1.25, 2.5, 5W
Impedance	30kΩ, 15kΩ, 8kΩ, 4kΩ, 2kΩ
SPL 1W @ 1m	89dB
SPL 1W @ 4m	77dB
SPL 5W @ 1m	96dB
SPL 5W @ 4m	84dB
Frequency response	100Hz-15kHz
Coverage angles	1000Hz 180º, 2000Hz 160º, 4000Hz 75º
Connection	4 way terminal block +22uF bipolar capacitor
Approval	AS ISO7240.24
Environmental type	A (for indoor applications)

DIMENSION & TRANSFORMER DETAIL

APPROVALS

- ✓ This speaker is approved to AS7240.24
- ✓ ActivFire certified - Listing No. afp-3428