



- 10W 100V Loudspeaker
- Size 6.5" (165mm)
- Quick Mount
- Shock-resistant Housing
- Ingress Protected to IP55C
- Firedome
- Ceramic Block Connector with Thermal Fuse
- High Efficiency
- Excellent Sound Quality
- Fully Certified to EN 54-24

The SPCF-10W-65-EN54 is a 10W 100V flush mount ceiling loudspeaker, which has a 6.5" (165mm) full-range chassis providing excellent sound quality with speech and background music, and which is certified to EN 54-24. The loudspeaker is fitted with a 100V transformer which has four power adjustment tappings of 10W, 6W, 3W, and 1.5W.



The SPCF-10W-65-EN54 has a powder coated metal chassis and grille, with the powder coated finish giving good long-term protection and resistance to corrosion. The loudspeaker is supplied with a rear fire dome, and its enclosure is ingress protection rated to IP55C.

Spring clamps provide quick and easy ceiling mounting, with a possible ceiling thickness of 2mm to 45mm. An inner ring attachment prevents the grille from falling. The 100V loudspeaker line cabling is connected to a two-pin ceramic block (maximum cable cross section is 8mm<sup>2</sup>), using rubber grommets. For additional reliability, a thermal fuse is fitted, and the loudspeaker chassis is damp-resistant.

Please note that, although very thin ceilings can be used as a mounting surface, it should be ensured that the ceiling thickness and strength are appropriate to the weight (1.48 kg) of the loudspeaker, and to the thickness and weight of the 100V line loudspeaker cable.

As standard, the loudspeaker is coloured to match RAL9010 'Pure White'. Alternatively, the loudspeaker can be supplied in any four-digit RAL or NCS colour, as a special order.

Enhanced Acoustic Simulator for Engineers (EASE) data for this loudspeaker is available on request.

	<p>Measurements according to IEC 60268-5 RoHS compliant (2011/65/EU) &amp; (2015/863/EU)</p>	<p>Loudspeaker for voice alarm systems for fire detection and fire alarm systems for buildings. Type A</p>
	<p>This product is designed and manufactured to comply with the following EC Directive for electrical and electronic equipment: 1) Low Voltage Directive (LVD): 2014/35/EU A 'Declaration of Conformity' statement, listing the applicable harmonised standards to which the equipment conforms, is available on request.</p>	<p>Rated voice voltage: 100V Rated voice/noise power: 10 W</p>
<p>WEE/JB1444YU</p>		<p>Failure to use the equipment in the manner described in the product literature will invalidate the warranty.</p>

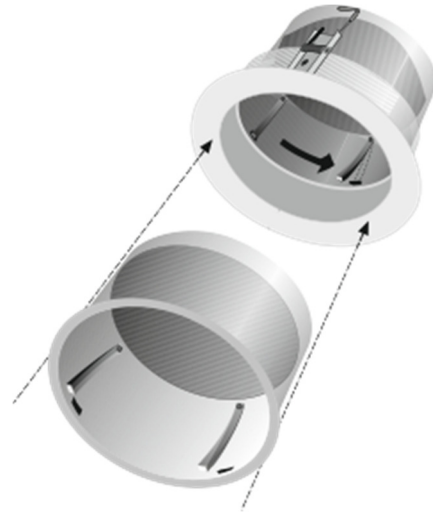
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## Installation

1. Check that the ceiling thickness is between 2mm to 45mm, with a thickness and strength which is appropriate to the weight (1.48 kg) of the loudspeaker.
2. The 100V audio power cable should have a maximum cable cross section of 8mm<sup>2</sup>, or a maximum cable cross section of 2 x 2mm<sup>2</sup> when daisy-chain wiring is used.
3. Make a ceiling cut-out of 198 mm diameter.
4. Separate the loudspeaker ring, fire dome, and loudspeaker grille and chassis assemblies.
5. Place the outer loudspeaker ring up into the ceiling cut out.
6. Reach through the loudspeaker ring, and release the spring clips to fix the loudspeaker ring in place. The spring clips should be released one at a time by pulling them back and to one side, away from their restraining hooks. The springs will clamp the loudspeaker ring into place in the ceiling. Be careful not to injure your hands, as the mounting springs are very strong.
7. Pull the audio power cable or cables down through the loudspeaker ring opening.
8. Take the fire dome. Lift the fire dome's three spring clips from their spring slots, and turn the springs to one side.
9. Push the audio power cabling through the rubber grommets in the rear of the fire dome.
10. Place the fire dome up into the loudspeaker ring. Note that the notches in the edge of the fire dome need to be aligned with the pop rivets in the ring, in order to be able to put the fire dome in position.
11. Hold the fire dome in position, turn each of the three spring clips back to their original position, into the spring slots. The three clips will now hold the fire dome in position in the loudspeaker ring.
12. Bring the loudspeaker grille assembly up to the ceiling, and connect the audio power cabling to the ceramic terminal block.
13. Mount the grille assembly into the loudspeaker ring. This is done by aligning the grille's three mounting slots with the three pop rivets in the loudspeaker ring. Push the grille into place, while turning it clockwise to engage the grille support notches. A hooked fixing tool is provided in order to facilitate turning the grille. Ensure that the hook is not placed more than 5mm from the outer ring, or else the loudspeaker cone may be damaged.



## Service and Warranty

This product carries a full warranty. For full details of warranty and service agreements, please contact the organisation which supplied the product to you.

### Exclusions

The warranty does NOT cover:

1. Customer misuse, including incorrect installation.
2. Abnormal environmental operating conditions.
3. Damage incurred by accident, fire, lightning or other hazard.
4. Modification to the unit or inexpert / attempted repair.
5. Any other damage (other than manufacturing defects).
6. Improper packing or transit / courier damage.
7. Over voltage audio power supply used.
8. No fault found.

Application Solutions (Safety and Security) Limited shall not be liable for any indirect, special or consequential loss or damage (including without limitation any loss of profits) arising from the use of this product or for any breach of this warranty.

In the interest of continual product development, Application Solutions (Safety and Security) Limited reserves the right to make changes to product specification without notice or liability.

