



- 50W 100V 2-Way Loudspeaker
- Size 6.5" (165 mm)
- Quick Mount
- Magnetic Fastening Grille
- Weatherproof to IP21C
- Firedome
- Rotary Switch Power Selection
- Excellent Sound Quality
- Fully Certified to EN54-24

The SPCM-25W-50-EN54 is a 50W 100V 2-way ceiling loudspeaker fitted with a firedome for voice alarm applications. It has a 6.5" (165mm) loudspeaker chassis with a high-quality tweeter providing excellent sound quality for speech and background music.



Certified to EN54-24, the speaker is fitted with a 100V transformer with four power level adjustment tapings of 50W, 25W, 12.5W and 6.25W, selectable using a rotary switch on the front of the speaker, behind the grille. Low impedance operation is also possible.

The sturdy metal Firedome housing in RAL 9016 guarantees long-term durability. For additional reliability, a thermal fuse is provided. The speaker is protected to class IP 21C and the speaker chassis is treated against damp. Easy installation is made possible through a simple screw mounting system. Using a magnetic fastening, the finely perforated speaker grille can be removed quickly for access to the power rating switch and the grille can be easily replaced by a different coloured grille, even after installation.

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 (3.75 kg) of the loudspeaker, and to the thickness and weight of the 100V line loudspeaker cable.

The loudspeaker is optionally available with a DC blocking capacitor fitted, in order to provide compatibility with DC loudspeaker line monitoring systems. The part number for this DC monitoring compatible version is SPCM-50W-65-EN54-DC.

EASE data is available for this speaker on request.

	<p>Measurements according to DIN IEC 268-5 RoHS compliant (2011/65/EU & 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</p>	<p>Rated voice voltage: 100V Rated voice/noise power: 50W</p>
<p>WEE/JB1444YU</p>	<p>A 'Declaration of Conformity' statement, listing the applicable harmonised standards to which the equipment conforms, is available on request.</p>	<p>Failure to use the equipment in the manner described in the product literature will invalidate the warranty.</p>
<p>This product must be disposed of in accordance with the WEEE directive</p>		

Installation

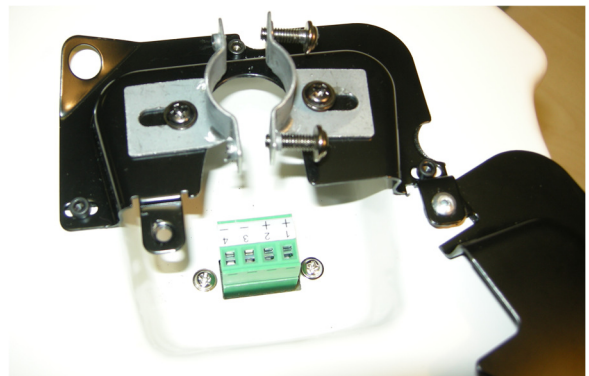
1. Check that the ceiling thickness is between 2mm and 45mm, with a thickness and strength which is appropriate to the weight of the loudspeaker (3.75 kg) and cables.
2. The 100V loudspeaker cable should have a maximum cross-section of 4.9mm², or a maximum cable cross-section of 2 x 4.9mm² when daisy-chain wiring is used.
3. Make a ceiling cut-out of 238mm diameter.
4. Separate the loudspeaker and magnetic grille assemblies and carefully place the speaker face down.
5. Undo the top plate screw, as shown, and swing the plate open to reveal the 4-way connector for "+" and "-" connections, as labelled
6. Slacken the screws on the horizontal cable clamp plates, then undo the horizontal cable clamp screws, as shown.
7. Pull the audio power cable or cables down through the ceiling opening.
8. Pass the audio power cabling through the cable clamp and fit it to the "+" and "-" terminals of the connector, as required.
9. Tighten the cable clamp until the cable is securely held, then tighten the horizontal cable clamp plate screws. A tether hole, suitable for use with cable ties, is provided on the top plate for additional security.
10. Swing the top plate closed and tighten the plate screw.
11. Turn the speaker over and use the slot in the rotary switch on the front of speaker to select the appropriate power or low impedance setting



12. Place the loudspeaker up into the ceiling cut-out
13. Use the four quick mount screw fittings to fix the loudspeaker chassis assembly securely to the ceiling
14. Fit the magnetic grille to the loudspeaker ring



Top view of loudspeaker – undoing top plate screw



Top plate swung away to reveal connector, with cable clamp undone ready to insert cable

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. Damage other than manufacturing defects.
3. Transit / Courier damage.
4. Incorrect voltage or power supply used.
5. Incorrect input signal.
6. Abnormal environmental operating conditions.
7. Damage incurred by accident, fire, lightning or other hazard.
8. Modification to the unit or inexpert / attempted repair.
9. No fault found – where no fault can be found after extensive testing, indicating user error or failure in ancillary equipment.
10. Electronic assemblies which are improperly packed when returned for repair or service. All electronics assemblies must be properly packed in ESD protective packing for transport to prevent physical and ESD damage.

Should any of the above apply, Application Solutions (Safety and Security) Limited reserves the right to raise any relevant charges to the customer.

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.