



**MS 50-165/T BLACK-EN54**  
2-way monitor speaker for Voice Alarm, 50W power,  
certified EN 54-24

Technical Data

|                            |                          |
|----------------------------|--------------------------|
| Colour                     | RAL 9005                 |
| Dimensions                 | 325x202x192 mm           |
| Dispersion -6dB, 500Hz     | 360° (h) 360° (v)        |
| Dispersion -6dB, 1KHz      | 200 °(h) 155° (v)        |
| Dispersion -6dB, 2KHz      | 110° (h) 120° (v)        |
| Dispersion -6dB, 4KHz      | 80° (h) 25° (v)          |
| Sensitivity EN54-24, 1W/1m | 84,8 dB                  |
| Sensitivity EN54-24, 1W/4m | 72,8 dB                  |
| Frequency Range            | 52 - 24.000 Hz           |
| Frequency Response         | 48 - 25.000 Hz           |
| SPL IEC268-5, 1W/1m        | 84,8 dB                  |
| SPL EN54-24, Pmax/4m       | 91,0 dB                  |
| Power                      | 50/25/12,5/6,25 (8ohm) W |



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### Mounting Instruction

1. Mounting on the wall is done using the three parts of the enclosed swivel bracket. One for the wall (A), one for the speaker (B) and one connecting piece (C).
2. Screw the mounting part (A) of the swivel bracket to the wall.
3. Screw the second mounting part (B) to the speaker.
4. Then join the two parts together via the connecting part and fasten with the enclosed screws (C).
5. Connect the loudspeaker cable to the screw terminal. To do this, remove the strain relief from the enclosed touch guard.
6. Place the terminal in the touch guard and lead the cable through the cable passage.
7. Screw the strain relief back on. Close the touch guard.
8. Plug the clamp onto the mating plug on the back of the speaker.

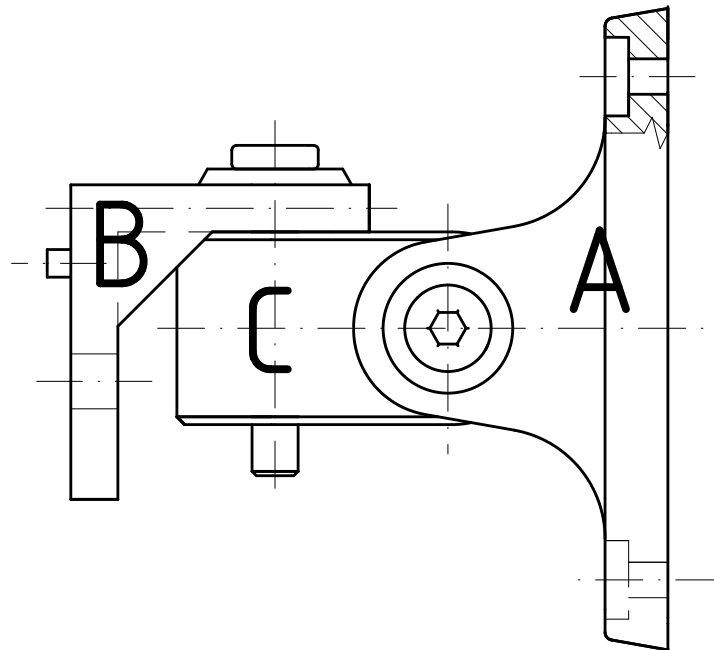


CE-Symbol according to 93/68EWG  
Measurements according to DIN IEC 268-5  
RoHS compliant (2011/65/EU)  
CPR compliance according 305/2011/EU

Loudspeaker for voice alarm systems for fire  
detection and fire alarm systems for buildings  
ic audio GmbH, Boehringerstraße 14A  
68307 Mannheim, Germany

EN54-24:2008  
Ref. Nr.: 011-13  
ID-Code: SAA-LS11  
1438-CPR-0998

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TO MAKE PEOPLE LISTEN