

USER / INSTALLATION MANUAL

**FUSION**<sup>®</sup>

**MS-CL602**

2 WAY FULL RANGE  
IN-CEILING SPEAKERS



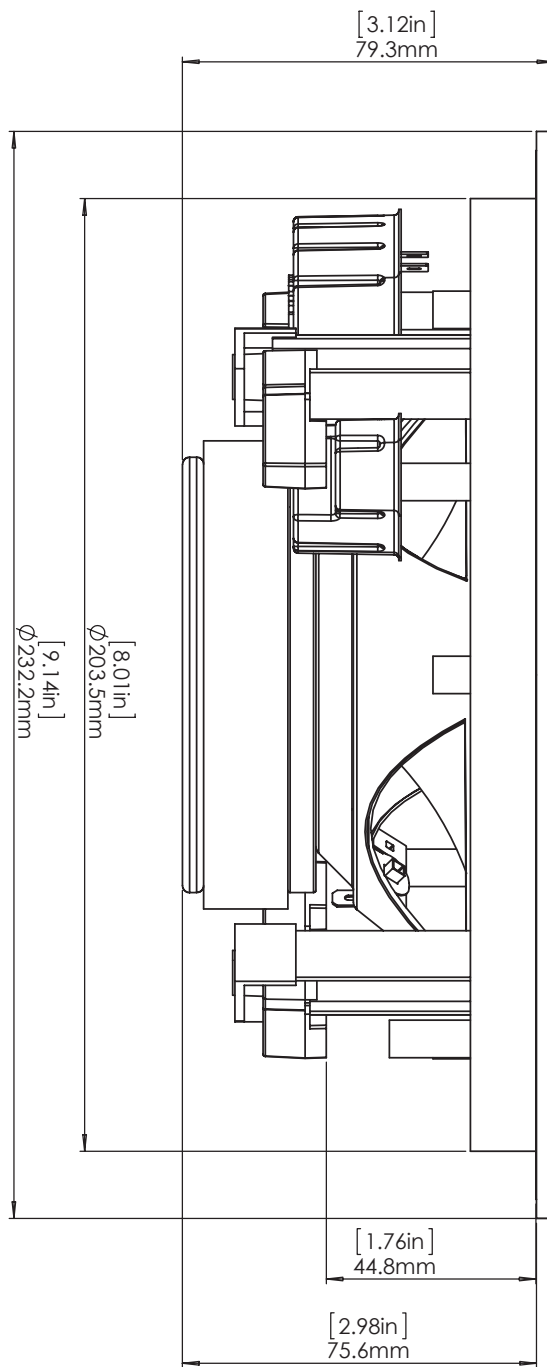
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## CONTENTS OF THE BOX:

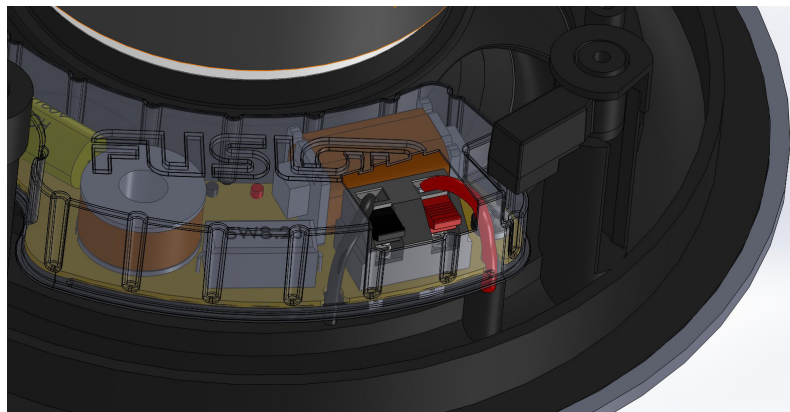
- 2 x MS-CL602 In-Ceiling Speakers
- Mounting Template
- Manual
- Warranty Card

## SPECIFICATIONS

Woofer Size:	165mm	6.5"
Cone Material:	Polypropylene with Rubber Surround	
Tweeter Size:	25mm	1"
Tweeter Type:	Silk Dome	
Peak Power (watts):	120	
Rated Power (watts):	40	
Efficiency (1W/1M):	89 db	
Frequency Response:	(-3dB / -10dB) 50Hz-20kHz / 85Hz - 20kHz	
Impedance:	6 Ohm	
Weight (Net):	1.65kg	3.6 lbs
<b>Dimensions:</b>	Speaker Diameter:	232.2mm 9-1/8"
	Depth (including Grille):	79.3mm 3-1/8"
	Depth (Excluding Grille):	75.6.3mm 3"
	Mounting Depth:	77.6mm 3-1/16"
	Hole cutout Diameter:	203.5mm 8"

## INSTALLATION GUIDE

1. Check mounting position for adequate space (see caution)
2. Trace mounting template onto ceiling, then proceed to cut the outline. **Important Note:** Prior to cutting any holes in the ceiling, check the plans for your vessel to locate any electrical cables running through the ceiling and ensure there is adequate space to mount the speaker flush.
3. Remove the protective cap and insert speaker wires into the positive and negative terminals (ensuring the correct polarity is observed), then replace protective cap.
4. Place speaker into the mounting hole, ensure that the mounting tabs are not protruding thus obstructing speaker placement.
5. Proceed to tighten screws whilst holding the speaker in place, as you tighten the screws the mounting tabs will rotate and grip to the ceiling, which will hold the speaker in place.
6. Affix magnetic grille to speaker frame, this does not require additional screws or adhesive.

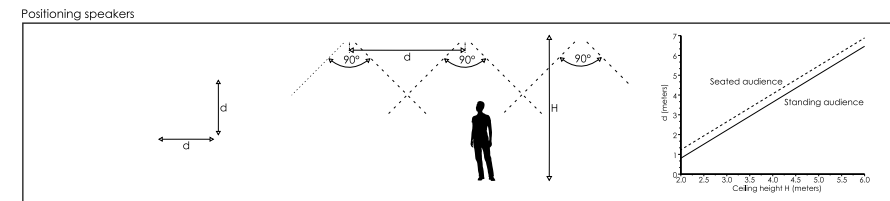


**CAUTION:** When tightening the screws on the MS-CL602 speakers please use a low torsion electric screwdriver or screw by hand.

## INSTALLATION TIPS

Any speaker will only perform to its best capabilities, when correctly placed in the listening area. FUSION Engineers recognise that unlike a home or motor vehicle installation, there are an extremely wide range of marine environments where speakers may be placed.

FUSION MS-CL602 speakers have a listening angle of 90 degrees



## TROUBLESHOOTING

Before you contact your FUSION dealer or service centre, FUSION requires that you do some simple troubleshooting to help diagnose or resolve the problem.

PROBLEM	SOLUTION
No Sound	Check all connections from the source unit/ amplifier to the speaker terminals are connected correctly.
System lacks in bass	Check the connections from the source unit/amplifier to the speaker. Check Polarity.
System lacks in high frequencies:	Check Polarity Check the bass / treble control settings on the source unit.
Distorted sound	Check all wiring Check that it is not the surrounding panels of the craft rattling. Check connections from the source to the speaker.