

# **FIREPROOF CEILING SPEAKER**

## **NVS-10230006CS**

### **User manual**

## INTRODUCTION

Thanks for using our speaker products. All our products are tested strictly before leaving the factory, with guaranteed quality. Our speakers are widely used in such places as schools, gymnasiums, square halls, parks, parking lots, railway stations, airports, villa communities and mall supermarkets, etc., and they will be your ideal choice for public address system. For better installation, commissioning and use of the product, please read this manual in detail before installation.

## PROFILE OF PRODUCT

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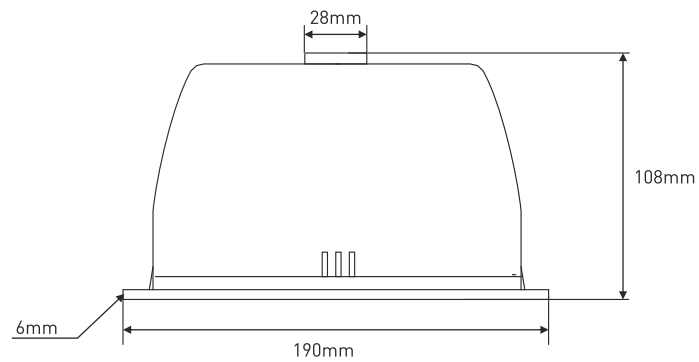
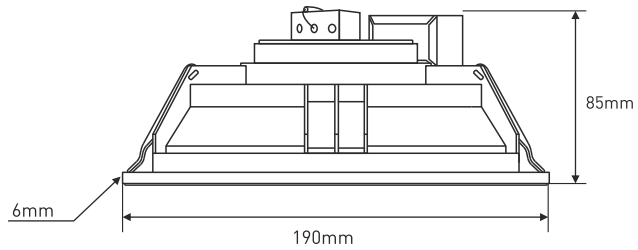
## PRODUCT FEATURES

- Ceiling Loudspeaker adopts the fashionable thin-edge plane big cylinder and the carbon alloy aluminum mesh design with the RAL white coating so as to integrate with any indoor place perfectly.
- Equipped with a 6.5 unit, full-range designed loudspeaker with magnetic circuit encapsulated with special engineering plastic process, and the drum paper formed with tripping and hot pressing of algae salvaged organisms, for the purpose of super-strong reproduction of voice and music.
- Equipped with fireproof Hood, enhance the protection of electric cable connection terminal.

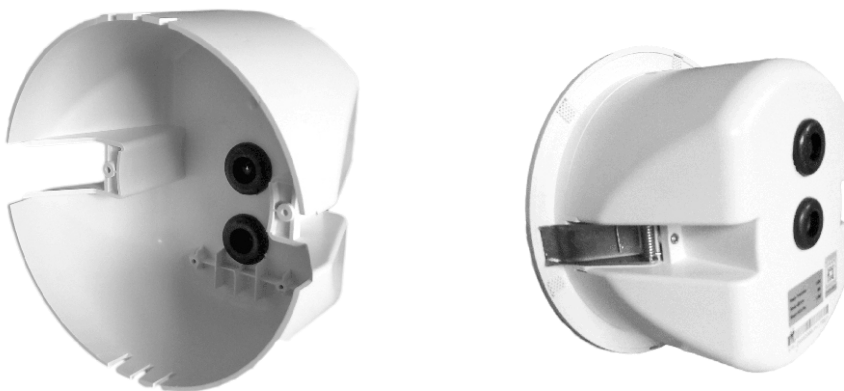
## QUALITY ASSURANCE

- Products designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards.
- It has also developed the Simulated Acoustical Feedback Exposure (SAFE) test to demonstrate that they can withstand two times their rated power for short durations.
- Emergency : According to BS 5839-8 According to EN 54-24
- CE : Declaration of Conformity
- Safety : According to EN 60065
- UL compliancy : According to UL 94 V 0

## PRODUCT INFORMATION



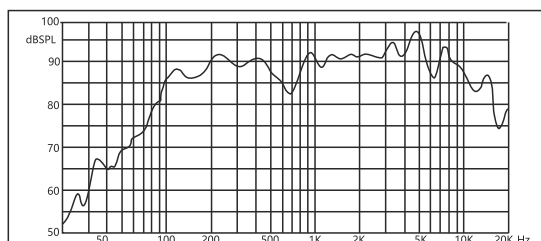
## BACK COVER AND REAR VIEW



## TECHNICAL PARAMETERS

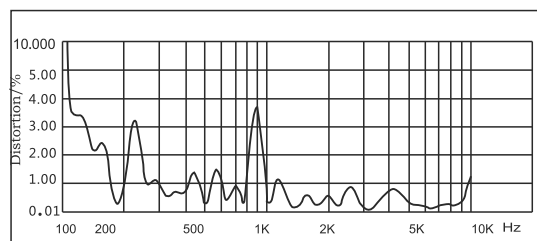
### FREQ. RESPONSE

(dB SPL, 1W, 1m)



### DISTORTION

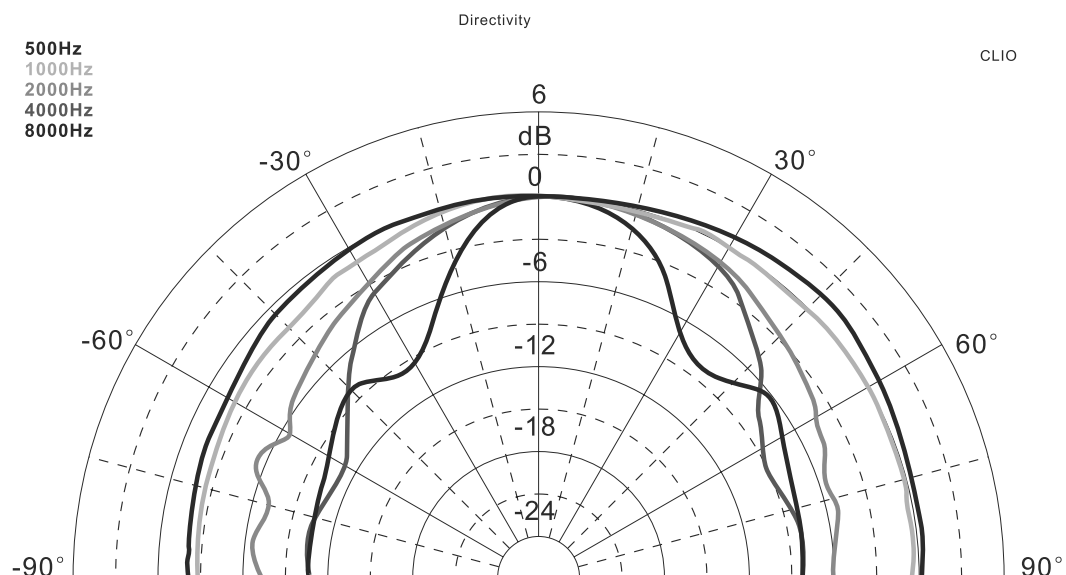
(THD < 1.5% 1W, 1m, 200Hz-10kHz)



## COVERAGE ANGLES

Dispersion on planes H, V and Table

Parameters	500Hz	1 KHz	2 KHz	4 KHz	8 KHz
Coverage Angles H and V (-6dB)	180°	180°	133°	87°	49°
Directivity Index Di (dB)	0.5	1.2	4.6	5.9	7
Directivity Factor Q	1.1	1.3	2.9	3.9	5



Ref 0 1/3 Octave

File:Dispersione orizzontale e verticale

<b>MODEL</b>	<b>NVS-10230006CS</b>
Standards	EN54-24:2008 Loudspeaker for voice alarm system for the fire detection and fire alarm system
Environmental Class EN54-24	Type A, Indoor places
Protection grade EN60529	IP21C
Ways/Speaker/Type	1 way, double cone full range $\phi 156\text{mm}$ , 100V system
Transformer	100V, 6W-3W-1.5W
In axis frequency response ( $\pm 7\text{dB}$ )	90-18000Hz
Sensitivity (@1m, 1W)	91dB SPL (200Hz-10kHz pink noise)
Coverage angle 1kHz(HxV)	180
SPL max (@1m, Pmax)	99dB (200Hz-10kHz pink noise)
Nominal power	6W
Impedance @ 1000Hz	180 $\Omega$ (6W), 310 $\Omega$ (3W), 940 $\Omega$ (1.5W)
Dimensions	$\phi 190\text{mm}$ -P=108mm
Hole diameter	$\phi 168\text{-}172\text{mm}$
Weight	1.0Kg
Material	Flame retarding ABS
Connections	Ceramic connector and thermal fuse

**Notes**

Reference axis: axis at the center of the grid and perpendicular to the surface of the grid itself.  
Reference plane on the surface of the grid and perpendicular to the reference axis.  
Horizontal / vertical plane. Passing through the reference axis perpendicular to the reference plane.