

Product Catalogue

Public Address System

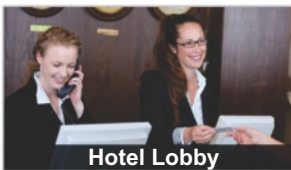
AiCo

intelligent solutions

PUBLIC ADDRESS SYSTEM



Typical Applications



CEILING SPEAKERS

AIS – C SERIES



SPECIFICATION:

Series	C
Power Taps @ 100V	1.5W, 3W, 6W
Power Taps @ 70V	0.75W, 1.5W, 3W
Impedance	Black: Com Red:6.7 KΩ Green:3.3KΩ White:1.7KΩ
SPL(1W/1M)	92dB
Max. SPL (Rated W/1M)	99dB
Frequency Response (-10dB)	130-13KHz
Finish	Baffle: Steel, White Grille: Steel, White
Speaker Driver	4" x 1
Cutout Size	155mm
Dimensions	180 x 50mm
Weight	0.7Kg
Mounting	Spring-clip

Features

- Built-in 100v/70v transformer
- In-ceiling type loudspeaker
- 4" speaker unit
- Power taps 1.5W, 3W & 6W @100V
- Metal enclosure and aluminum grille
- Paint in white color
- Metal back cover is optional
- Power Supply: 110/220V

Description

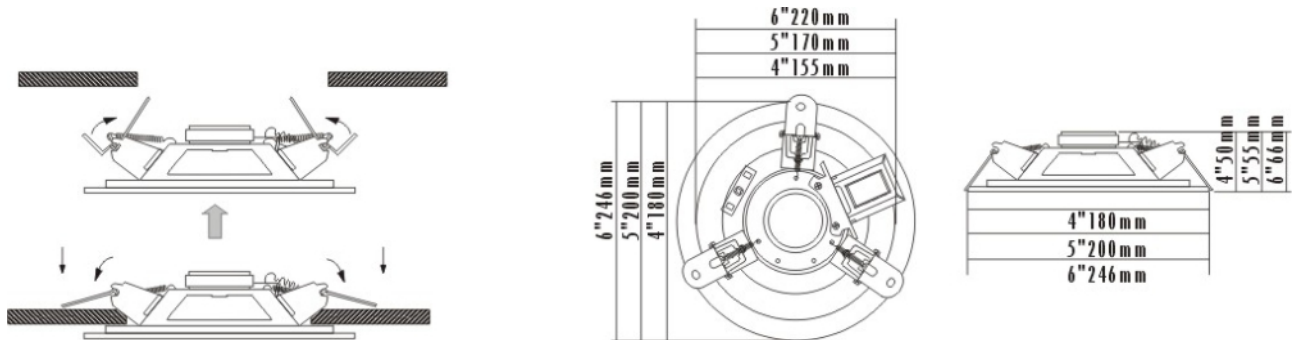
The C Series is a ceiling speaker built-in 70v/100v transformer. The 70v/100v transformer technique reduces line losses on longer distance and allows easy parallel connection of multiple loudspeakers.

The built-in 4" speaker driver is designed of wide frequency response 130-16KHz, the multiple power taps 1.5W, 3W & 6W are helpful for different applications varies from room size and ambient noise surroundings. The metal grille and aluminum grille are painted in attractive white color. Its spring clamp makes the easy and secure installation.

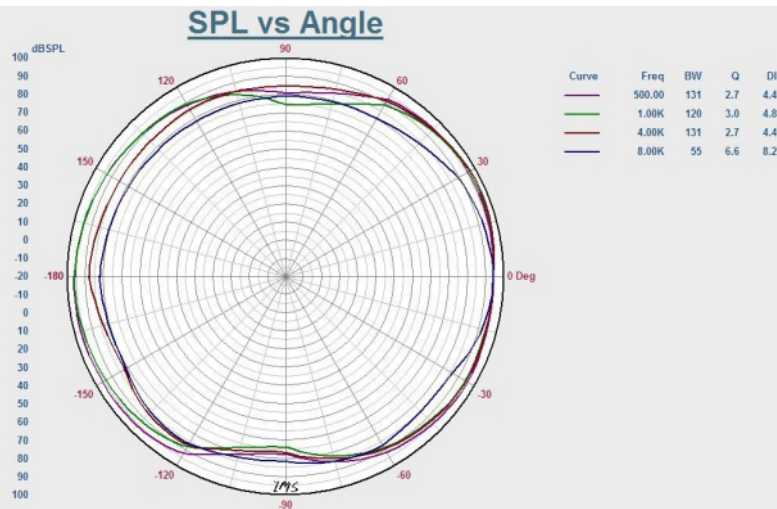
It is ideal choice for industrial and commercial applications in hotel, school, office and factory where background music and paging is needed.

* Models may vary from time to time due to continuous improvement in product design, features, technology and stability for a better user experience.

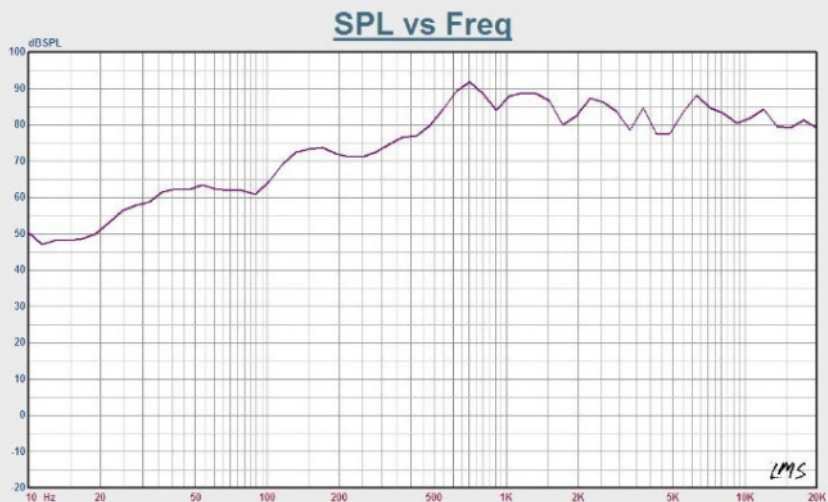
Appearance:



Direction Diagram:



Frequency Response:



CEILING SPEAKERS Fireproof

AIS – CF SERIES



SPECIFICATION:

Series	CF
Power Taps @ 100V	0.38W, 0.75W, 1.5W, 3W, 6W
Power Taps @ 70V	0.19W, 0.38W, 0.75W, 1.5W, 3W
Impedance	Com/26KΩ/13KΩ/6.7KΩ/3.3KΩ/1.7KΩ
SPL(1W/1M)	92dB
Max. SPL (Rated W/1M)	100dB
Frequency Response (-10dB)	130-18KHz
Finish	Baffle: Steel, White Grille: Steel, White Cover: Steel, Red
Speaker Driver	5" x 1 1.5" x 1
Cutout Size	157mm
Dimensions	180 x 147mm
Weight	1.2Kg

Features

- Built-in 100v/70v transformer
- In-ceiling type loudspeaker
- ICeramic connector, thermal fuse and fire-resistant cable
- 5" speaker unit
- Power taps 0.38w-0.75w-1.5w-3w-6w@100V
- Metal grille, metal baffle and fire dome metal back can

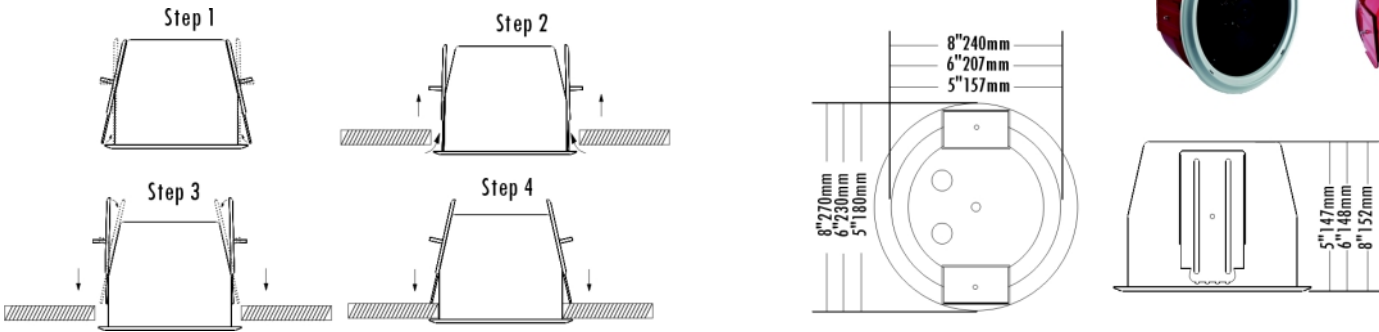
Description

The CF Series is a fireproof ceiling speaker built-in 70v/100v transformer. The 70v/100v transformer technique reduces line losses on longer distance and allows easy parallel connection of multiple loudspeakers.

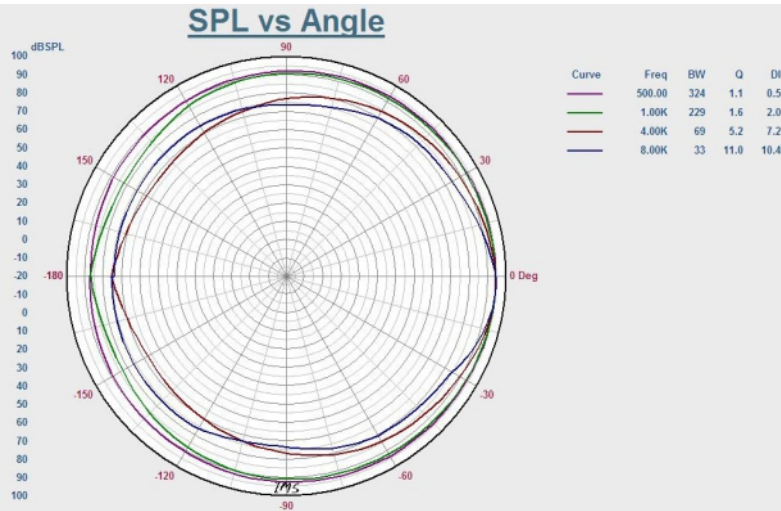
The built-in 5" speaker driver is designed of wide frequency response 130-18KHz, the multiple power taps 0.38W, 0.75W, 1.5W, 3W & 6W are helpful for different applications varies from room size and ambient noise surroundings.

The metal grille, metal baffle and fire dome metal back can plus ceramic connector, thermal fuse and fire-resistant cable, all of the above features make it is fireproof. Its spring clamp type makes the easy and secure installation.

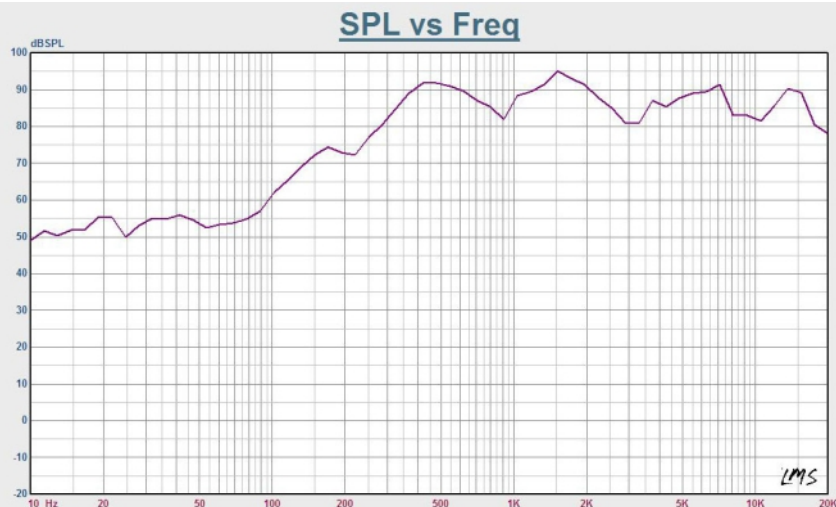
Appearance:



Direction Diagram:



Frequency Response:

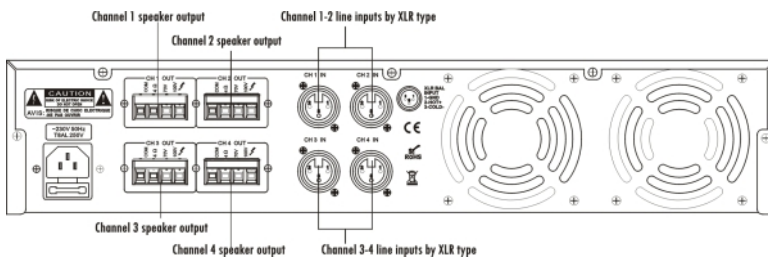


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POWER AMPLIFIER



3U Rear Panel



*1 and 2 Channel Amplifier also available

Features

- 4 separate amplifier into one chassis
- Rack mount amplifier in 2U and 3U types
- Rated power from 60W, 120W to 240W per channel
- 70V, 100V and 4-16ohm speaker outputs for each channel by phoenix types
- Isolated transformer for human safety operation
- Balanced XLR type line input for each channel
- Reliable protection of over heat, over load, clip & short circuit
- Indications for power, signal, peak, and protection
- Excellent device of radiator cooling fan that ensures working effectively

Description

The 4 channel power amplifiers are designed for commercial and industrial public address applications. With four separate amplifier in a single chassis and rated power ranges from 60W, 120W and 240W per channel which provides a wide selection to meet different size sound system needs. The amplifier is design of rack mount type and AIS - A60, AIS - A120 are in 2U height while AIS - A240 is in 3U height. Balanced line inputs by XLR types, 70V, 100V and 4-16ohm speaker outputs for each channel by phoenix types are convenient for installation when selection different speaker matching. Master volume controls for each control are included. Complete protection includes over heat, over load, clip & short circuit. Indications for power, signal, peak and protection.

SPECIFICATION:

Model	AIS - A60	AIS - A120	AIS - A240
Rated Power Output	4x60W	4x120W	4x240W
Speaker Outputs	70V, 100V & 4~16Ω		
Input Sensitivity & Impedance	±385mV/10KΩ, Balanced XLR connector		
Overload Electromotive Force	> 15dB		
Frequency Response	50Hz~16KHz(+1dB, -3dB)		
S/N Ratio	>90dB		
THD	Less than 0.1% at 1KHz, 1/3 rated power		
Crosstalk	<50dB		
Cooling	Fan automatically start up when temp reaches 55°C		
Protection	Over heat, over load, clip & short circuit		
Power Supply	~110V/60Hz or ~230V/50Hz or DC 24V		
Power Consumption	400W	720W	1500W
Weight	17.66Kg	21.9Kg	28.6Kg
Dimensions	484x448x88mm		484x449x132mm
Finish	Panel: aluminum plate Case: steel plate		

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WALL SPEAKERS 10/20 WATT



SPECIFICATION:

Model	AIS - W20	AIS - W40	AIS - W60
Power Taps @100V	20W	40W	60W
Power Taps @ 70V	10W	20W	30W
Impedance	90dB±3dB	91dB±3dB	92dB±3dB
ISPL(1W/1M)	Black-COM- Green-500Ω White-1KΩ	Black-COM Green-250Ω White-500Ω	Black-COM Green-167Ω White-330Ω
Max. SPL (Rated W/1M)	90-20KHz	90-20KHz	90-20KHz
Frequency Response (-10dB)	IPx6	IPx6	IPx6
Finish	105 x 75 x 280mm	105 x 75 x 480mm	105 x 75 x 680mm
Speaker Driver	2 x 3.5"	4 x 3.5"	6 x 3.5"
IP Rate	2.2Kg	3.9Kg	5.6Kg

Features

- Built-in 100v/70v transformer
- Weatherproof column type loudspeaker
- IP66 waterproof level
- 6×3.5" full range driver
- IPower taps at 60W @100V
- Aluminum enclosure & grille in white
- A pair of metal mounting brackets are supplied

Description

The W Series is a weatherproof outdoor column speaker built-in 70v/100v transformer. The 70v/100v transformer technique reduces line losses on longer distance and allows easy parallel connection of multiple loudspeakers.

The built-in 6units 3.5" full range speaker drivers are designed of wide frequency response 90-20KHz, the multiple power taps of 20 - 60W could meet different applications varies from room size and ambient noise surroundings.

The aluminum enclosure and grille are of white color. It is also designed of weatherproof and heavy damage proof finish. Easy and secure wall mount installation in outdoor area through the supplied pair of metal mounting brackets.

MICROPHONES Hand Held Wire



SPECIFICATION:

Model	AIS - MIC100D
Transduction Theory	Moving Coil
Acoustics Theory	PG(Pressure Gradient) Receiver
Adapterization Type	cardioid type
Frequency Response	50- 15KHz
Normal Impedance	600Ω
Sensitivity	-52dBV/Pa
Min Terminal Impedance	1000Ω
Connection Port	XLR-3
Forward to Back Resistance	>20dB
Weight	350g
Dimension	φ4.7x198mm

Features

- The kirsite structure is solid; the strong elastic steel mesh is strike-resisting without deformation.
- Special electroplating or baking finish technology is adopted, which resists corrosion by ethyl alcohol.
- Strong microphone cord with bending resistance and durable silent switches are allocated.
- Patent-type sound head and pipe body assembling are applied, which can be kept away from the glue.
- The sound head of the tone quality is upgraded comprehensively, which is specially designed for the high-end PA system (especially for the reverb plus post amplifier combination).
- The sound is pure and vigorous, which is specially developed for the PA environment.
- The high frequency and the magnetic sense.

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MICROPHONES

Conference Mic



SPECIFICATION:

Model	AIS - CTM100
Polar Pattern	Heart-shape
Type	condenser
Frequency	20Hz-18KHz
Output Impedance	75Ω, Balanced
Sensitivity	-40dB±2dB
dynamic range	109dB, 1KH at max spl
S/N rate	65dB 1KHz at 1 Pa
supply voltage	Two-segment5# phantom power 48v
Switch	electronic touch
Mic Length	410mm
Cable connection	8m double corn cables, 8.5mm XLR connector
Mic weight	0.78kg
base specifications(W x L x H)	114 x 140 x 37mm

Features

- The kirsite structure is solid; the strong elastic steel mesh is strike-resisting without deformation.
- Special electroplating or baking finish technology is adopted, which resists corrosion by ethyl alcohol.
- Strong microphone cord with bending resistance and durable silent switches are allocated.
- Patent-type sound head and pipe body assembling are applied, which can be kept away from the glue.
- The sound head of the tone quality is upgraded comprehensively, which is specially designed for the high-end PA system (especially for the reverb plus post amplifier combination).

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