

## Ceiling Speakers

# CS-3/6/12



### Features

- Full Range of 1 way speaker system (6 inch unit)
- Versatile
- Easy installation
- Excellent for public address applications

Spec	CS-3	CS-6	CS-12
Rated Power	3W	6W	12W
	COM	COM	COM
Impedance	3.3kΩ	1.7kΩ	800Ω
	5kΩ	4kΩ	1kΩ
	10kΩ	8kΩ	2kΩ
Frequency Response	250Hz-15kHz		
SPL (1W/m)	88dB	88dB	89dB
Weight	700g / 1.5lb	700g / 1.5lb	900g / 1.2lb
Perforated Size (ø)	195 ~ 200mm / 7.6 ~ 7.9in		
Dimensions (øxD)	230x100mm / 9 x 4in		

## Ceiling Speakers

# CS-20/30/80



### Features

- 2 Way speaker system (6"-2way coaxial type)
- Versatile
- Easy installation
- Excellent for public address applications
- Multi-tap switch offers an easy way to change taps on a transformer

Spec	CS-20	CS-30	CS-80
Rated Power	20W	30W	80W
	COM	COM	COM
Impedance	500Ω	330Ω	125Ω
	1kΩ	500Ω	250Ω
	2kΩ	1kΩ	500Ω
Frequency Response	200Hz-20kHz		
SPL (1W/m)	88dB	90dB	88dB
Weight	2kg / 4.4lb	2.5kg / 5.5lb	3.7kg / 8.2lb
Perforated Size (ø)	200 ~ 205mm / 7.9 ~ 8in		
Dimensions (øxD)	230x180mm / 9 x 7in		

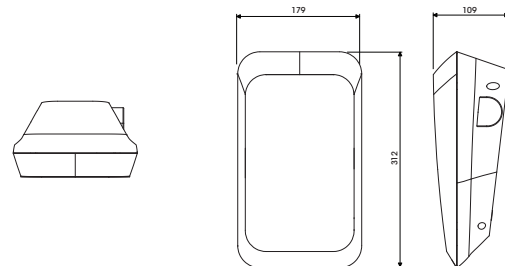
## Wall Speaker

# IWS-03/03A/10/10A(I/B)



### Features

- Stylish design
- Adapting high performance unit for sophisticated and rich sound
- Realizing the design with pursuing the modern sense
- Sound volume adjustable with attenuator (IWS-03A/10A)



Spec	IWS-03	IWS-03A	IWS-10	IWS-10A
Rated Power	3W	3W	10W	10W
	COM(Black)	COM(Black)	COM(Black)	COM(Black)
Impedance	3.3kΩ(White)	3.3kΩ(White)	1kΩ(White)	1kΩ(White)
	5kΩ(Green)	5kΩ(Green)	3.3kΩ(Green)	3.3kΩ(Green)
	-	(sw off, -12dB, -6dB, 0dB)	-	(sw off, -12dB, -6dB, 0dB)
Frequency Response	220Hz-12kHz	220Hz-12kHz	220Hz-12kHz	220Hz-12kHz
SPL (1W/m)	90dB	90dB	90dB	90dB
Weight	1.2kg / 2.6lb	1.2kg / 2.6lb	1.2kg / 2.6lb	1.3kg / 2.7lb
Dimensions (WxHxD)	179 x 312 x 109mm / 7 x 12.2 x 4.3in			

### Wall Speaker

## SWS-03/10(I/B)



#### Features

- SWS series offer a break from the conventional 'Box' speaker
- With either 3W or 10W 100V line versions available, these are the ideal choice for an office environments
- The SWS-03 and SWS-10 are available in an Ivory or brown color
- (A) means "with attenuator"

Spec	SWS-03	SWS-10
Rated Power	3W (Max. 6W)	10W
Impedance	COM(Black)	COM(Black)
	3.3kΩ(White)	1kΩ(White)
	5kΩ(Green)	2kΩ(Green)
	10kΩ(Red)	3.3kΩ(Red)
Frequency Response	200Hz-14kHz	160Hz-10kHz
SPL (1W/m)	93dB	91dB
Weight	1.1kg / 2.4lb	1.3kg / 2.9lb
Dimensions (W×H×D)	182 × 274 × 120mm / 7.2 × 10.8 × 4.7in	

### Wall Speaker

## WS-203(I/B)/210(I/B)/230(I/B)



#### Features

- Using high quality enclosure
- highly reliable Indoor speaker
- Convenient installation
- Favorable exterior design
- WS-203/210 : 1way SPK system (adapt SUB-CONE, 6" Full range)
- WS-230 : 2way SPK system (adapt DOME tweeter, 6" 2way)

Spec	WS-203	WS-210	WS-230
Rated Power	3W	10W	30W
Impedance	COM	COM	COM
	3.3kΩ	1kΩ	330Ω
	5kΩ	2kΩ	500Ω
	10kΩ	3.3kΩ	1kΩ
Frequency Response	137Hz-16kHz	136Hz-16kHz	126Hz-16kHz
SPL (1W/m)	91dB	92dB	93dB
Weight	1.1kg / 2.4lb	1.2kg / 2.6lb	2.3kg / 5lb
Dimensions (W×H×D)	315 × 183 × 102.5mm		315 × 183 × 124mm
	12.4 × 7.2 × 4in		12.4 × 7.2 × 4.9in