



Curved Microphone System

STS-K035-B / STS-K035-G-LH
STS-K035-B-RH / STS-K035-G-RH

This speech transfer system features individual speaker and microphone units for the customer-side. It includes our open duplex amplifier, a hearing loop, and a free-standing staff microphone and speaker unit. It is a low space solution ideal for a variety of environments, whatever the ambient noise conditions.

Components

- Speech Transfer Amplifier [STS-A31H]
- Half Bridge Bar Unit with Microphone [STS-B94-LH-B/G] [STS-B94-RH-B/G]
- Staff Loudspeaker Unit [STS-SU1-G/B]
- PS-55 Power Supply [PS-55-01]
- Counter Hearing Loop Aerial [IL-AE99]

Physical Data (boxed)

Dimensions	Height – 160mm (6.29") Width – 310mm (12.20") Depth – 300mm (11.81")
Weight	2.62kg (5.77lbs)
Construction	Mild Steel
	ABS Plastic
Finish	Grey Powder Coated Leatherette
	Black Textured Powder Coated

Applications

For use where one to one communication takes place at a counter or booth with a security screen:

- Banks
- Post Offices
- Ticket Kiosks
- Information Centres
- Airports

Physical and Technical Data (Individual Parts)

Component	Physical Data	Technical Data		
Speech Transfer Amplifier	Dimensions: Height - 116mm (4.57") Width - 115mm (4.53") Depth - 40mm (1.57") Weight: 100g (0.22lbs) Construction: ABS Plastic Finish: Matt Black Fine Texture	Supply Voltage	12-14 VDC	
		Quiescent Current	100mA typical	
		Operating Current	2A typical on speech peaks	
		Power Switch	Push on - push off (tact switch under membrane)	
		Microphones	Electret, supply 5V via 2.2K load resistor	
		Speaker Output Power	RMS: 2.5W / 8 Ω 4.4W / 4 Ω	
		Loop Drive Compliance	Constant current, bounded by 4V RMS & 2A RMS	
		Total Harmonic Distortion	<5% (loop and speakers)	
PS-55 Power Supply	Dimensions: Height - 93mm (3.66") Width - 49mm (1.93") Depth - 36mm (1.42") Cable length: 1.8m (70.87") Weight: 180g (0.39lbs) Construction: ABS Case Finish: Black	Input	100-240V 50-60Hz 1A max	
		Output	14V 2.14A 30W max	
Staff Loudspeaker Unit	Dimensions: Height - 370mm (6.30") Width - 95mm (2.76") Depth - 150mm (3.94") Weight: 820g (1.80lbs) Construction: Mild Steel Finish: Grey Powder Coated Leatherette Black Textured Powder Coated	Speaker	RMS	5W
			Impedance	4Ω
			Output	SPL 1W @ 1M 85dB
			Frequency Response	150Hz - 10300Hz
		Microphone	Directional Response	Cardioid
			Frequency Response	150Hz - 10500Hz
			Sensitivity	49.5dB+ 2dB @ 1kHz
			Impedance	1.6K Ohms+ 3-% @ 1kHz
Half Bridge Bar Unit with Microphone	Dimensions: Height - 240mm (9.44") Width - 280mm (11.02") Depth - 130mm (5.11") Weight: 757g (1.67lbs) Construction: Mild Steel Finish: Grey Powder Coated Leatherette Black Textured Powder Coated	Speaker	RMS	5W
			Impedance	4Ω
			Output	SPL 1W @ 1M 85dB
			Frequency Response	150Hz - 11000Hz
		Microphone	Directional Response	Cardioid
			Frequency Response	70Hz - 14000Hz
			Sensitivity	-67dB +/- 3dB @ 1kHz
			Impedance	1.6K Ohms +/- 30% @ 1KHz
Counter Hearing Loop Aerial	Dimensions: To be moulded on site to required size/ shape by installers. Weight: 100g (0.22lbs) Construction: Copper Wire with Black Protective Covering Finish: Black			

Standards

- Induction loop performance compliant with BS EN60118-4 (when correctly installed)

Legislation

Directive Number	Directive Title
2014/35/EU	Low Voltage Directive (LED)
2012/19-EU	Waste Electrical & Electronic Equipment (WEEE) Directive
(EU) 2015/863	RoHS III Directive