



Dual Overhead Speaker System

STS-K015-01

This speech transfer system features our recessed bridge bar with a glass mounted microphone for the customer side, a round based microphone for the staff side and two sealed overhead speaker modules. It also includes our open duplex amplifier and a hearing loop.

It is a low-space solution ideal for a variety of environments, whatever the ambient noise conditions.

Components

- Speech Transfer Amplifier [STS-A31H]
- Recessed Bridge Bar Unit [STS-B100-G]
- Flexible Gooseneck Microphone [STAFFMIC-01-NWB]
- Overhead Speaker x2 [STS-S22-G]
- PS-55 Power Supply [PS-55-01]
- Counter Hearing Loop Aerial [IL-AE99]

Physical Data (boxed)

Dimensions	Height – 130mm (5.11") Width – 380mm (14.96") Depth – 320mm (12.59")
Weight	4.08kg (8.99lbs)
Construction	Stainless Steel
	Mild Steel
	ABS Plastic
Finish	Grey Powder Coated Leatherette
	RAL 9006 Powder Coated Semi Gloss
	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

Standards

- BS EN 60118-4 in correct installations
- CE, ROHS and WEEE compliant
- EN 55032:2015 compliant
- EN 55103-2:2009 compliant

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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
Flexible Gooseneck Microphone	Dimensions: Diameter (base) – 70mm (2.75") Height – 340mm (13.38") Weight: 950g (2.09lbs) Construction: Mild Steel Finish: RAL 9006 Powder Coated	Directional Response	Cardioid
		Frequency Response	150Hz - 10500Hz
		Sensitivity	49.5dB+ 2dB @ 1kHz (0dB=1V/pa)
		Impedance	1.6K Ohms+ 3-% @ 1kHz
Recessed Bridge Bar Unit	Dimensions: Height – 330mm (1.69") Width – 400mm (15.7") Depth – 34mm (1.34") Weight: 516g (1.10lbs) Construction: Mild Steel Finish: RAL 9006 Powder Coated	Directional Response	Cardioid
		Frequency Response	70Hz - 10300Hz
		Sensitivity	-47 ±3dB @ 1kHz
		Impedance	680 Ohms +/- @ 1KHz
Overhead Speaker	Dimensions: Height - 70mm (2.76") Width - 100mm (3.94") Depth - 160mm (6.30") Weight: 640g (1.41lbs) Construction: Mild Steel Finish: Powder Coated RAL9006 Semi Gloss	RMS	5W
		Impedance	4Ω
		Output	SPL 1W @ 1m 85dB
		Frequency Response	150Hz - 10300Hz
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 PVC		