

STB. STS-K002-01

Window Intercom System and Hearing Loop



The STS-K002-01 Window Intercom System provides high quality sound across partitions and safety screens or similar communication barriers. The kit provides dual speaker and microphone units for both customer and staff and includes an under the counter hearing loop aerial.

It is suitable for environments with low ambient noise.

Components:

- › STS-A31H, Speech Transfer Amplifier
- › STS-M54, Surface Mounted Microphone x 2
- › STS-S60, Surface Mounted Speaker x 2
- › IL-AE99, Under the Counter Hearing Loop Aerial
- › PS-55, Power Supply

Physical Data (boxed)

Dimensions	Height – 5.11" Width – 13.38" Depth – 9.44"
Construction	Mild Steel
Finish Options	Black or Grey



Applications

Suitable for environments with low ambient noise such as:

- › Nursing or Retirement Homes
- › Hospitals
- › Reception Counters
- › Banks
- › Retail Stores
- › Ticket Kiosks

Standards

- › CE, ROHS and WEEE compliant
- › EN 55032:2015 compliant
- › EN 55103-2:2009 compliant

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Physical and Technical Data (Individual Parts)

Components	Physical Data	Technical Data	
STS A31H Hearing Loop and Duplex Audio Communication Amplifier	Dimensions: Height - 4.58" Width - 4.50" Depth - 1.58" Weight: 0.32lbs Construction: ABS Plastic Housing 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 & 3A RMS
		Total Harmonic Distortion	<5% (loop and speakers)
STS-M54 Mouse Microphone	Dimensions: Height - 4.33" Width - 2.36" Depth- 2.95"	Directional Response	Omni Directional
		Sensitivity	-42.5dB @ 1kHz
		Impedance	2K Ohms +/- @ 1KHz
		Frequency Response	100Hz - 5000Hz
STS-S60 Speaker Pod	Dimensions: Height - 4.33" Width - 2.36" Depth- 2.95"	RMS	5W
		Impedance	4 Ω
		Frequency Response	150Hz - 10300Hz
		Output	SPL 1W @ 1M 85dB
IL-AE99 Under the Counter Hearing Loop	Dimensions: To be moulded on site to required size by installer Weight: 0.19lbs Construction: Copper wire with PVC casing Finish: Black		
PS-55 Power Supply	Dimensions: Height - 1.42" Width - 1.93" Depth - 3.66" Cable length: 70.87" Weight: 0.51lbs Construction: ABS Case Finish: Black	Input	100-240V 50-60Hz 1A max
		Output	14V 2.14A 30W max