



STS-K009

Speech Transfer System and Hearing Loop



The STS-K009 Speech Transfer System provides high quality sound across partitions and safety screens or similar communication barriers. The kit includes our surface mounted entry unit for customer use. A call button on the the front of the unit alerts staff to the customers presence and opens a conversation channel. The staff side includes our all-in-one Staff Unit Speaker and Microphone.

Components:

- › STS-A31H, Speech Transfer System
- › BACK-BOX, Surface Mounted Entry Unit
- › STS-SU1, Staff Unit Speaker and Microphone
- › IL-AE99, Under the Counter Hearing Loop Aerial
- › PS-55, Power Supply

Physical Data (boxed)

Dimensions	Height – 4.72" Width – 25.19" Depth – 13.38"
Construction	Mild Steel
Finish Options	Black or Grey



Applications

Suitable for environments such as:

- › Nursing or Retirement Homes
- › Hospitals or Health Clinics
- › Reception Counters
- › Correctional Facilities
- › Public Transit
- › Distribution Centers

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	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	act 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)
BACK-BOX Surface Mounted Entry Unit	Dimensions: Height - 6.40" Width - 3.50" Depth- 2.48" Construction: Mild Steel Finish: Grey Powder Coated	Speaker	
		RMS	5W
		Output	SPL 1W @ 1M 85dB
		Impedance	4 Ω
		Frequency Response	100Hz - 11000Hz
		Microphone	
		Directional Response	Omni-Directional
		Frequency Response	100Hz - 5000Hz
		Sensitivity	-42.5dB @ 1KHz
		Impedance	2K Ohms +/- @ 1KHz
STS-SU1 St Speaker and Microphone	Dimensions: Height - 4.33" Width - 2.36" Depth- 2.95"	Speaker	
		RMS	5W
		Impedance	4 Ω
		Frequency Response	150Hz - 10300Hz
		Output	SPL 1W @ 1M 85dB
		Microphone	
		Directional Response	Cardioid
		Frequency Response	150Hz - 10500Hz
		Sensitivity	-49.5dB @ 1KHz
		Impedance	1.6K Ohms+ 3-% @ 1KHz
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