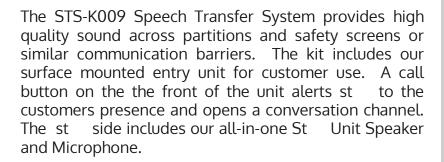
• STS-K009

Speech Transfer System and Hearing Loop





Components:

- > STS-A31H, Speech Transf
- > BACK-BOX, Surface Mounted Entry Unit
- STS-SU1, St aker 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	
		Supply Voltage	12-14 VDC
	Height -4.58" Width - 4.50" Depth - 1.58"	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)
	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
BACK-BOX Surface Mounted		Frequency Response	100Hz - 11000Hz
Entry Unit		Microphone	
		Directional Response	Omni-Directional
		Frequency Response	100Hz - 5000Hz
		Sensitivity	-42.5dB @ 1KHz
		Impedance	2K Ohms =/- @ 1KHz
		Speaker	
	Dimensions: Height - 4.33" Width - 2.36" Depth- 2.95"	RMS	5W
		Impedance	4 Ω
STS-SU1		Frequency Response	150Hz - 10300Hz
St Speaker and		Output	SPL 1W @ 1M 85dB
Microphone		Microphone	
		Directional Response	Cardioid 150Hz - 10500Hz
		Frequency Response Sensitivity	-49.5dB @ 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"	Input	100-240V 50-60Hz 1A max
	Cable length: 70.87" Weight: 0.51lbs Construction: ABS Case Finish: Black	Output	14V 2.14A 30W max