



STS-K001

Window Intercom System and Hearing Loop



CONTACTA WINDOW INTERCOM SYSTEMS

The STS-K001 Window Intercom System provides assistance for clear communication where normal speech is impaired by use of glass, a security screen or other similar barriers.

Components:

- › STS-A31H, Hearing Loop and Duplex Audio Communication Amplifier
- › STS-SU1, Staff Unit Speaker and Microphone
- › STS-B80, Customer Speaker and Microphone Bridge Bar Unit
- › IL-AE99, Under the Counter Hearing Loop Aerial
- › PS-55, Power Supply

Physical Data (boxed)

Dimensions	Height – 4.63" Width – 25.50" Depth – 13.06"
Weight	8.0lbs
Construction	Metalwork - Mild Steel STS-A31H - ABS Plastic Housing
Finish Options	Powder Coated
	<div style="display: flex; gap: 10px;"> <div style="width: 15px; height: 15px; background-color: #808080; border: 1px solid black;"></div> Grey Leatherette <div style="width: 15px; height: 15px; background-color: #333; border: 1px solid black;"></div> Black Textured </div>



Applications

For use where one to one communication takes place such as:

- › Banks
- › Post offices
- › Theaters
- › Information Centers
- › Public Transit Systems
- › Ticket Counters
- › Embassies
- › Government Buildings

Standards

- › CE, ROHS and WEEE compliant
- › BS EN 60118-4, in correct installations

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Physical and Technical Data (Individual Parts)

Components	Physical Data	Technical Data	
STS A31 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-SU1 Staff Unit Speaker and Microphone	Dimensions: Height of base - 2.61" Height from bottom of base to top of microphone fully extended - 14.50" Width - 3.80" Depth - 6.02" Weight: 1.79lbs Construction: Mild Steel Finish: Powder Coated Grey Leatherette or Black Textured	Speaker	
		RMS	5W
		Impedance	4 Ω
		Output	SPL 1W @ 1M 85dB
		Frequency Response	150Hz - 10300Hz
		Microphone	
		Directional Response	Cardioid
		Sensitivity	49.5dB+ 2dB @ 1kHz (0dB=1V/pa)
		Impedance	1.6K Ohms+ 3-% @ 1kHz
		Frequency Response	150Hz - 10500Hz
STS-B80 Customer Speaker and Microphone Bridge Bar Unit	Speaker Pod Dimensions: Height - 4.26" Width - 2.37" Depth - 2.93" Distance between speaker pods - 19.68" Height from base to top of microphone - 8.63" Total width - 24.25" Weight: 3.00lbs Construction: Mild Steel Finish: Powder Coated Grey Leatherette or Black Textured	Speaker	
		RMS	5W
		Impedance	4 Ω
		Output	SPL 1W @ 1M 85dB
		Frequency Response	150Hz - 11000Hz
		Microphone	
		Directional Response	Cardioid
		Sensitivity	-67dB +/- 3dB @ 1kHz
		Impedance	1.6K Ohms +/- 30% @ 1kHz
		Frequency Response	70Hz - 14000Hz
PS-55 Power Supply	Dimensions: Height - 1.38" Width - 2.08" Depth - 3.92" 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
IL-AE99 Loop Aerial	Dimensions: To be moulded on site to required size by installer Weight: 0.19lbs Construction: Copper wire with PVC casing Finish: Black		