

STS-K021

Window Mounted System



The STS-K021 Window Intercom System provides clear communication for applications where there is a hole in the glass. This robust system overcomes communication barriers caused by glass, security screens or similar partitions.

The kit features a STS-BL0, a non ballistic rated glass mounted, all-in-one speaker and microphone customer unit. It allows for simple installation and ensures both the customer and staff can be clearly heard. This kit is available in two other ballistic rated variations STS-K022 (Level 3) and STS-K023 (Level 8).

Components:

- › STS-A31H-BL8, Window Intercom System Amplifier
- › STS-SU1-3W-SIL-400, Staff Unit Speaker and Microphone
- › STS-BL0, Customer Side Speaker and Microphone Unit with Window Mounting Kit
- › IL-AE98, Window Mounted Hearing Loop Aerial
- › PS-55, Power Supply

Physical Data (boxed)

Dimensions	Height – 5.90" Width – 20.4" Depth – 12.50"
Construction	Mixed
Finish	Powder Coated Silver Sparkle



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
- › FCC class "B" EMC emissions
- › ICES-003



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Physical and Technical Data (Individual Parts)

Components	Physical Data	Technical Data	
STS A31H-BL8 Window Intercom Amplifier	Dimensions: Height - 1.58" Width - 4.58" Depth - 4.50" 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 & 2A RMS
		Total Harmonic Distortion	<5% (loop and speakers)
STS-SU1-3W-SIL-400 Staff Unit Speaker and Microphone	Dimensions: Height - 18.50" Microphone Stem length - 15.75" Width - 3.80" Depth - 6.02" Weight: 1.79lbs Construction: Mild Steel Finish: Powder Coated Silver Sparkle	Speaker	
		RMS	5W
		Impedance	4 Ω
		Output	SPL 1W @ 1M 85dB
		Frequency Response	150Hz - 10,300Hz
		Microphone	
		Directional Response	Cardioid
		Sensitivity	49.5dB+ 2dB @ 1kHz (0dB=1V/pa)
		Impedance	1.6K Ω + 3-% @ 1kHz
		Frequency Response	150Hz - 10,500Hz
STS-BL0 Customer Side Microphone and Speaker Glass Mounting Kit	Dimensions: Depth: 4.84" Diameter - 5.51" Construction: Mixed, Mild Steel, SR500 Steel Finish: Powder Coated Silver Sparkle	Speaker	
		RMS	5W
		Impedance	4 Ω
		Output	SPL 1W @ 1M 85dB
		Frequency Response	150Hz - 10,300Hz
		Microphone	
		Directional Response	Omnidirectional
		Frequency Response	100Hz - 10,000Hz
		Sensitivity	-44dB +/- 3dB @ 1kHz (0dB=1V/pa)
		Output Impedance	1.0k +/- 30%
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-AE98 Window Mounted Loop Aerial	Height - 8.50" Width - 8.50" Depth - 0.01" Weight - 0.26lbs; Connection cable length - 6.5ft		

Affiliations:

