

STS-K022

Window Mounted System
Level 3 Ballistic Rated



The STS-K022 Window Intercom System provides clear communication in secure environments. Designed 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 Level 3 Ballistic rated STS-BL3, a glass mounted, all-in-one speaker and microphone customer unit. It ensures protection and seamless interactions in high security environments.

Components:

- › STS-A31H-BL8, Window Intercom System Amplifier
- › STS-SU1-3W-SIL-400, Staff Unit Speaker and Microphone
- › STS-BL3, Customer Side Level 3 Ballistic Rated 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
- › Level 3 Ballistic Rated, UL752


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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-BL3 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:

