STS-K003

Window Intercom System and Hearing Loop

CONTACTA WINDOW INTERCOM SYSTEMS

The STS-K003 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, Window Intercom Amplifier
› STS-SU1-3W, Staff Unit Speaker and Microphone with Dual Mute
› STS-S61, Customer Flush Mounted Speaker
› STS-M56, Customer Flush Mounted Microphone
› IL-AE99, Under the Counter Hearing Loop Aerial
› PS-55, Power Supply

Physical Data (boxed)

Dimensions	Height –5.12″ Width – 13.39″ Depth – 9.45″
Weight	5.29lbs
Construction	Metalwork - Mild Steel STS-A31H - ABS Plastic Housing
Finish Options	Powder Coated Gray Leatherette Black Textured

Item Codes:
STS-K003-G / STS-K003-B

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 A31H 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 & 3A RMS
		Total Harmonic Distortion	<5% (loop and speakers)
STS-SU1-3W 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 Ω + 3-% @ 1kHz
		Frequency Response	150Hz - 10500Hz
STS-S61 Flush Mounted Speaker **STS-M56** Flush Mounted Microphone	Dimensions: Height - 4.69″ Width - 2.57″ STS-S61 Depth - 1.87″ STS-M56 Depth - 0.78″ STS-S61 Weight: 0.92lbs STS-M56 Weight: 0.35lbs Construction: Mild Steel Finish: Powder Coated Grey Leatherette or Black Textured	**Speaker (STS-S61)**	
		RMS	5W
		Impedance	4 Ω
		Output	SPL 1W @ 1M 85dB
		Frequency Response	150Hz - 10300Hz
		Microphone (STS-M56)	
		Directional Response	Omni-Directional
		Sensitivity	-42.5 ± 2.0dB @ 1kHz (0dB=1V/pa)
		Impedance	2K Ω =/- @ 1KHz
		Frequency Response	100Hz - 5000Hz
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		

Affiliations:

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Products can be found on ARCAT.com

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