

STS-K080-IP

Window Intercom System and Hearing Loop



CONTACTA WINDOW INTERCOM SYSTEMS

The STS-K080-IP Window Intercom System provides high quality sound for door entry locations, delivery points and other applications where the customer side of communication is outdoors. The system is IP54 weather rated making it well suited for outdoor applications. It can withstand harsh weather conditions, offering protection against water, dust and dirt ingress.

Components:

- › STS-A31H, Window Intercom Amplifier
- › STS-SU1-3W-B, Staff Unit Speaker and Microphone (Black)
- › STS-S80-IP, IP54 Overhead Speaker
- › STS-M15-300-IP, IP54 Stem Microphone
- › IL-AE99, Under the Counter Hearing Loop Aerial
- › STS-EX5M, 16.4ft Extension Cable

Physical Data (boxed)

Dimensions	Height – 4.72" Width – 25.19" Depth – 13.38"
Construction	Mixed
Finish	Mixed



Applications

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

- › Outdoor Access Points (gates, security doors, etc.)
- › Transportation and Distribution Depots
- › Port and Ferry Terminals
- › Medical, Healthcare and Mass Testing Facilities
- › Drive-through Services

Standards

- › Customer side IP54 rated against dust and water ingress. Water splashing against the enclosure from any direction shall have no harmful effect.


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Physical and Technical Data (Individual Parts)

Components	Physical Data	Technical Data	
STS A31 Window Intercom Amplifier	Dimensions: Height - 1.58" Width - 4.58" Depth - 4.50" Weight: 0.22lbs 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-B Staff Unit	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: 1.90lbs Construction: Mild Steel Finish: Black Powder Coated	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-S80-IP IP54 Overhead Speaker STS-M14-300-IP IP54 Stem Microphone	Speaker Dimensions: Height - 4.17" Width - 6.02" Depth: 4.17" Construction: Metal and Plastic Finish: Matt Black Microphone Dimensions: Diameter - 1.41" Depth - 0.47" Stem - 11.8" Total Height - 13.21" Cable Length - 6.56ft Construction: ABS Plastic and Stainless Steel	Speaker	
		RMS	30W
		Impedance	8 Ω
		Output	SPL 1W @ 1M 88dB
		Frequency Response	120Hz - 20,000Hz
		Microphone	
		Directional Response	Omnidirectional
		Sensitivity	-42 $\pm$ 3dB (0dB=1V/pa)
		Impedance	2.2K
		Frequency Response	100Hz - 20,000Hz
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:

