

# STS-K060

## Window Intercom System and Hearing Loop



### CONTACTA WINDOW INTERCOM SYSTEMS

The STS-K060 Window Intercom System provides assistance for clear communication where normal speech is impaired by use of glass, a security screen or other similar barriers.

The kit features a customer slimline bridge bar unit and staff speaker and microphone unit in a stainless steel finish.

Components:

- › STS-A31H, Window Intercom Amplifier
- › STS-SU1-SS-3W, Staff Unit Speaker and Microphone with Dual Mute
- › STS-B90-SS, Customer Speaker and Microphone Slimline Bridge Bar Unit
- › IL-AE99, Under the Counter Hearing Loop Aerial
- › PS-55, Power Supply

### Physical Data (boxed)

|              |  |
|--------------|--|
| Dimensions   | Height – 4.63"<br>Width – 25.50"<br>Depth – 18.06"       |
| Weight       | 9.37lbs  |
| Construction | Metalwork - Mild Steel<br>STS-A31H - ABS Plastic Housing |
| Finish       | Brushed Stainless Steel                                  |



### 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

  
**contacta**

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## Physical and Technical Data (Individual Parts)

| Components  | Physical Data   | Technical Data            |   |
|---|---|---------------------------|---|
| <b>STS A31</b><br>Window Intercom Amplifier                                   | Dimensions:<br>Height - 1.58"<br>Width - 4.58"<br>Depth - 4.50"<br><br>Weight: 0.22lbs<br>Construction: ABS Plastic Housing<br>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 $\Omega$ 4.4W / 4 $\Omega$        |
|   |   | Loop Drive Compliance     | Constant current, bounded by 4V RMS & 3A RMS    |
|   |   | Total Harmonic Distortion | <5% (loop and speakers)                         |
| <b>STS-SU1-3W-SS</b><br>Staff Unit  | Dimensions:<br>Height of base - 2.61"<br>Height from bottom of base to top of microphone fully extended - 14.50"<br>Width - 3.80"<br>Depth - 6.02"<br><br>Weight: 1.90lbs<br>Construction: Mild Steel<br>Finish: Brushed Stainless Steel  | <b>Speaker</b>            |   |
|   |   | RMS                       | 5W  |
|   |   | Impedance                 | 4 $\Omega$                                      |
|   |   | Output                    | SPL 1W @ 1M 85dB                                |
|   |   | Frequency Response        | 150Hz - 10300Hz                                 |
|   |   | <b>Microphone</b>         |   |
|   |   | Directional Response      | Cardioid  |
|   |   | Sensitivity               | 49.5dB+ 2dB @ 1kHz (0dB=1V/pa)                  |
|   |   | Impedance                 | 1.6K Ohms+ 3-% @ 1kHz                           |
|   |   | Frequency Response        | 150Hz - 10500Hz                                 |
| <b>STS-B90-SS</b><br>Customer Speaker and Microphone Slimline Bridge Bar Unit | Overall Dimensions:<br>Height - 16.98"<br>Width - 22.89"<br>Speaker Depth - 2.37"<br>Construction: Mild Steel<br>Finish: Brushed Stainless Steel<br><br>Microphone Dimensions:<br>Depth: 1.08"<br>Diameter - 1.18"<br>Construction: Aluminum<br>Finish: Silver Anodised<br><br>Speaker Dimensions:<br>Height - 2.71"<br>Width - 2.93" | <b>Speaker</b>            |   |
|   |   | RMS                       | 5W  |
|   |   | Impedance                 | 4 $\Omega$                                      |
|   |   | Output                    | SPL 1W @ 1M 85dB                                |
|   |   | Frequency Response        | 150Hz - 11000Hz                                 |
|   |   | <b>Microphone</b>         |   |
|   |   | Directional Response      | Cardioid  |
|   |   | Sensitivity               | -47 $\pm$ 3dB @ 1kHz                            |
|   |   | Impedance                 | 680 $\Omega$ +/- @ 1kHz                         |
|   |   | Frequency Response        | 70Hz - 10300Hz                                  |
| <b>PS-55</b><br>Power Supply  | Dimensions:<br>Height - 1.38"<br>Width - 2.08"<br>Depth - 3.92"<br>Cable length: 70.87"<br>Weight: 0.51lbs<br>Construction: ABS Case<br>Finish: Black   | Input                     | 100-240V 50-60Hz 1A max                         |
|   |   | Output                    | 14V 2.14A 30W max                               |
| <b>IL-AE99</b><br>Loop Aerial   | Dimensions: To be moulded on site to required size by installer<br>Weight: 0.19lbs; Construction: Copper wire with PVC casing; Finish: Black  |                           |   |

### Affiliations:

