

# 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 System Amplifier
- › STS-SU1-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, 5 Meter Extension Cable

### Physical Data (boxed)

|              |  |
|--------------|--|
| Dimensions   | Height – 4.72"<br>Width – 25.19"<br>Depth – 13.38" |
| Weight       |  |
| Construction | Mixed<br>STS-A31H - ABS Plastic Housing            |
| 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.

contacta 

Phone: (616) 392-3400

Email: sales@contactainc.com

www.contactainc.com

## Physical and Technical Data (Individual Parts)

| Components  | Physical Data  | Technical Data            |   |
|---|--|---------------------------|---|
| <b>STS A31</b><br>Hearing Loop and Duplex Audio Communication 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 Ω 4.4W / 4 Ω                      |
|   |  | Loop Drive Compliance     | Constant current, bounded by 4V RMS & 3A RMS    |
|   |  | Total Harmonic Distortion | <5% (loop and speakers)                         |
| <b>STS-SU1-B</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: Black Powerd Coated | <b>Speaker</b>            |   |
|   |  | RMS                       | 5W  |
|   |  | Impedance                 | 4 Ω   |
|   |  | 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-S80-IP</b><br>IP54 Overhead Speaker<br><br><b>STS-M14-300-IP</b><br>IP54 Stem Microphone | Speaker Dimensions:<br>Height - 4.17"<br>Width - 6.02"<br>Depth: 4.17"<br>Construction: Metal and Plastic<br>Finish: Matt Black  | <b>Speaker</b>            |   |
|   |  | RMS                       | 30W   |
|   |  | Impedance                 | 8 Ω   |
|   |  | Output                    | SPL 1W @ 1M 88dB                                |
|   |  | Frequency Response        | 120Hz - 20,000Hz                                |
|   | Microphone Dimensions:<br>Diameter - 1.41"<br>Depth - 0.47"<br>Stem - 11.8"<br>Total Height - 13.21"<br>Cable Length - 6.56ft<br>Construction: ABS Plastic and Stainless Steel   | <b>Microphone</b>         |   |
|   |  | Directional Response      | Omnidirectional                                 |
|   |  | Sensitivity               | -42 ±3dB (0dB=1V/pa)                            |
|   |  | Impedance                 | 2.2K  |
|   |  | Frequency Response        | 100Hz - 20,000Hz                                |
| <b>PS-55</b><br>Power Supply  | Dimensions:<br>Height - 1.38"<br>Width - 2.08"<br>Depth - 3.92"<br><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<br>Construction: Copper wire with PVC casing<br>Finish: Black   |                           |   |