



Surface Mounted Entry System

STS-K009

This speech transfer system provides high quality sound across partitions and safety screens. It includes our surface mounted entry unit, our open duplex amplifier, a hearing loop, and a free-standing microphone and speaker unit for staff.

The surface mounted entry is for customer use and is installed at head height. A call button is on the front of the unit; when pressed, it alerts staff to a customer's presence and opens a conversation channel.

It is suitable for environments with low ambient noise.

Components

- Speech Transfer Amplifier [STS-A31H]
- Surface Mounted Entry Unit [BACK-BOX]
- Staff Loudspeaker Unit [STS-SU1-G/B]
- PS-55 Power Supply [PS-55-01]
- Counter Hearing Loop Aerial [IL-AE99]

Physical Data (boxed)

| | |
|--------------|--|
| Dimensions | Height – 120mm (4.72") Width – 640mm (25.19") Depth – 340mm (13.38") |
| Construction | Mild Steel |
| | ABS Plastic |
| Finish | Grey Powder Coated Leatherette |

Applications

For use where one to one communication takes place through a safety screen:

- Nursing/Care Homes
- Hospitals/Health Clinics/Surgeries
- Railway Stations
- Distribution Centres
- Airports

Standards

- BS EN 60118-4 in correct installations
- CE, ROHS and WEEE compliant
- EN 55032:2015 compliant
- EN 55103-2:2009 compliant

Talk to us now:
+44 (0) 1732 223900 (UK & ROW)
+1 616 392 3400 (US & Canada)
www.contacta.co.uk



Physical and Technical Data (Individual Parts)

| Component | Physical Data | Technical Data | | |
|-----------------------------|---|---------------------------|---|----------------------------------|
| Speech Transfer Amplifier | Dimensions: Height - 116mm (4.57") Width - 115mm (4.53") Depth - 40mm (1.57") Weight: 100g (0.22lbs) Construction: ABS Plastic 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) | |
| PS-55 Power Supply | Dimensions: Height - 93mm (3.66") Width - 49mm (1.93") Depth - 36mm (1.42") Cable length: 1.8m (70.87") Weight: 180g (0.39lbs) Construction: ABS Case Finish: Black | Input | 100-240V 50-60Hz 1A max | |
| | | Output | 14V 2.14A 30W max | |
| Staff Loudspeaker Unit | Dimensions: Height - 370mm (6.30") Width - 95mm (2.76") Depth - 150mm (3.94") Weight: 820g (1.80lbs) Construction: Mild Steel Finish: Grey Powder Coated Leatherette Black Textured Powder Coated | Speaker | RMS | 5W |
| | | | Impedance | 4Ω |
| | | | Output | SPL 1W @ 1M 85dB |
| | | | Frequency Response | 150Hz - 10300Hz |
| | | Microphone | Directional Response | Cardioid |
| | | | Frequency Response | 150Hz - 10500Hz |
| | | | Sensitivity | 49.5dB+ 2dB @ 1kHz |
| | | | Impedance | 1.6K Ohms+ 3-% @ 1kHz |
| Mounted Speech Box | Dimensions: Height - 164mm (6.4") Width - 89mm (3.5") Depth - 63mm (2.48") Construction: Mild Steel Finish: Grey Powder Coated Leatherette | Speaker | RMS | 5W |
| | | | Impedance | 4Ω |
| | | | Output | SPL 1W @ 1M 85dB |
| | | | Frequency Response | 150Hz - 11000Hz |
| | | Microphone | Directional Response | Omni-Directional |
| | | | Frequency Response | 100Hz - 5000Hz |
| | | | Sensitivity | -42.5 ± 2.0dB @ 1KHz (0dB=1V/pa) |
| | | | Impedance | 2K Ohms +/- @ 1KHz |
| Counter Hearing Loop Aerial | Dimensions: To be moulded on site to required size/ shape by installers. Weight: 100g (0.22lbs) Construction: Copper Wire with Black Protective Covering Finish: Black | | | |