



## Speech Transfer Amplifier

STS-A31H

Our amplifier provides full open duplex communication and is compatible with all of our speech transfer products.

### Physical Data

Dimensions	Height - 116mm (4.57") Width - 115mm (4.53") Depth - 40mm (1.57")
Weight	100g (0.22lbs)
Construction	ABS Plastic
Finish Options	Matt Black Fine Texture

### Technical Data

Supply Voltage	12-14 VDC
Quiescent Current	100mA typical
Operating Current	3A typical on speech peaks
Power Switch	Push on - push off (tact switch under membrane)
Microphones	Electret, supply 5V via 2.2K $\Omega$ 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)

### Standards

- BS EN 55103-1: 2009 (EMC emissions)
- BS EN 55103-2: 2009 (EMC immunity)
- FCC class "B" EMC (emissions)
- ICES-003
- IEC 60118-4 (in correct installations)
- IEC 62489-1

### Applications

For use in any situation where one to one communication takes place at a counter, booth or desk, through glass, such as in:

- Banks
- Post offices
- Theatres
- Information Centres
- Airports

### Features

- Energy-saving "green" standby mode is automatically used, achieving a power saving of up to 80%
- Constant-current loop drive (with engineer adjustable loop drive level)
- Isolated audio line input / output allows additional ohmically isolated line level audio input or output to recording system (factory options, not available together)
- LED column indicator aids adjustments and indicates power and status
- Continuous self-testing means that no specialized equipment is required to confirm functionality
- DC Power: 2.1mm DC jack
- Power and status indication: Green/red LED column

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

