

# SS1002 SS2002

S P E A K E R S T A T I O N S



*The SS1002 and SS2002 Intercom Speaker Stations may be used with a headset, or with the built-in speaker and the panel microphone or an optional gooseneck microphone. Another alternative is to use headphones and either the built-in panel microphone or an optional gooseneck microphone. As an alternative to a headset, a telephone style handset may also be used. The SS1002 is a single-channel station; the SS2002 provides switch selectable access to either of two intercom channels. Both the SS1002 and SS2002 come in three versions to suit a variety of applications. The "S" box is a portable version. It has a carrying handle and dual "loop-through" intercom connectors which permit stations to be quickly interconnected using prefabricated cables. The "P" box is a stationary version. It also has dual "loop-through" connectors for quick interconnection, but the case is designed for desktop or console-mount applications. The "U" box is designed for permanent, in-the-wall mounting. It uses push type wire terminals for connection to the intercom system. In addition to the standard SS1002 / SS2002 units, there is a two channel "RM" version. The "RM" version is suitable for desktop use, or can be rackmounted using the optional RM-14 rackmount ear kit.*

## Features:

- **Easy Wiring** - Via XLR "loop-through" or push type wiring terminal block.
- **Panel Mic Key** - Selects built-in panel microphone or gooseneck microphone (when present) when in the ON position. Selects headset/handset when in the OFF position.
- **Speaker Key** - Selects the Built-in speaker in the ON position and the headset/handset when in the OFF position.
- **Channel Select Switch (SS2002 only)** - Used to switch between intercom channels one and two. The switch lights green for channel one and red for channel two.
- **Call Key** - Used to send call signals on the intercom channel and to indicate incoming calls. Intercom Talk Key: Both momentary (push-to-talk) and latching (hands-free talk) are possible.
- **Panel Mic Connector** - Accepts an MCP-90 series microphone.

## Architectural and Engineering Specifications

The intercom station shall be capable of either one or two channel operation (depending on model). Both models shall be available in either portable/surface mountable ("S" Box), desktop ("P" Box), in-wall ("U" Box), or no enclosure (not shown) versions. In addition, a two channel rack mountable (RM) version shall also be available. The units shall feature a built-in speaker and panel microphone. The unit shall also be capable of operation with optional gooseneck microphone, headset, or handset. The unit shall be capable of operation on balanced or unbalanced intercom lines. The unit shall be capable of being powered via the intercom line, or by a small external DC power source. The unit shall be power and signaling compatible with other Audicom® intercom stations. The unit shall be power and call signaling compatible (when in unbalanced mode) with Clear-Com® systems.

### SS1002, SS2002 & SS2002RM Specifications

#### General

<b>Power Requirement:</b>	
Phantom Power:	+24 VDC nominal, 175 mA
Local Power:	+12 to +15 VDC, 250 mA
<b>Dimensions:</b>	See dimension drawings.
<b>Environmental Requirements:</b>	
Storage:	-20°C to 80°C; 0% to 95% RH, non-condensing
Operating:	-15°C to 60°C; 0% to 95% RH, non-condensing

#### Dynamic-mic Headset/Handset

<b>Microphone:</b>	50 to 200 ohms, dynamic (balanced or unbalanced)
<b>Headphones:</b>	150 to 600 ohms, monaural
<b>Connector Type:</b>	XLR-4M
	<ul style="list-style-type: none"> <li>Pin 1 Microphone Low</li> <li>Pin 2 Microphone High</li> <li>Pin 3 Headphone High</li> <li>Pin 4 Headphone Low</li> </ul>

#### Panel Microphone

<b>Built-in Microphone:</b>	2.2k ohms, electret (-44 dB nominal), Omnidirectional
<b>Gooseneck Microphone:</b>	Connector Type: 1/8" Threaded TRS 5k ohms, electret (-47 dB nominal) Tip - Microphone High (+12 VDC bias) Ring - Common Sleeve - Common Compatible with MCP-90 Series Microphones

#### Intercom Channels, Balanced mode (SW1 set to BAL position)

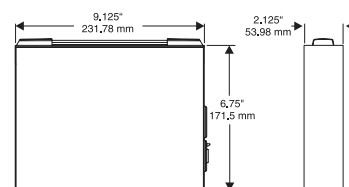
<b>Output Level:</b>	1Vrms nominal
<b>Input Impedance:</b>	300 ohms
<b>Bridging Impedance:</b>	greater than 10k ohms
<b>Sidetone:</b>	-40 dB, 35 dB adjustable range
<b>Call Signaling:</b>	Send: 20 kHz $\pm 100$ Hz, 0.5 Vrms $\pm 10\%$ Receive: 20 kHz $\pm 800$ Hz, 100 mVrms
<b>Mic-Kill Detect Frequency:</b>	24 kHz $\pm 800$ Hz, 100mVrms
<b>Noise Contribution:</b>	less than -70 dB
<b>Common Mode Rejection Ratio:</b>	greater than 50 dB
<b>Connector Type:</b>	Six-position push type terminal block <ul style="list-style-type: none"> <li>Pin 1 Audio and DC Common</li> <li>Pin 2 Local power (+12 to +15 VDC) If needed</li> <li>Pin 3 Intercom channel 1 audio low and +24 VDC power</li> <li>Pin 4 Intercom channel 1 audio high and +24 VDC power</li> <li>Pin 5 Intercom channel 2 audio low and +24 VDC power</li> <li>Pin 6 Intercom channel 2 audio high and +24VDC power</li> </ul>

#### Intercom Channels, Unbalanced mode (SW1 set to UNBAL position)

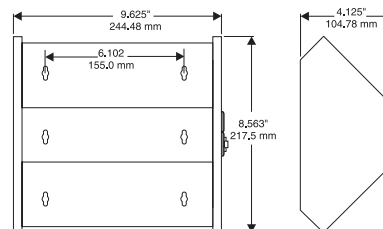
<b>Output Level:</b>	0.70 Vrms $\pm 10\%$
<b>Input Impedance:</b>	200 ohms
<b>Bridging Impedance:</b>	greater than 10k ohms
<b>Sidetone:</b>	-40 dB, 35 dB adjustable range
<b>Call Signaling:</b>	Send: +11 $\pm 3$ VDC Receive: +4 VDC minimum
<b>Connector Type:</b>	Six-position push type terminal block <ul style="list-style-type: none"> <li>Pin 1 - Common</li> <li>Pin 2 - Local power (+12 to +15 VDC) If needed</li> <li>Pin 3 - Power +30 VDC</li> <li>Pin 4 - Intercom channel 1 audio and DC call signaling</li> <li>Pin 5 - Power +30 VDC</li> <li>Pin 6 - Intercom channel 2 audio and DC call signaling</li> </ul>

#### Speaker Output Power

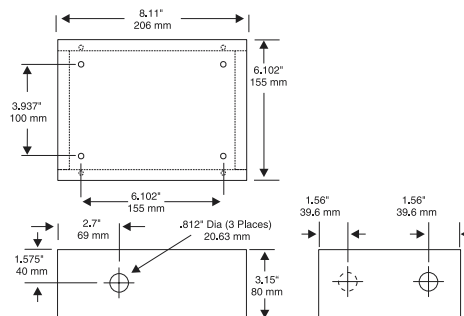
4W max @ 8 ohms



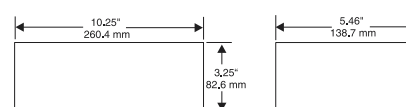
"S" Box



"P" Box



"U" Box



RM

#### Ordering Information

Model No.	Description	Order by Cat.
SS1002	no enclosure.	90007741-000
SS2002	no enclosure	90007741-001
SS1002	"P" box	90007741-002
SS1002	"S" box w/handle	90007741-003
SS2002	"P" box	90007741-004
SS2002	"S" box w/handle	90007741-005
SS1002	"U" box	90007741-006
SS1002	"S" box w/out handle	90007741-007
SS2002	"U" box	90007741-008
SS2002	"S" box w/out handle	90007741-009
SS2002	RM (rack mountable)	90007742-000

#### Distributed by:

All specifications are subject to change without notice.

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