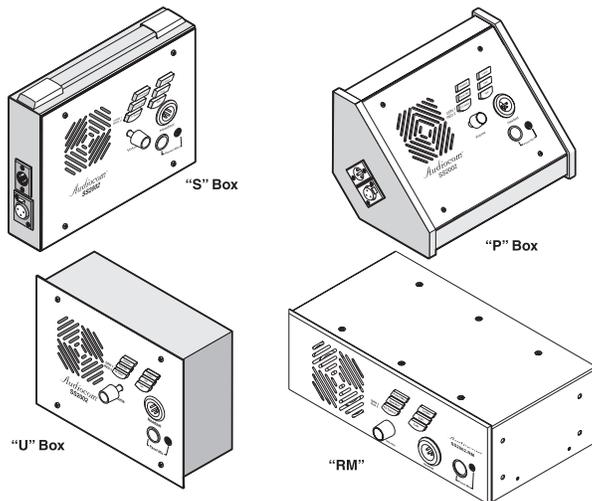


# Audiocom<sup>®</sup>

## TECHNICAL DATA SHEET



### DESCRIPTION

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.

SS-1002  
SS-2002  
SS-2002RM

### ARCHITECTURAL & 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 Audiocom<sup>®</sup> intercom stations. The unit shall be power and call signaling compatible (when in unbalanced mode) with Clear-Com<sup>®</sup> systems.

### ORDERING INFORMATION

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

### PLEASE CONTACT US

Telex Communications, Inc.  
12000 Portland Avenue South  
Burnsville, MN 55337 U.S.A.

Tel: (952) 884-4051  
Fax: (952) 884-0043

www.telex.com

## SPECIFICATIONS

## DIMENSIONS

### General

#### Power Requirements:

Phantom Power: +24 VDC nominal, 175 mA

Local Power: +12 to +15 VDC, 250 mA

Dimensions: See dimension drawings.

#### Environmental Requirements:

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

Microphone: 50 to 200 ohms, dynamic (balanced or unbalanced)

Headphones: 150 to 600 ohms, monaural

Connector Type: XLR-4M

Pin 1 - Microphone Low

Pin 2 - Microphone High

Pin 3 - Headphone High

Pin 4 - Headphone Low

### Panel Microphone

#### Built-in Microphone:

2.2k ohms, electret (-44 dB nominal), Omnidirectional

#### Gooseneck Microphone:

Connector Type: ¼" 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)

Output Level: 1 Vrms nominal

Input Impedance: 300 ohms

Bridging Impedance: greater than 10k ohms

Sidetone: -40 dB, 35 dB adjustable range

#### Call Signaling:

Send: 20 kHz ±100 Hz, 0.5 Vrms ±10%

Receive: 20 kHz ±800 Hz, 100 mVrms

Mic-Kill Detect Frequency: 24 kHz ±800 Hz, 100mVrms

Noise Contribution: less than -70 dB

Common Mode Rejection Ratio: greater than 50 dB

Connector Type: Six-position push type terminal block

Pin 1 - Audio and DC Common

Pin 2 - Local power (+12 to +15 VDC) If needed

Pin 3 - Intercom channel 1 audio low and +24 VDC power

Pin 4 - Intercom channel 1 audio high and +24 VDC power

Pin 5 - Intercom channel 2 audio low and +24 VDC power

Pin 6 - Intercom channel 2 audio high and +24VDC power

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

Output Level: 0.70 Vrms ±10%

Input Impedance: 200 ohms

Bridging Impedance: greater than 10k ohms

Sidetone: -40 dB, 35 dB adjustable range

#### Call Signaling:

Send: +11 ±3 VDC

Receive: +4 VDC minimum

Connector Type: Six-position push type terminal block

Pin 1 - Common

Pin 2 - Local power (+12 to +15 VDC) If needed

Pin 3 - Power +30 VDC

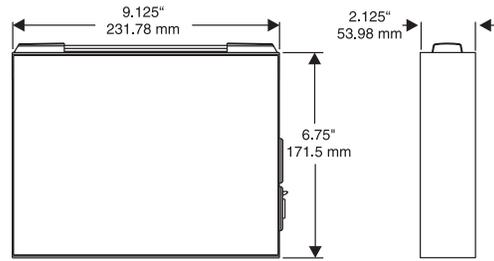
Pin 4 - Intercom channel 1 audio and DC call signaling

Pin 5 - Power +30 VDC

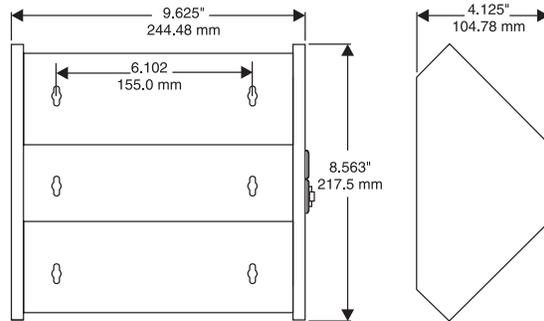
Pin 6 - Intercom channel 2 audio and DC call signaling

### Speaker Output Power

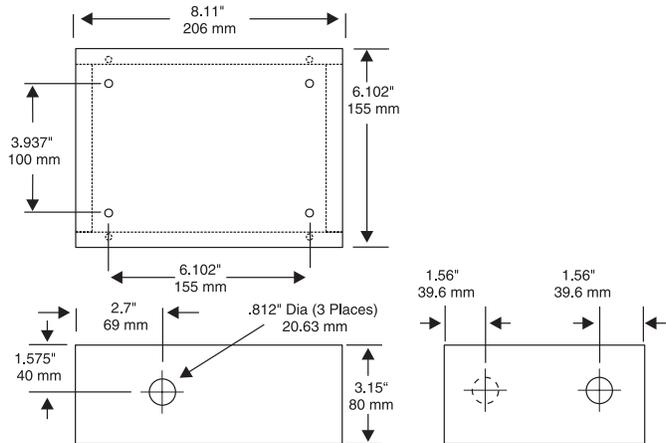
4W max @ 8 ohms



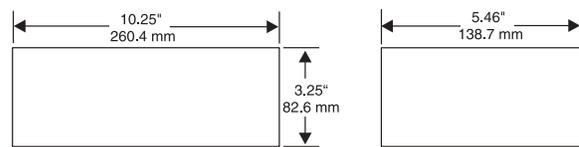
"S" Box



"P" Box



"U" Box



RM

## EXAMPLE SYSTEM

