

## SSA-324

### System-to-System Interface

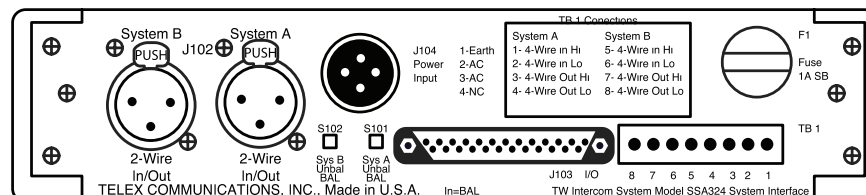
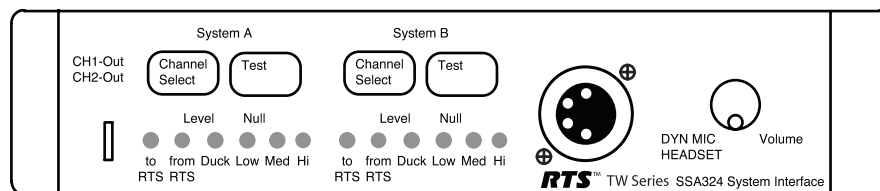


The Model SSA-324 is a System to System Adapter (or interface). It interconnects the voice signals between different intercom systems. In addition, it can optionally interconnect calls or tally signals between systems. Each SSA-324 includes two (2) 2-wire to 4-wire converters. The 4-wire interface can deliver and accept high level signals. An SSA-324 can also function as a 2-wire to 2-wire interface by interconnecting the two (2) individual interfaces at the 4-wire level. The SSA-324 does two (2) voice channels when used as a dual 2-wire to 4-wire interface, and one (1) voice channel when functioning as a 2-wire to 2-wire interface.

## Features

- Functional specifications
- Ducking (bilateral)
- Monitoring
- Nulling
- Level adjustments

## Line Drawing



# Specifications

## 2-wire Input

Impedance: 5,000Ω +/-20% single ended,  
10,000Ω differential  
Operating Levels: -20dBu to +0 dBu, nominal

## 2-wire Output

Impedance: 5,000Ω +/- 20% single ended,  
10,000Ω +/- 20% differential  
Operating Level: -20dBu to +0 dBu nominal

## 4-wire Input

Impedance:  
10,000Ω minimum single ended,  
20,000Ω minimum differential operating levels  
Level: -10dBu to +8dBu, nominal

## 4-wire Output

Impedance: single ended or differential  
Operating Levels: -10dBu to + 8dBu, nominal  
Transfer Functions (Duck Level set to no ducking)  
Voltage Gain, 4-wire In to 2-wire Out  
Level Pot 100% rotation: 3dB  
Level Pot 50% rotation: -15dB/4dB

## Transfer Functions (Duck Level set to no ducking)

Voltage Gain, 2-wire In to 4-wire Out  
Level Pot 100% rotation: 22dB 3dB  
Level Pot 50% rotation: 8dB 4dB

## Frequency Response (Reference: 1kHz, 0 dBu input)

4-wire Input to 2-wire Output:  
200Hz to 5kHz, +1, -4dB, typical  
2-wire Input to 4-wire Output:  
250Hz to 5kHz, +1, -4dB, typical

## Signal-to-Noise Ratio (Reference: 1kHz, 0 dBu at 2-wire)

2-wire to 4-wire: -60dB  
4-wire to 2-wire: -60dB  
Crosstalk (Reference: 1kHz, 0 dBu)  
System A to System B  
2-wire to 2-wire: -50dB

## Environmental

Temperature  
Operating: 0°C to 50°C (32°F to 122°F)  
Storage: -40°C to 85°C (-40°F to 185°F)  
Humidity: 0 to 95%. non-condensing

## Mains Voltage

Standard: 120 volts 10%, 50–60Hz  
\*P Option: 230 volts 10%, 50–60Hz  
#D Option: 100 volts + 10%, -5%, 50–60Hz

## Mains Amperes

Standard: 0.20A @ 120 volts 10%, 50–60Hz  
\*P Option: 0.10A @ 230 volts 10%, 50–60Hz  
#D Option: 0.22A @ 100 volts +10%, -5%, 50–60Hz

## Dimensions

1.72" (44mm) H, 8.19" (208mm) W, 8.00" (204mm) D

## Weight

SSA-324: 2.75 lbs (1.3kg)  
MCP-1: 1.0 lbs (0.45kg)  
MCP-2: 1.0 lbs (0.45kg)

## Finish

Thermoplastic front panel, aluminum case, light gray finish

## Nulling:

Manual

# Order Information

SSA324 • SSA-324 • System-to-System Interface  
SSA324-#U • SSA-324#U • System-to-System Interface

The specification information is preliminary and is subject to change without notification.  
Brand names mentioned are the property of their respective companies.

Bosch Security Systems, Inc. | 12000 Portland Avenue South | Burnsville, Minnesota 55337  
Telephone: 877-863-4169 | Fax: (800) 323-0498  
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