



SSA-324

Dual 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 two-wire to four-wire converters. The four-wire interface can deliver and accept high level signals. An SSA-324 can also function as a two-wire to two-wire interface by interconnecting the two individual interfaces at the four-wire level. The SSA-324 does two voice channels when used as a dual two-wire to four-wire interface, and one voice channel when functioning as a two-wire to two-wire interface.

Features

Functional Specifications

The Model SSA-324 consists of two two-wire to four-wire converters in a single package (converter A and converter B). If the two converters are interconnected, the Model SSA-324 then functions as two-wire to two-wire converter. The method of interconnection are as follows: converter A's four-wire output is connected to converter B's four-wire input; converter A's four-wire input is connected to converter B's output.

Ducking (Bilateral)

Adjustable, 0 to 30 dB. Toggles from one direction to the other (threshold is factory set). There is one adjustment for interface A and one for interface B. Each interface has depth level adjustment (front panel).

Monitoring

Uses a standard headset. Front Panel has 4-pin female XLR type headset connector.

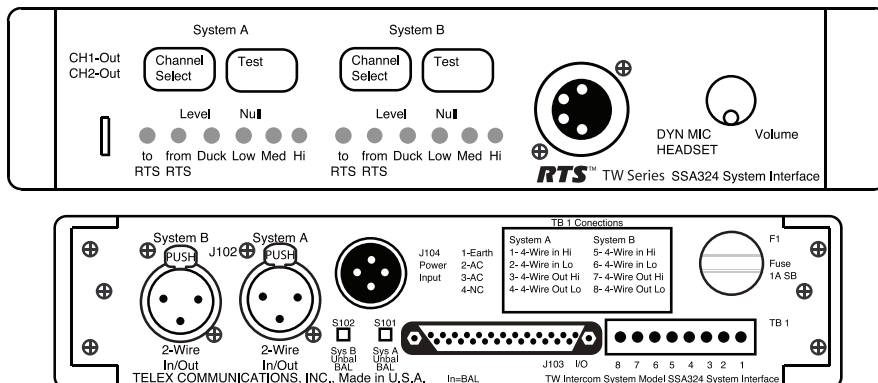
Nulling

There are three null adjustments associated with each two-wire port. These are resistive (medium), capacitive (high), and inductive (low) nulls. Medium, High, and Low refers to frequency ranges; medium centers about 1 kilohertz, high, 3 kilohertz, low, 300 hertz.

Level Adjustments

There are two level adjustments for interface A (to-from two-wire) and two for interface B (to-from two-wire).

Line Drawings



SSA-324 Specifications

Two-Wire Input

Impedance: 5,000 ohms +1a%, -20% single ended,
10,000 ohms +100%, -20% differential
Operating Levels: -20 dBu to +0 dBu, nominal

Two-Wire Output

Impedance: 5,000 ohms 20% single ended, 10,000
ohms 20% differential
Operating Level: 0.1 mA to 10 mA, nominal

Four-Wire Input

Impedance: 10,000 ohms minimum single ended,
20,000 ohms minimum differential operating Levels:-
10 dBu to +8 dBu, nominal

Four-Wire Output

Impedance: ohms single ended or differential
Operating Levels: -10 dBu to + 8 dBu, nominal

Transfer Functions (Duck Level set to no ducking)

Voltage Gain, Four-Wire In to Two-Wire Out*
Level Pot 100% rotation: 3 dB
Level Pot 50% rotation:-15 dB 4 dB

Transfer Functions (Duck Level set to no ducking)

Voltage Gain, Two-Wire In to Four-Wire Out**
Level Pot 100% rotation: 22 dB 3 dB
Level Pot 50% rotation: 8 dB 4 dB

Frequency Response (Reference: 1 kilohertz, 0 dBu input)

Four-Wire Input to Two-Wire Output:200 hertz to 5
kilohertz, +1,-4 dB, typical
Two-Wire Input to Four Wire Output:250 hertz to 5
kilohertz, +1, -4 dB, typical
Signal-to-Noise Ratio (Reference: 1 kilohertz, 0 dBu at

two-wire)

Two-Wire to Four-Wire: -60 dB
Four-Wire to Two-Wire: -60 dB
Crosstalk (Reference: 1 kilohertz, 0 dBu)
System A to System B,
Two-wire to Two wire
200 hertz to 5 kilohertz: -50 dB,

Environmental

Temperature
Operating: 0.0 to 50" Celsius
Storage:-40" to 85" Celsius
Humidity:0 to 95%. non-condensing

Mains Voltage

Standard: 120 volts 10%, 50-60 hertz
*P Option: 230 volts 10%, 50-60 hertz
#D Option: 100 volts + 10%. -5%, 50-60 hertz

Mains Amperes

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

Dimensions

1.72" (44mm) high, 8.19" (208mm) wide, 8.00"
(204mm) deep

Weight

SSA324: 2.75 lbs (1.3 kg)
MCP1: 1.0 lbs (0.45 kg)
MCP2: 1.0 lbs (0.45 kg)

Finish

Thermoplastic front panel, aluminum case, light gray
finish.

Nulling:

Manual

Contact Information

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Ordering Information

SSA-324 • System to system interface • Catalog #: 9000697900

SSA-324-U • System to system interface with signal option board • Catalog #: 9000697921

SSA-324-A • System to system interface with coupling transformers-2 wire side• Catalog #: 9000697924

SSA-324-B • System to system interface with coupling transformers- 4 wire side • Catalog #: 9000697925

SSA-324-A/B • System to system interface with coupling transformers- 2 and 4 wires • Catalog #: 9000697926

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