



# SSA-424A

## Digital Interface/System-to-System Interface

The SSA-424A Dual Digital Hybrid interfaces two Two-Wire intercom lines to two Four-Wire lines. Unlike earlier analog hybrids, the SSA-424A features advanced digital signal processing to achieve automatic nulling of the Two-Wire lines. Plus, each hybrid features convenient peak-reading level meters to quickly match the levels between the lines that are being interfaced. The result is easy and accurate setup. With the SSA-424A, all need for test tones, nulling adjustments and ducking adjustments have been eliminated.

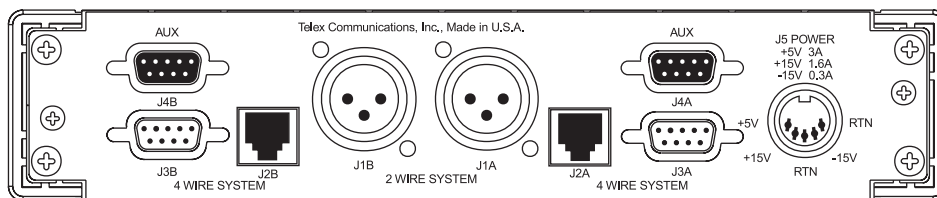
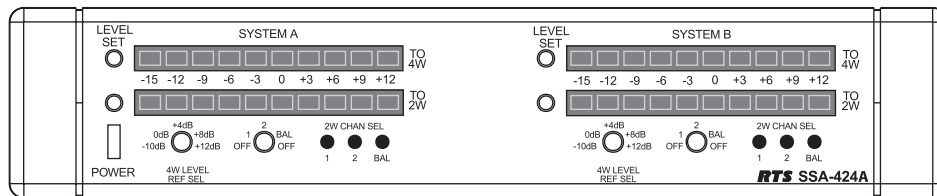
Compatible Two-Wire intercom systems include RTS® TW, Audiocom®, and Clear-Com. Compatible with Four-Wire intercom systems. An internal call signal option board is also available for the SSA-424A. This option board provides call signal compatibility with any of the two-wire systems listed above. The output can also be directly connected to an ADAM, ADAM-CS, CRONUS, or ZEUS GPI port. No external circuitry is required. With features like digital signal processing, peak-reading level meters and optional call signal interfacing, the SSA-424A Dual Digital Hybrid assures ease of setup and maximum transparency between intercom systems.

### Features

- Two Independent Hybrids
- Automatic Nulling
- Peak Reading Level Meters
- Direct ADAM/ZEUS Audio Connection

- Transformer Isolated
- Call Signal Option
- Half-Rack Wide, 1 RU High
- Universal Power Pack

### Line Drawing



# SSA-424A Specifications

## 2-Wire Ports

Input/Output Impedance: 5,000 $\Omega$ , nominal  
Operating Level: -10dBu to 0dBu, nominal  
Level Adjustment Range:  $\pm$ 12dB

## 4-Wire Ports

Input Impedance: 10,000 $\Omega$ , nominal  
Output Impedance: 200 $\Omega$   
Operating Level: -10dBu, 0dBu, +4dBu, +8dBu, +12dBu

## System to System

Frequency Response: 200Hz to 5kHz,  $\pm$ 3dB  
Signal-to-Noise Ratio (Ref 1kHz, 0dB @ 2-wire): -70dB nominal  
Crosstalk: -80dB nominal

## Environmental

Operating Temperature: -20°C to 50°C (-4°F to 122°F)  
Storage Temperature: -40°C to 85°C (-40°F to 185°F)  
Humidity: 0 to 95%, non-condensing

## Power

100 to 250 VAC, 50/60 Hz, 18 Watts

## Dimensions

1.72" (44mm) high, 8.19" (208mm) wide, 8.0" (204mm) deep

## Weight

5.0 lbs. (2.3kg)

## Finish

Thermoplastic front panel, aluminum case, light gray finish

## Nulling:

Automatic

## Ordering Information

### SSA-424A

Digital Interface/System-to-System Adapter  
Catalog Number: 90007824000

### SSA-424A#U

Digital Interface/System-to-System Adapter  
Catalog Number: 90007824001

This specifications information is preliminary and is subject to change without notification.

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