Audiocom®

Innovative solutions for today's communications™

SSA-424A
Dual Digital Hybrid

The SSA-424A Dual Digital Hybrid interfaces two 2-wire intercom lines to two 4-wire lines. Unlike earlier analog hybrids, the SSA-424A features advanced digital signal processing to achieve automatic nulling of the 2-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 2-wire intercom systems include RTS™ TW, Audiocom®, and Clear-Com™. Compatible with 4-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 2-wire systems listed above. The output can also be directly connected to an ADAM 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
Interface two separate 2-wire lines to two separate 4-wire lines.

Automatic Nulling
Digital hybrids eliminate all nulling and ducking adjustments. Quick, trouble-free setup. Puts an end to concerns about echo and feedback when interfacing 2-wire lines.

Peak Reading Level Meters
Quick and accurate visual level adjustment. No extra setup equipment or guesswork is required.

Direct ADAM/Zeus Audio Connection
Accepts standard ADAM/Zeus DB9 or RJ11 keypanel cables.

Transformer Isolated
All audio inputs and outputs are transformer isolated to prevent ground loops and hum.

Call Signal Option
Accepts call signal formats from all compatible 2-wire systems. For 4-wire systems, generates NC and NO relay contacts and also +5VDC for received 2-wire call signal generation. Can be direct-wired to an ADAM or Zeus GPI.
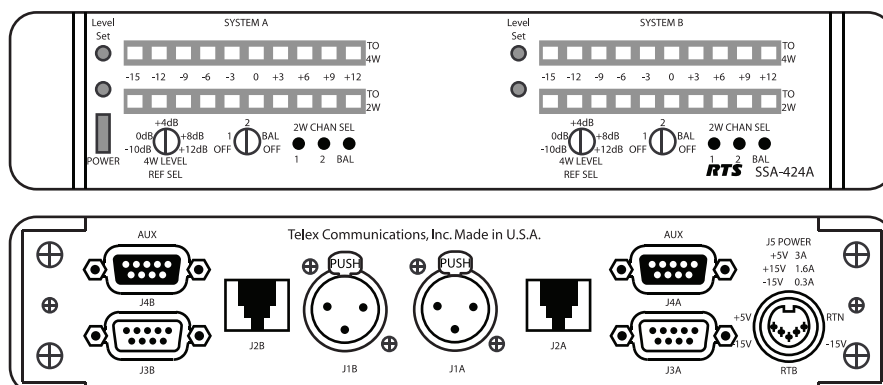
Half-rack Wide, 1RU High
Two SSA-424A's fit into a single rack space. Compatible with RTS™ TW rack mount hardware. Can be mixed with other TW equipment.*

Universal Power Pack
Ready for worldwide use. Automatically accepts any voltage from 100-250 VAC, 50/60 Hz. Power pack equipped with locking DIN connector for attachment to the SSA-424A.

Clear-Com™ Compatible

Line Drawings

SSA-424A Specifications

2-Wire Ports
  Input/Output Impedance: 5,000 ohms, nominal
  Operating Level: -10dBu to 0dBu, nominal
  Level Adjustment Range: ±12dB

4-Wire Ports
  Input Impedance: 10,000 ohms, nominal
  Output Impedance: 200 ohms
  Operating Level: -10dBu, 0dBu, +4dBu, +8dBu, +12dBu

System to System
  Frequency Response: 200Hz to 5kHz, ±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 tp 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

Ordering Information

SSA-424A
Dual Digital Hybrid
Catalog Number: 90007824000

TELEX
COMMUNICATIONS