

Technical Data Sheet

Innovating the Future of Global Communications

DSI-2008 Digital System Interface/System-to-System Adapter



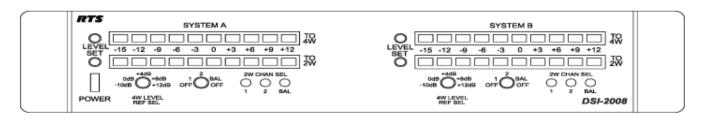
The DSI-2008 dual digital hybrid interfaces two (2) 2-wire intercom lines to two (2) 4-wire lines, and also interfaces balanced and unbalanced 2-wire lines. The DSI-2008 is ideal for systems with varying loads. (Amount of user stations often vary for different configurations.) Unlike earlier analog hybrids, the DSI-2008 features advanced **DSP** (Digital Signal Processing) to achieve automatic nulling of the 2-wire lines. In addition, 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 DSI-2008, all need for test tones; nulling adjustments and ducking adjustments have been eliminated. In addition, there is a call light option board available for compatibility with RTS 2-wire intercom and RTS Audiocom systems.

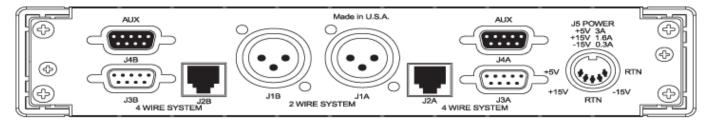
Features

- · Two (2) independent hybrids
- · Automatic nulling
- Peak reading level meters
- · Direct ADAM/Zeus audio connection

- · Transformer isolated
- Call signal option
- Half-Rack wide, one (1) RU (Rack Unit) high
- Universal power pack

Line Drawing





Specifications

2-wire Ports

Input/Output Impedance: 5,000Ω, nominal Operating Level: -10dBu to 0 dBu, nominal

Level Adjustment Range: ±12dB

4-wire Ports

Input Impedance: $10,000\Omega$, nominal

Output Impedance: 200Ω

Operating Level: -10dBu, 0 dBu, +4dBu, +8dBu, +12dBu

System to System

Frequency Response: 200Hz to 5kHz, ±3dB

Signal-to-Noise Ratio (Ref 1kHz, 0 dB @ 2-wire): -70dB nominal

Crosstalk: -80dB nominal

Environmental

Operating Temperature: 0°C to 50°C (32°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 250VAC, 50/60Hz, 18 Watts

Dimensions

13/4" (4.5cm) H, 8" (20.8cm) W, 81/4" (20.96cm) D

Weight

2.9lbs (1.32kg)

Finish

Thermoplastic front panel, aluminum case, light gray finish

Nulling:

Automatic

Order Information

DSI 2008 • DSI 2008 • Digital System Interface/System-to-System Adapter DSI 2008-CALL • DSI 2008 • Digital System Interface/System-to-System Adapter with Call Light Option

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 Form Number: F.01U.247.089 Rev 03

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