

## DSI 2008

### Digital System Interface/System-to-System Adapter

The DSI-2008 dual digital hybrid interfaces two two-wire intercom lines to two four-wire lines, and also interfaces balanced and unbalanced two-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 digital signal processing to achieve automatic nulling of the two-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® Two-Wire Intercom and Telex® Audiocom® systems.

### Features

Two Independent Hybrids

Automatic Nulling

Peak Reading Level Meters

Direct ADAM/ZEUS Audio Connection

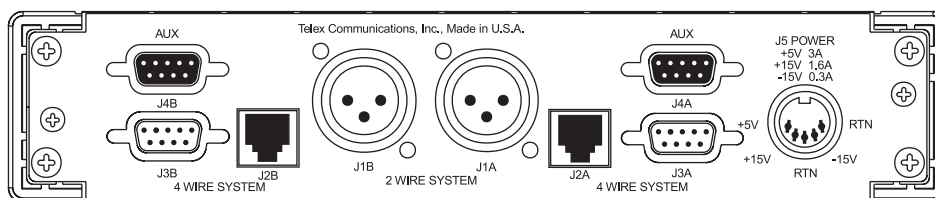
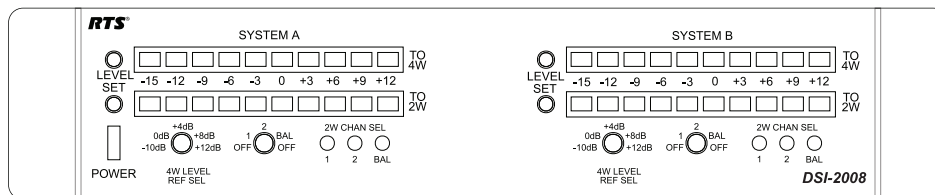
Transformer Isolated

Call Signal Option

Half-Rack Wide, 1 RU High

Universal Power Pack

### Line Drawing



# DSI 2008 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 $\frac{3}{4}$ " (4.5 cm) high, 8 $\frac{1}{5}$ " (20.8 cm) wide, 8 $\frac{1}{4}$ " (20.96 cm) deep

## Weight

2.9 lbs (1.32 kg)

## Finish

Thermoplastic front panel, aluminum case, light gray finish

## Nulling:

Automatic

## Contact Information

Telex Communications, Inc.  
12000 Portland Avenue South  
Burnsville, Minnesota 55337  
Telephone: 877-863-4169  
Fax: 800-955-6831

Form Number: LIT000223000 Rev A  
Date: April 2008

## Ordering Information

### DSI 2008

Digital System Interface/System-to-System Adapter  
Catalog Number: 90007870000

### DSI 2008#U

Digital System Interface/System-to-System Adapter  
with Call Light Option  
Catalog Number: 90007870001

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