

# Dual Monitor 84-Termination DSX-1

Front Cross-Connect; Access Both Sides of the Signal from One Location

## Overview

Monitor both directions of a signal from one panel to save time and simplify DS1 signal maintenance with Telect's Dual Monitor 84-Termination DSX-1.

The Dual Monitor 84 provides complete DSX-1 capabilities in a high-density footprint, with a four-port design for bi-directional monitoring of both the incoming and outgoing signals of each termination — all from a single location.

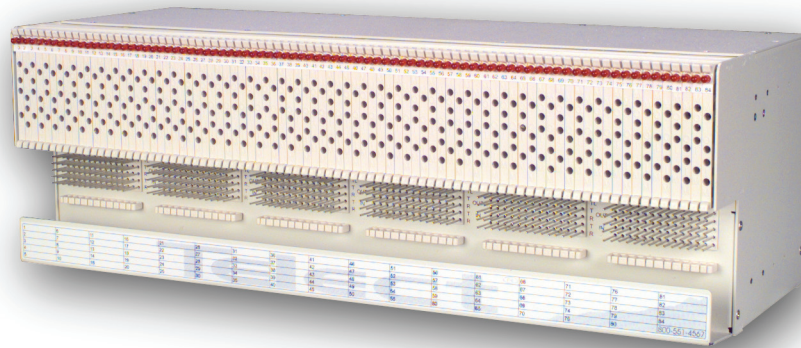
This key feature saves time by eliminating the need to move test equipment to both sides of the cross-connect, allowing complete circuit testing when only one side of the cross-connect is in the user's facility (i.e., co-locates between carriers).

## Applications

- Co-locates
- Central offices

## Primary Benefits

- Lightweight construction: Half the weight of traditional panels to reduce shipping costs, ease installation and reduce floor loading
- Dual monitoring feature: Simplifies troubleshooting by enabling the monitoring of both input and output signals from one panel
- Innovative 4-port jack design:
  - Injection-molded frame and patented straight-leaf design ensure a lifetime of connections
  - Single-circuit design enables maintenance without disrupting other circuits or requiring I/O cable changes
  - Offset Bantam jack pattern allows the use of standard patch cords and
- Backed by Telect's DSX lifetime warranty



010-DM84-7001, Front View

# Dual Monitor 84-Termination DSX-1

Front Cross-Connect; Access Both Sides of the Signal from One Location

## Ordering Information

Description	Part Number
Dual Monitor 84 DSX-1 Panel	010-DM84-7001

## Accessories

Description	Part Number
Single conductor Blue Nickel™ patch cord	040-1000-xxx (xxx=feet)
Dual conductor Blue Nickel™ patch cord	040-2000-xxx (xxx=feet)
Looping plug	040-3000-0000RC
100-Ohm Bantam terminating plug	040-5000-0100
5-Conductor cross-connect wire, 1000 ft.	060115RC
Bantam circuit guard plug, white	101222-2
Bantam circuit guard plug, red	101222-3
"Phoney" plug, black	101235-1
"Phoney" plug, red	101235-3

## Panel Specifications

Dimensions	23" W x 7" H x 8" D (584 mm x 176 mm x 203 mm)
Weight	24 lbs. (11 kg)
Designation	1-84
LED Color	Red
Cross-connect field	Front wire-wrap
Network element field	Rear wire-wrap
Agency compliance	NEBS Level 3

## DSX Jack Specifications

Test Method	
Dedicated Digital Jack	Unless otherwise specified, all appropriate products are tested under MIL-J-641, method 202F

Electrical	
Insertion loss	< -0.5 dB (at 1.576 MHz)
Crosstalk	< -60 dB
Return loss	< -26 dB at 772 kHz
Monitor level	21 dB +/-1.5 dB below signal level
Contact resistance	< 0.01 ohms
Characteristic impedance	100 ohms

Mechanical	
Insertion force	4.17 lb (1.9 kg) average
Withdrawal force	5.21 lb (2.4 kg) average
Life	Minimum 20,000 insertion/withdrawal cycles
Vibration	Per MIL-STD-202F, method 201A

Environmental	
Salt spray	Per MIL-STD-202F, method 101D
Moisture resistance	Per MIL-STD-202F, method 106E
Thermal limits	-40 to 149°F (-40 to 65° C) operating -67 to 185°F (-55 to 85° C) non-operating
Thermal shock	Per MIL-STD-202, method 107D
Humidity	0 to 95% operating and non-operating



Rear view of Dual Monitor 84 panel