

RDS ROUTER DELAY SIMULATOR



FEATURES / BENEFITS

- ✓ Interfaces Supported- RS-232, V.35, X.21, RS-422, RS-530, TTL, and HSSI
- ✓ Network Simulation delays of 5mS up to 1250mS in 5mS increments
- ✓ Data Rates- Synchronous to 2.048Mbps- Option for T2 (6.312Mbps)
- ✓ Controls for RTS/CTS delay, DSR, DTR on a per port basis
- ✓ Status LED's for each port allows ease of connection and trouble shooting
- ✓ Timing-Internal or accepts external timing from DTE for test purposes
- ✓ 110/220VAC switch selectable
- ✓ Sturdy Metal Enclosure

DESCRIPTION

The Router Delay Simulator (RDS) allows Router-to-Router connections at data rates up to 2.048Mbps while simulating network delays. The user selectable delays are for both data and control signals and range from 5 milliseconds(mS) to approximately 1250 mS, in 5 mS increments. The RDS allows users to test and pre-configure Routers (with software applications) and other critical DTE equipment for reliable network operation while simulating network delay times.

The RDS has individual data interfaces that allow HSSI, V.35, RS-530, RS-422/449, RS-232, X.21 and TTL serial connections. The data interfaces may also be mix and matched such as V.35-to-RS-530 connection.

Installation is fast and simple by setting the external switches for Delay Simulation, Clocking, Carrier Operation and RTS to CTS delay. All clocking and signal crossover are provided within the RDS.

The RDS has status LED's for each attached DTE device which allows the user to visually confirm the presence of control signals.

The RDS utilizes state of the art digital CMOS technology to provide a feature filled product at a very affordable price. Our Field Programmable Gate Array (FPGA) design has allowed us to offer this product with a wide selection of user Delay Settings and Baud Rates.

The RDS is housed in a sturdy standalone or rackmount metal enclosure and operates on 110/220VAC.

The RDS has a three year warranty and a 24 hour turnaround on warranty repairs.

EAST COAST DATACOM, INC.

SPECIFICATIONS

Application

Interconnection of two Routers or DTE (Terminal) devices located within proximity of each other while simulating network delays times

Simulation DelayTimes

5 milliseconds(mS) to approximately 1250 mS, in 5 mS increments

Capacity

Two (2) Routers or DTE's

Data Rates

Up to 2.048Mbps
Option for T2 (6.312Mbit)

Data Channel Interfaces

Available in V.35, RS-530, RS-422/449, RS-232, X.21, TTL and HSSI

Surge Protection

Main power supply

Power Source

100-120 to 200-220VAC @10%,
50/60Hz, 0.16/0.08A, external 110/220
volt select switch, IEC Power Inlet, (2)
5mm Fuses

Dimensions

Height 1.75 inches (4.44 cm)
Width 17.00 inches (43.18 cm)
Length 9.00 inches (22.86 cm)

Environmental

Operating Temperature....32° to 122° F (0° to 50° C)
Relative Humidity.....5 to 95%
Non-Condensing
Altitude.....0 to 10,000 feet

Weight

4.50 pounds (2.1Kg)

Warranty

Three Years, Return To Factory

ORDERING INFORMATION

Part Number: 129000
Model: RDS
Description: Router Delay Simulator

Interfaces Available

Part No: 129014	RS-232 DCE I/M
Part No: 129032	RS-232 DTE I/M
Part No: 129010	V.35 DCE I/M
Part No: 129028	V.35 DTE I/M
Part No: 129011	RS-530 DCE I/M
Part No: 129029	RS-530 DTE I/M
Part No: 129012	RS-422 DCE I/M
Part No: 129030	RS-422 DTE I/M
Part No: 129013	X.21 DCE I/M
Part No: 129031	X.21 DTE I/M
Part No: 129057	TTL I/M
Part No: 151028	HSSI I/M

INCLUDED WITH EACH UNIT:

Included with each unit:

- 1) Operations Manual
- 2) U.S.A. Grounded Power Cord, Part # 713015

EAST COAST DATACOM DESIGNS AND MANUFACTURES DATA COMMUNICATION EQUIPMENT FOR YOUR NETWORK REQUIREMENTS.



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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