

# RDS-ECO EXTERNAL CLOCK OPTION



## FEATURES / BENEFITS

- √ Interface - ITU V.35 (MR-34 Female Connectors, V.11 electrical)  
Optional: RS-530, RS-422/449, RS-232 or X.21
- √ Timing - Accepts External Timing from attached DCE
- √ Network Simulation delays of 5mS up to 1250mS in 5mS increments
- √ Data Rates - Synchronous to 5Mbps
- √ Controls for RTS, CTS, DSR, DTR on a per port basis
- √ Status LED's for each port allows ease of connection and trouble shooting
- √ 110/220VAC switch selectable
- √ Sturdy Metal Enclosure

## DESCRIPTION

The Router Delay Simulator(RDS-ECO) allows DCE to DTE connections at data rates up to 5Mbps while simulating network delays. The user selectable delays are for both data and a control signal in each direction and range from 5 milliseconds(mS) to approximately 1250 mS, in 5 mS increments. The RDS-ECO allows users to test and pre-configure critical DTE equipment such as Routers (with software applications) along with an attached modem, digital service unit(DSU) or other network access device for reliable network operation while simulating additional network delay times.

The RDS-ECO has individual data interfaces that allow V.35, RS-530, RS-422/449, RS-232 and X.21 connections for both DCE and DTE interfaces. The data interfaces may also be mix and matched such as V.35-to-RS-530 connections.

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

Installation is fast and simple by setting the switches for delay time, clocking and Clear To Send(CTS) control. All signal crossover is provided within the RDS-ECO.

The RDS-ECO uses state of the art digital CMOS technology to provide a feature filled product at an affordable price. The units design offers a field programmable gate array(FPGA) for fast customer specified changes.

The RDS-ECO is housed in a sturdy metal enclosure and operates on 110/220VAC.

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

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# SPECIFICATIONS

## Application

Interconnection of a DCE and DTE device located within proximity of each other while simulating network delays times

## Simulation Delay Times

5 milliseconds(mS) to approximately 1250 mS, in 5 mS increments, 256 possible settings

Note: Baud Rate does not effect delay times

## Capacity

One(1) DCE device

One(1) DTE device

## Data Rates

Up to 5Mbps

## Data Channel Interfaces

Available in V.35, RS-530, RS-422/449, RS-232 or X.21

## 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

2 pounds (0.914Kg)

## Warranty

Three Years, Return To Factory

## ORDERING INFORMATION

Part No: 133000

Model: RDS-ECO

Description: Router Delay Simulator, external Clocking  
*Interfaces Available:*

V.35 DCE PT# 129010, V.35 DTE PT# 129028

RS-530 DCE PT# 129011, RS-530 DTE PT# 129029

RS-422 DCE PT# 129012, RS-422 DTE PT# 129030

X.21DCE PT# 129013, X.21 DTE PT# 129031

RS-232 DCE PT# 129014, RS-232 DTE PT# 129032

## INCLUDED WITH EACH UNIT:

- 1) Operations Manual
- 2) U.S.A. Grounded Power Cord, Part # 713015
- 3) Optional Power Cords
  - A) United Kingdom, Part # 713016
  - B) Continental Europe, Part # 713017
  - C) Other: Specify Country on Purchase Order

## OPTIONAL ACCESSORIES

- 1) Spare Data Center Fuses
  - A) 160ma Fuse, Qty (2) Part # 714000
  - B) 80ma Fuse, Qty (2) Part # 714001

For further detailed technical information on this product, contact East Coast Datacom Technical Assistance toll free at (800) 240-7948

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



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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