

DESCRIPTION



The Series DL401 & 402 is a T1/E1 Fiber Optic Transceiver that can be connected directly to any North American interface for T1 or the European equivalent (E1). It will transmit every type of encoding - AMI, B8ZS, or HDB3. Many T1 systems made by our competitors will only handle AMI encoding. This system requires no adjustments. A special circuit is included to remove any jitter. The DL402 is a two-fiber system with transmission distance options up to 110 km. The DL401 is 1U high rackmount bidirectional system using one fiber with distance options up to 80 km.



DL401/DL402: T1/E1 Fiber Optic Modem

BENEFITS



- Extend T1/E1 over Fiber
- Multimode and Singlemode Versions Available
- One or Two Fiber Versions
- Low Power Consumption

FEATURES



- Local & Remote Loopback
- Supports AMI/BSZS/HDB3 Line Codes
- No Jitter
- Full Digital Technology Design



**Radiant
Communications
Corporation**

Phone: 908 757 7444 or 800 969 3427
Fax: 908 757 8666
E-mail: sales@rccfiber.com
www.rccfiber.com

P.O. Box 867
South Plainfield
NJ 07080
USA

8/2007

DL401 /402 T1/EI Fiber Optic Modem

SPECIFICATIONS

Data Rates

T1 1.544 Mbps
EI 2.048 Mbps

Diagnostic Functions

Local and Remote Loopback

System

Bit Error Rate 1 in 10⁶ or better

Visual Indicators

System Status Power, Alarm
T1/EI Status SNC, BPV, LOS, SIG

Connector for T1 interface

Terminal Bloc

Optical

Wavelength: 850 nm, 1310 nm, 1550 nm, CWDM, DWDM
Number of Fibers: 1 or 2
Optical Connector: SC/APC, SC, FC, FC/APC

General Characteristics

Power: 12 V DC @ 250 mA or
115/230 VAC
Operating Temperature: -10° C to 50° C
Storage Temperature: -10° C to 50° C
Humidity: 95 % non-condensing
Size: rackmount 17.0" W x 13.0" D x 1.75" H
module 2.5" W x 4.0" D x 1.0" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
DL401/SM-XY3	T1 Transceiver, 1 Fibers, Singlemode 1310 nm	9 dB	20 km
DL401/SMHP-XY3	T1 Transceiver, 1 Fibers, Singlemode 1310 nm	18 dB	50 km
DL401/SMSP-XY5	T1 Transceiver, 1 Fibers, Singlemode 1310/1550 nm	28 dB	80 - 110 km
DL402/-XY8	T1 Transceiver, 2 Fibers, Multimode 850 nm	13 dB	0 - 5 km
DL402/SM-XY3	T1 Transceiver, 2 Fibers, Singlemode 1310 nm	16 dB	0 - 40 km
DL402/SMSP-XY3	T1 Transceiver, 2 Fibers, Singlemode 1310 nm	28 dB	40 - 80 km
DL402/SMUP-XY5	T1 Transceiver, 2 Fibers, Singlemode 1550 nm	28 dB	80 - 110 km

Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D-ST
- -48 volt power supply available as option
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory



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