ELCOMMTECH Corporation

044S-DX2-M1,2

2Ch. RS-422 Data Transceiver

Singlemode

Single or Dual Fiber Operation

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Specifications:

Optical Performance

Light Source	Laser
Wavelength	1310 and/or 1550nm
Optical Connector	ST, FC or SC
Single mode - Core Diameter	8 - 10u
Optical Power Output	-6dBm
Receiver Sensitivity	-35dBm/2 fiber -33dBm/1 fiber
Operating Temperature	-30 ºC to +70 ºC
Dimensions	6.86''(172mm) x 4.95''(126mm) x x 1.4''(36mm)
Power Requirements	12V AC or DC @ 300mA; 24VAC @ 200mA

Data Interface

Data Interface	RS-422
Data Rate	Up to 6 Mb/sec

Introduction :

The Elcommtech 044S-DX2-M1,2 forms part of a singlemode, single or dual fiber data fiber optic duplex transmission system. Using frequency modulation and operating as a single or dual window 1310/1550nm, single or dual fiber unit, the 044S-DX2-M1,2 provides the following facilities in a 172mm x 126mm x 36mm free standing module.

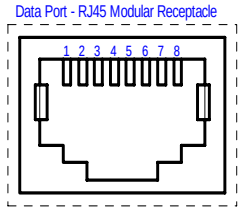
Optical Transmitter for: 2 x RS-422 Data Channels

Optical Receiver for: 2 x RS-422 Data Channels

Indicators : All indicators are located on the top of the module.

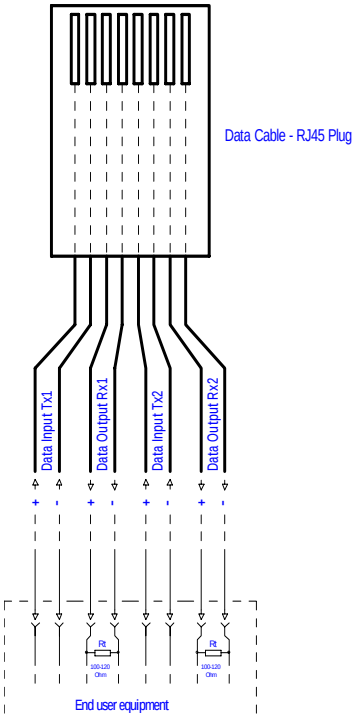
Indicator		
Power	off	The unit is not powered
	green	Power connected
Data Link	off	No received optical signal present
	green	Optical signal received
Data Tx1	off	No data signal present at the optical transmitter Ch.1 input
	red	Data signal is present at the optical transmitter Ch.1 input
Data Rx1	off	No data signal present at the optical receiver Ch.1output
	green	Data signal is present at the optical receiver Ch.1 output
Data Tx2	off	No data signal present at the optical transmitter Ch.2 input
	red	Data signal is present to the optical transmitter Ch.2 input
Data Rx2	off	No data signal present at the optical receiver Ch.2 output
	green	Data signal is available at the optical receiver Ch.2 output

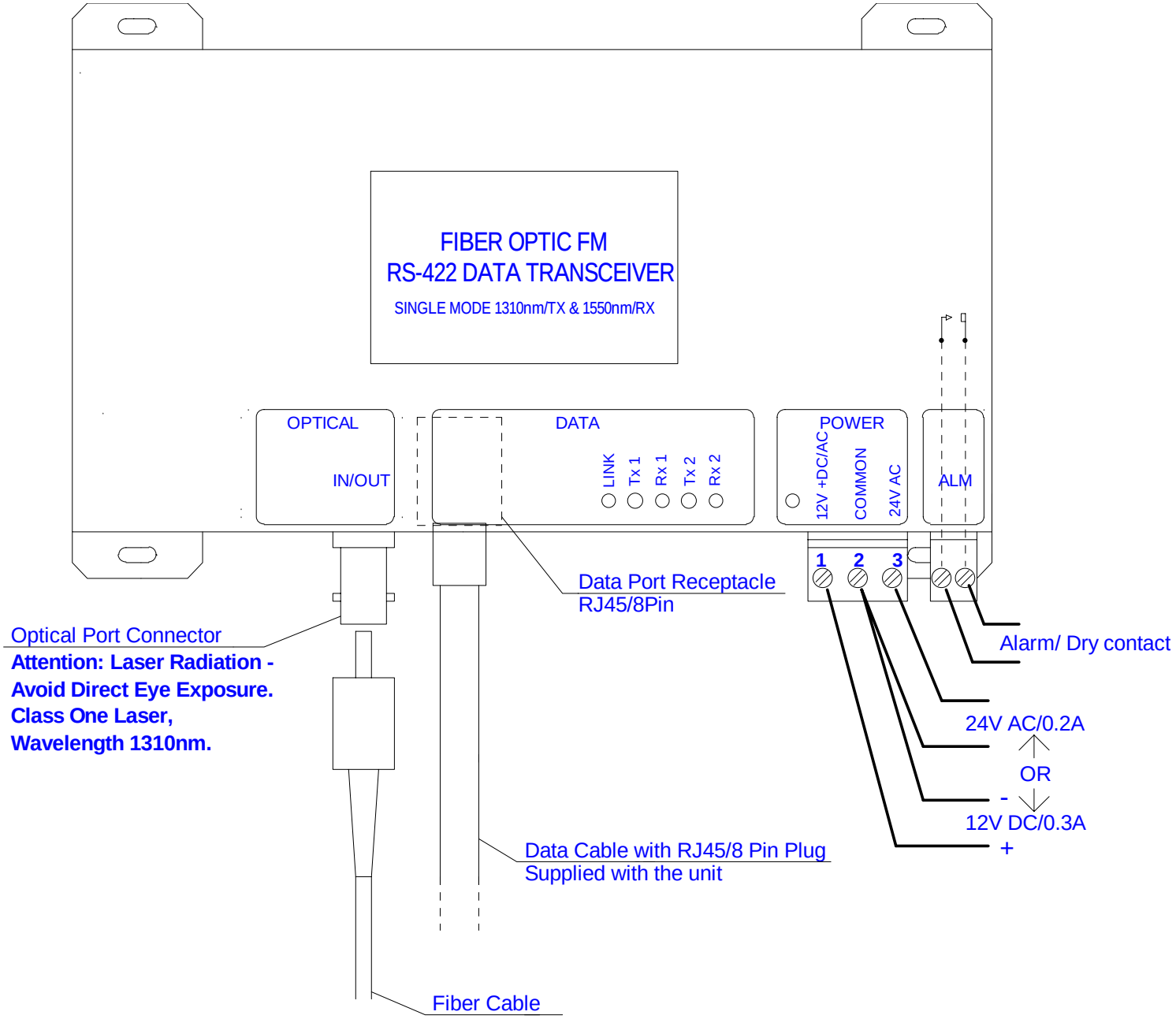
Data Connector Pinouts



RS-422 Data Port Connector

RS-422	Tx1 (IN1)	Rx1 (OUT1)	Tx2 (IN2)	Rx2 (OUT2)
DATA SIGNAL +	1	3	5	7
DATA SIGNAL -	2	4	6	8





044S-DX2-M1ST RS-422 Data Transceiver Connections