OBD 1510D_R03

yellobrik®

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Quick Reference

Note. These modules are supplied as a pair and form a closed loop WDM fiber system. The Type A module must be connected to a Type B module

Technical Specifications

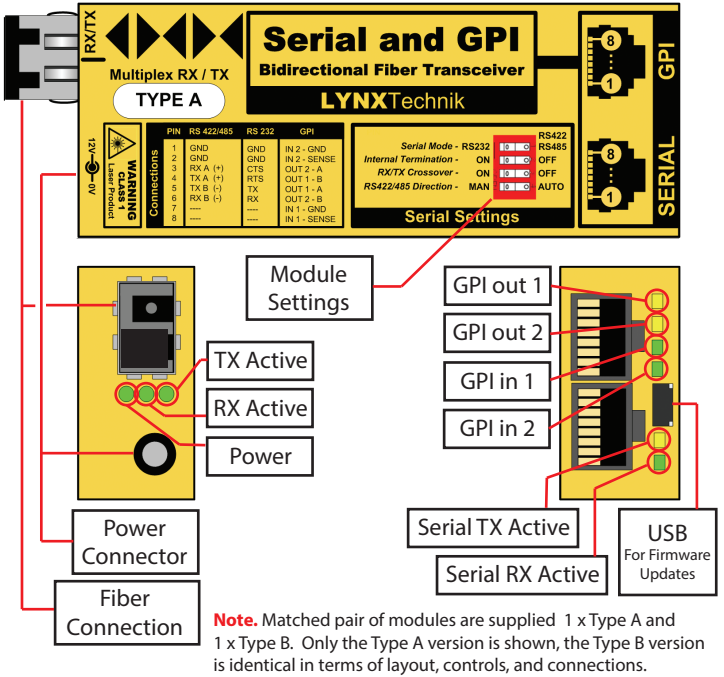
Serial I/O	EIA/ETA RS232C / RS422 / RS485 (selectable) - Connector - RJ45
	Baud rate - Auto sense and auto adjust from 300 to 460K
	Serial setting dip switch provides settings for: • Select RS232 / RS422/485 modes • Select serial termination (for end of line) • RX/TX crossover to flip the RX and TX if needed • Set RS422/485 data direction to automatic or manual if needed
	RS422/485 Maximum number of electical nodes = 25
	ESD protection for up to 26kV
GPI	2 x GPI inputs + 2 x GPO outputs - RJ45 Connector
	GPI Inputs: • External passive closure between pins (short) to trigger • Max input switching frequency 25Hz (50 operations / second) • Input insulation 3.75kV
	GPI outputs: • Internal contact closure (relay) • Max switching frequency 25Hz (50 operations / second) • Max switching power 220VDC / 0.25A or 250VAC / 0.25A • Output insulation 3.75kV
Fiber I/O	1 x ber optic I/O port (bidirectional) - LC/PC Connection
	WDM using 1310nm and 1550nm wavelengths Optical budget = 18dB
	Max distance 10km (6.2miles)
Power	+12VDC @ 0.25A

We are constantly adding additional yellobrik modules.
Please visit our website for the latest product updates.

www.lynx-technik.com

OBD 1510 D

Serial and GPI Bidirectional Fiber Transceiver



Note. Matched pair of modules are supplied 1 x Type A and 1 x Type B. Only the Type A version is shown, the Type B version is identical in terms of layout, controls, and connections.

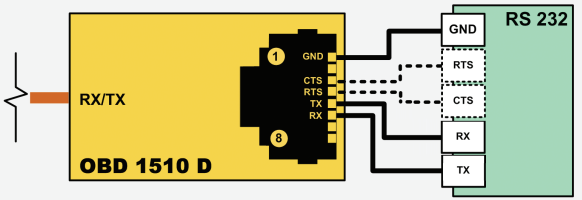
WARNING
CLASS 1M LASER PRODUCT

LASER RADIATION
Do not view directly with optical instruments

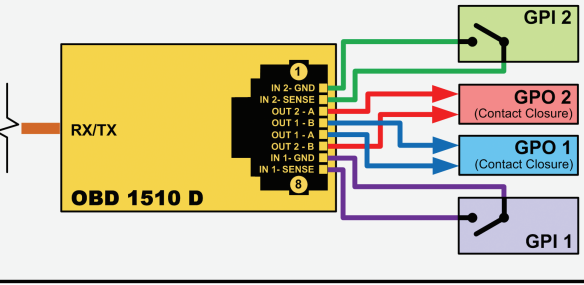
Connections

A matched pair of OBD 1510 D modules are provided. One Type A and one Type B, and must be used together. These form a WDM closed loop fiber system with a single bidirectional fiber link. The modules support Serial RS232/422 and RS485 in full and half duplex, the module also provides support for two GPI and GPO signals. Connection examples and recommended switch settings are shown below. The fiber connections use LC/PC connectors, The use of singlemode (SMF) fiber is mandatory for a WDM (multiplexed) application such as this.

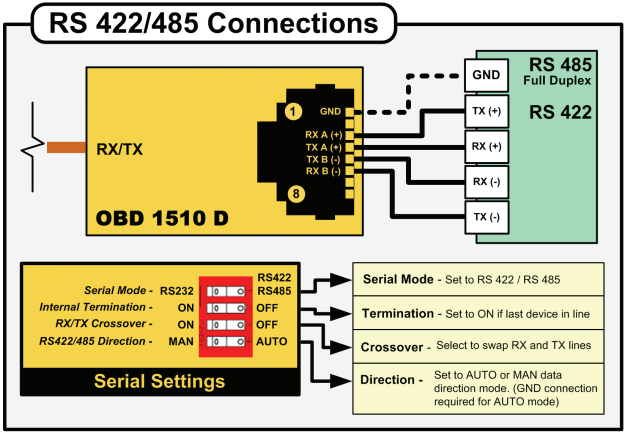
RS 232 Connections



GPI Connections



RS 422/485 Connections



RS 485 Connections – Half Duplex