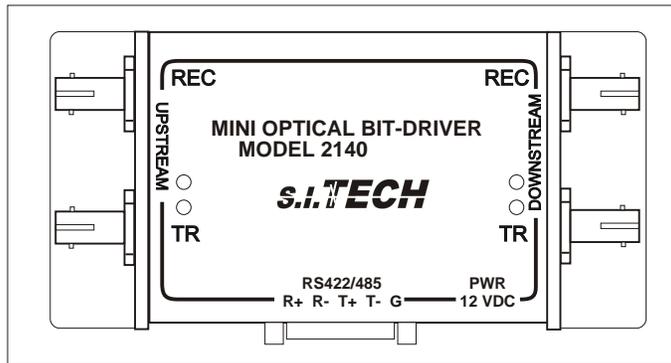


Optical Mini Bit-Driver



Features:

- RS-422/485 Multipoint operation with up to 32 nodes
- Various speeds - 110 bps to 230 Kbps, 4 Wire (Speed set at the factory)
- Flange Mounting
- Multimode or single mode options
- Repeater with 4-wire RS-422/485 Add/Drop

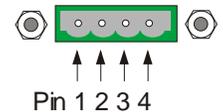
Fiber ports repeat data through the 2140 and drop/insert data on the RS-422/485 port. The RS-422/485 port inserts data onto both fiber ports and drops data from both fiber ports.

- Operation Mode:** RS-422/485 Full duplex, Async
- Input/Output Interface:** RS-422/485, 4 wire port operating 110 bps to 230 Kbps (Factory set)
- Transmission Line Interface:** ST connectors are standard for interfacing with fiber optic duplex cable (SMA option)
- Optical Power into a 62.5 Micron Core Optical Fiber:** 30 microwatts, 13 dB power budget @ 850 nanometers (1300 nm option)
- Receiver Sensitivity:** 1 microwatts at less than 10^{-9} bit error rate.
- Operating Temperature:** 0 °C to 50 °C (-40 to +85 °C option for Multimode, -20 to +60 °C - SM)
- Relative Humidity:** 10 to 95% Non-condensing
- Metal Enclosure:** 5.5 x 2.3 x 1.0 in (with flange) (13.97 x 5.84 x 2.54 cm) Panel or DIN rail mounting option
- Weight:** 0.4 lbs (182 grams)
- Input Power:** External with power supply (S.I. Tech #2121 - 110 VAC to 12 VDC)
- 230 Volt Version:** Use S.I.Tech 2164 power supply

RS - 422/485 CONNECTOR

Pin No.	Description	DB-9 Female Pin
1	R+ (Input)	4
2	R- (Input)	6
3	T+ (Output)	3
4	T- (Output)	9
	Ground	1, 5

RS - 422/485 CONNECTOR



OPERATING DISTANCE FOR FIBER OPTIC CABLE

Fiber Size (Microns)	Attenuation dB/Km	Distance Meters*	Distance Feet*
50	3.0	2000	6600
62.5	4.0	2000	6600
10 SM	1.0	10000	33000

* High power option available (20dB)
SM - Single Mode (1300nm). Temp: SM -20° to +60° C

ORDERING INFORMATION

Model Number	Description
2140-MM-B	Multimode to One side blank, ST Connectors
2140-MM-MM	Multimode to Multimode, ST Connectors
2140-MM-SM	Multimode to Single Mode, ST Connectors
2140-SM-SM	Single Mode to Single Mode, ST Connectors

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.

Specifications subject to change without notice.

