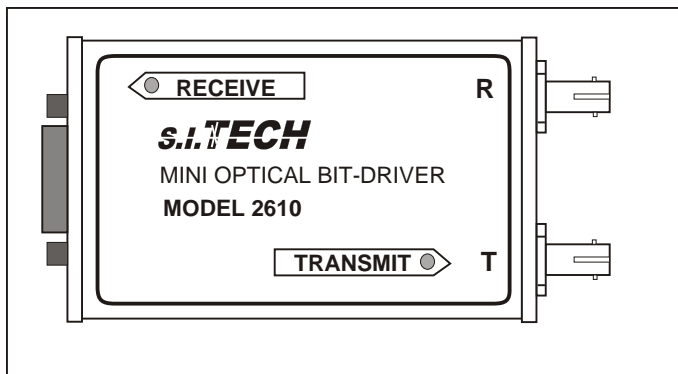


Optical Asynchronous Mini Bit-Driver Point to Point



Features:

- 0 to 115.0 Kbps asynchronous, RS-485 half duplex operation
- 6600 ft. (2Km) maximum distance capability
- -40 °C to +80 °C (-20 °C to +60 °C SM) operating range
- Multimode is standard, Single mode optional
- ST connector receptacle (SMA option)
- Designed to work with Johnson Controls System - N2 Bus or other PLC
- High temperature version of 2110
- For BACNET - order 2610-BAC

Operation Mode: Asynchronous, bi-directional, half duplex

Input/Output Interface: RS-485, 9 pin type D, asynchronous at 0 to 115.0 Kbps*** connects directly to terminal (RS 485 cable not required)

Transmission Line Interface: ST connector is standard for interfacing with fiber optic cable (SMA option)

Transmission Distance: See distance chart

Optical Power into a 50 Micron

Core Optical Fiber: 0.5 microwatt, 10 dB power budget* @ 880 nanometers

Receiver Sensitivity: 50 nanowatts at less than 10⁻⁹ bit error rate

Operating Temperature: -40 °C to +80 °C (-20 °C to +60 °C SM)

Metal Enclosure: 1.75 x 3 x 0.625 in (4.5 x 7.5 x 1.6 cm) Panel or DIN rail mounting options

Weight: 0.25 lb (100 grams)

Input Power: External with power supply (S.I. Tech #2121 - 110VAC to 12 Volt DC)

230V Version: Use S.I.Tech 2122 power supply

*** Data rate must be set at factory

Meets FCC requirements of Class A, Part 15 Computing Devices Standard.
Specifications subject to change without notice.



RS - 485 9 PIN CONNECTOR - FEMALE PINS UTILIZED BY 2610 MINI BIT - DRIVER

Pin No.	Description	Symbol
1	Signal Ground	SG
2	NC	
3	Data (+)	D +
5	Signal Ground	SG
6	NC	
7	Termination (+)	T +
8	Termination (-)	T -
9	Data (-)	D -

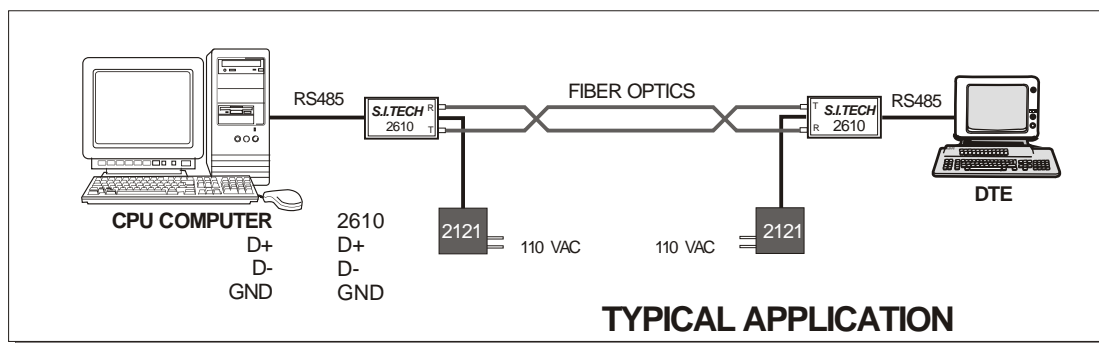
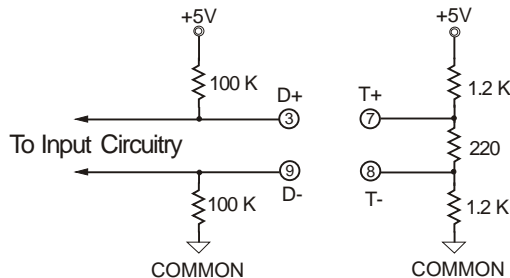
OPERATING DISTANCE FOR FIBER OPTIC CABLE

Fiber Size (Microns)	Attenuation dB/km	Distance Meters*	Distance Feet*
50	3.0	2000	6600
62.5	4.0	2000	6600
100	5.0	2000	6600
10 SM**	1.0	7000	23000

* High power option available

** Single mode (1300nm) option

Termination Resistors provided in Bit-Driver



TYPICAL APPLICATION