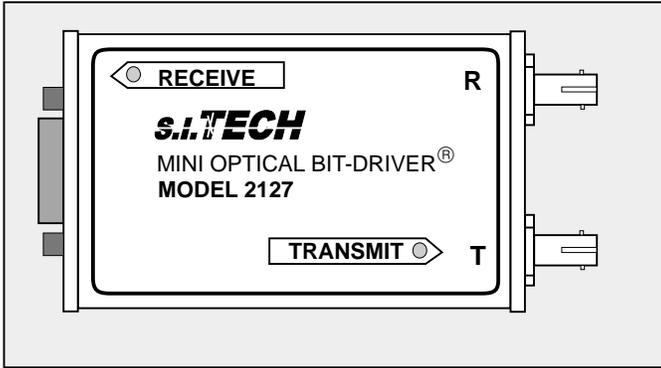


# Model 2127



## Optical Mini Bit-Driver®



**Features:**

- Custom designed to work with Omron PLC
- RS-485 to Fiber Bit-Driver

**RS - 485 DB-9F FEMALE CONNECTOR PINS UTILIZED BY 2127 MINI BIT - DRIVER®**

Pin No.	Description
1	GROUND
5	GROUND
6	+ 12 VDC (Option)*
8	DATA +
9	DATA -

\*Needs to be factory configured

**Operation Mode:** Synchronous half duplex

**Input/Output Interface:** RS-485, 2 wire port operating at 187.5 Kbps

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

**Optical Power into a 50 Micron**

**Core Optical Fiber:** 4 microwatts, 13 dB power budget @ 850 nanometers

**Receiver Sensitivity:** 200 nanowatts at less than 10<sup>-9</sup> bit error rate, 10 microwatts max

**Operating Temperature:** 0 °C to 50 °C

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

**Weight:** 0.25 lb (100 grams)

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

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

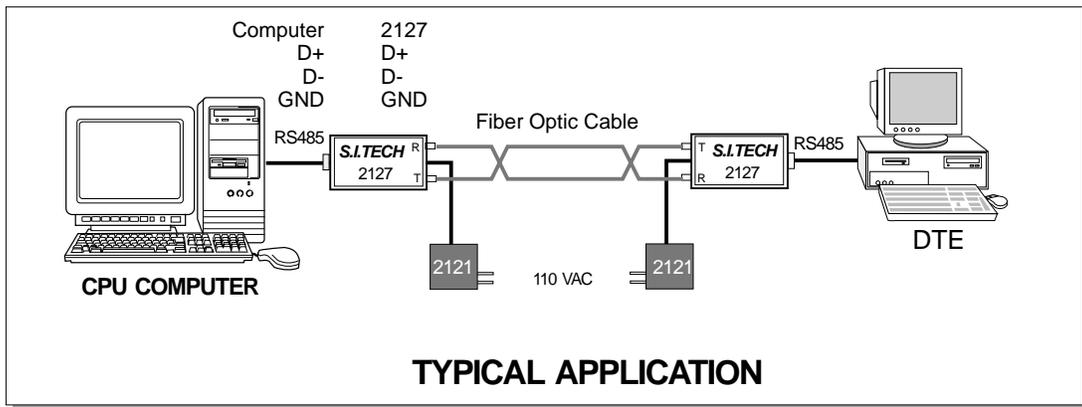
**OPERATING DISTANCE FOR FIBER OPTIC CABLE**

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

\* High power option available

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

*Specifications subject to change without notice.*



**TYPICAL APPLICATION**