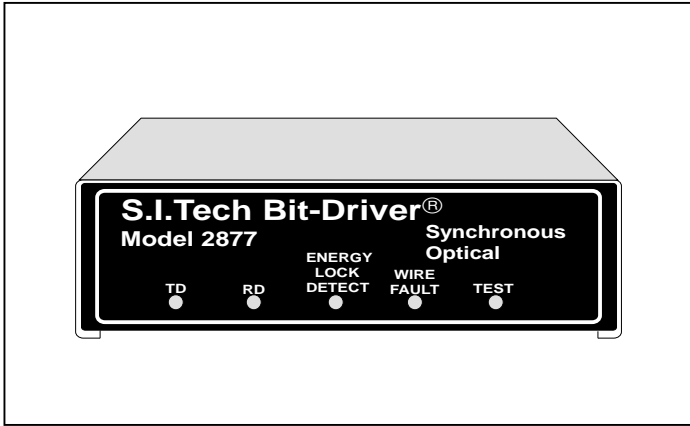


Model 2877 and 2878



Token Ring to Fiber Optic Bit - Driver[®]



The S.I.Tech Model 2877 and 2878 Bit-Driver[®] is designed to be used in an IBM Token Ring Local Area Network between wiring concentrators (MAU) and between MAU and workstation respectively. This transceiver provides optical isolation between concentrators, greater signal transmission distances, elimination of lightning strike damage when used outdoors between buildings, and elimination of RFI/EMI interface.

This device is a stand alone transceiver that can easily be substituted for the cable connection between wiring concentrators. Simply disconnect the cable connecting the wiring concentrators. Connect a transceiver at each wiring concentrator and connect the transceivers together with fiber optic cable and the optical link is ready to use.

- Operation Mode:** 4/16 Mbps IBM Token Ring Protocol
Switch selectable - 4 or 16 Mbps
- Input/Output Interface:** 9 pin, Type D Connector
- Transmission Line Interface:** 2 ST or SMA fiber optic receptacles
- Transmission Distance:** 6600 ft. (2.0 Km)*
- Transmitter Output Power:** 10 microwatts into 50 micron fiber
- System Wavelength:** 820 nanometers (1300 nm option)
- Receiver Sensitivity:** 1 microwatts at less than 10^{-9} bit error rate
- Operating Temperature:** 0 °C to 50 °C
- Metal Enclosure:** 7.5" X 7" X 3"
(19 X 17.8 X 7.6 cm)
- Weight:** 3 lbs. (1.36Kg)
- Input Power:** 110 VAC, 50/60 Hz, 10 W
- 230V Version:** 2877V and 2878V

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	7000	23000

* 5 Km option available on 2877 and 2878.

** Single mode (1300nm) option (Check Network Timing Restrictions)
Short lengths of some fiber types may overload the receiver

Optical unit connection: Connect the optical transmission line to the T and R receptacles. Note which cable channel goes to T or R by noting cable imprint. On the other end, reverse the connection.

Note: Phantom current option - S.I. Tech Model 2878 for use between port of MAU and workstation.

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Meets FCC requirements of Class A, Part 15 Computing Devices Standard. IEEE 802.5 Standard. UL and CSA Listed. Specifications subject to change without notice.

