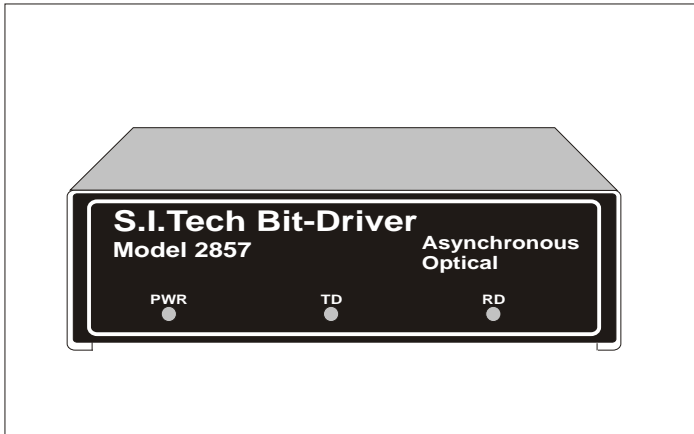


Model 2857



RS-422 to Fiber Optic Bit-Driver



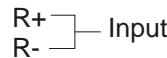
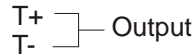
The S.I.Tech Model 2857 is designed for high speed RS-422 data communication using fiber. This system uses 4 wire RS-422.

Status Indicators:

PWR: Power On

TD: Optical Transmitter On

RD: Optical Port Receiving Data



- Operation Mode:** Asynchronous, simplex or full duplex, 20 Mbps
- Input/Output Interface:** RS-422, 4 wire terminal block
- Transmission Line Interface:** 2 ST fiber optic receptacles (SMA option)
- Transmission Distance:** See distance chart
- Transmitter Output Power:** 30 microwatts into 50 micron fiber
- System Wavelength:** 820 nanometers (1300 nm option)
- Minimum Sensitivity:** 3 microwatts @ 820 nanometers at less than 10^{-9} bit error rate
- Operating Temperature:** 0 °C to 50 °C
- Input Power:** 110 VAC 60 Hz
- Metal Enclosure:** 7.5" x 7" x 3" (19 x 17.8 x 7.6 cm)
- 1U 19" Rack:** 17"W x 1.75"H x 7.5"D (43.2 x 4.3 x 19.0 cm)
- Weight:** 3 lbs. (1.36 kg)
- 230 Volt Version:** 2857V

Operating Distance for Fiber Optic Cable

Fiber Size (Microns)	Attenuation (dB/Km)			Distance (Meters)			Distance (Feet)		
	Wavelength (nm)			Wavelength (nm)			Wavelength (nm)		
	850	1300	1550	850	1300	1550	850	1300	1550
50	3.0	1.0	-	2000	6000	-	6600	20000	-
62.5	4.0	1.0	-	2000	6000	-	6600	20000	-
10 SM*	-	0.35	0.25	-	10000	12000	-	33000	40000

* Single mode (1300nm) option

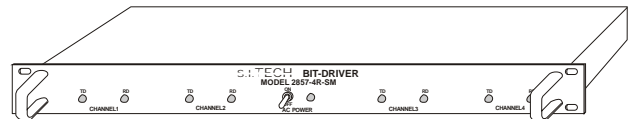
Optical unit connection: Connect the optical transmission line to the T and R receptacles. Note which cable channel goes to T or R by noting cable imprint. On the other end, reverse the connection.

Meets FCC Requirements of Class A, Part 15 Computing Device Standard. UL listed.
Specifications subject to change without notice.

Related Products

Model Numbers

- 2857 RS422 to Fiber, Multimode, 110VAC, ST
- 2857-V RS422 to Fiber, Multimode, 230VAC, ST
- 2857-SM RS422 to Fiber, Single Mode, 110VAC, ST
- 2857-2R RS422 to Fiber, 2 Ch Rack Mounted, 110VAC, ST
- 2857-4R RS422 to Fiber, 4 Ch Rack Mounted, 110VAC, ST
- 2857-4R-SM RS422 to Fiber, 4 Ch Rck Mnt, Single mode, 110VAC, ST



TYPICAL APPLICATION

