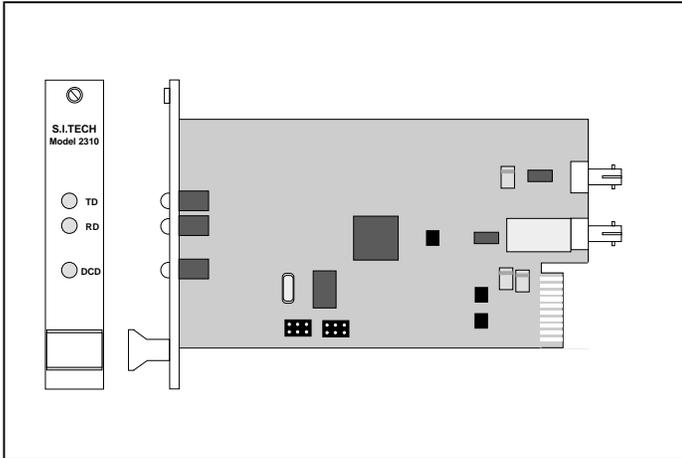


Optical Asynchronous Bit-Driver[®] Point to Point



Features:

- 0 to 56 Kbps asynchronous half duplex operation
- 6600 ft. (2 Km) distance capability
- 0 ° C to + 50 ° C operating range
- ST connector receptacle (SMA option)
- Designed to work with Johnson Controls System and with S.I.Tech Model 2110
- To be used with bussed motherboard 3520, power supply 4000, and series 3000 rack

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 1300 nm option

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

Operation Mode: Asynchronous, half duplex RS-485

Input/Output Interface: Asynchronous at 0 to 56 Kbps (data rate must be set at factory)

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

Transmission Distance: 6600 ft. (2 Km)

Optical Power into a 50 Micron

Core Optical Fiber: 5 microwatts, 10 dB power budget @ 880 nanometers (High power option)

Receiver Sensitivity: 250 nanowatts at less than 10⁻⁹ bit error rate

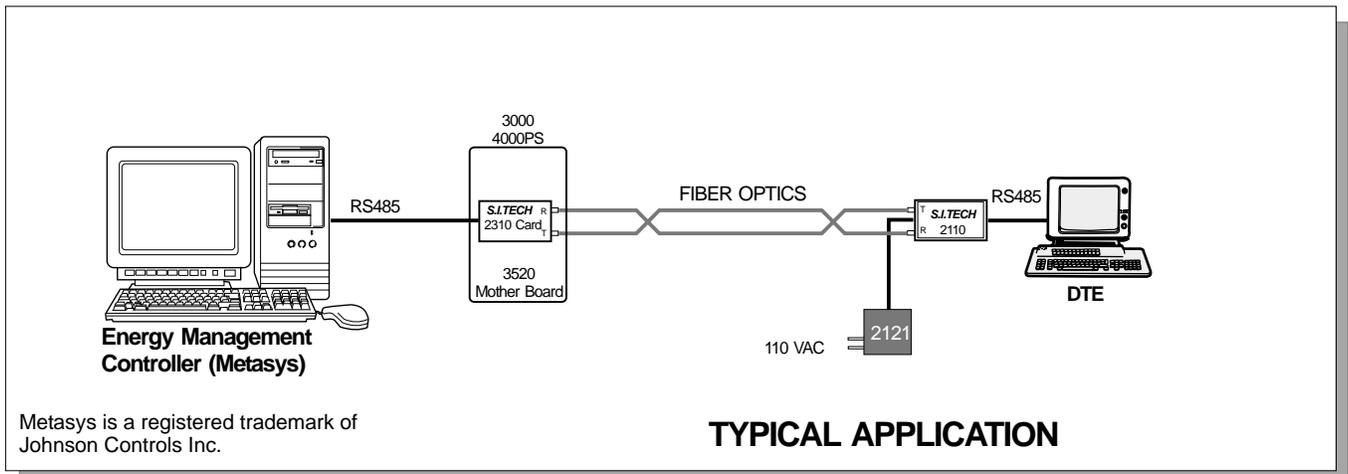
Operating Temperature: 0 °C to 50 °C

Enclosure: 19" rack

Card Size: Eurocard 3.9" x 6.8" (9.9 x 7.3 cm)

Weight: 0.5 lb (200 grams)

Termination: Last device on RS-485 bus should be terminated



Metasys is a registered trademark of Johnson Controls Inc.

TYPICAL APPLICATION