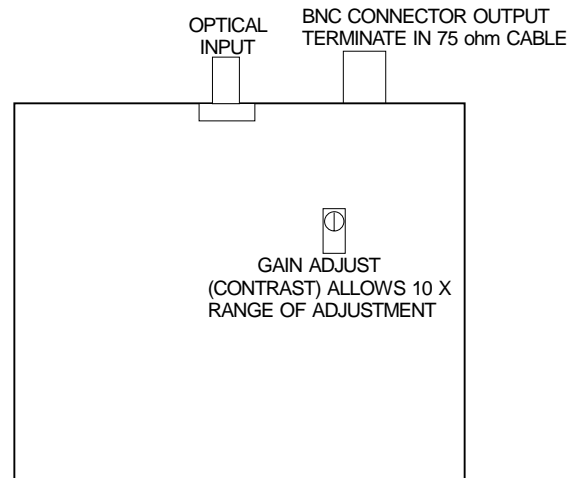


**CCTV - Fiber Optic Video System**



**S.I.Tech 2810 Fiber Optic Receiver Adjustments**



- Operation Mode:** CCTV video - color or black and white
- System Bandwidth:** 10 Hz to 15 MHz
- Transmitter Input Impedance:** 75 ohms, BNC bulkhead jack
- Input Voltage:** 1 Volt rms
- Receiver Adjustment Range:** 40:1
- Linearity:** 1 percent typical
- Output Load Impedance:** 75 ohms
- Operating Wavelength\*:** 820 nanometers (1300 nm options)
- Optical Connectors:** ST or SMA receptacle
- Operating Temperature:** 0 °C to 50 °C
- Plastic Enclosure:** 6" X 6.5" X 2.75"  
(15.2 X 16.5 X 7 cm)
- Weight:** 2lbs. (1 kg)
- Input Power:** 110 VAC 50/60 Hz
- 220 Volt Version:** Model 2809V TR/2810V REC

Optical Power Budget: 50 Micron fiber 7 dB  
62.5 Micron fiber 10 dB  
100 Micron fiber 17 dB

Note: Adjust gain in receiver preamp for desired output (clips at 2 Vpp with 75 ohm load 4 Vpp open circuit)

**Operating Distance for Fiber Optic Cable**

Fiber Size (Microns)	Attenuation dB/Km	Minimum Distance** Feet/Meters
100	5.0	1600/500
62.5	4.0	0/0
50	3.0	0/0
10 SM	1.0	0/0

SM - Single mode (1300nm) option  
\*\* Short lengths of some fiber types can overload the receiver. Longer distance can be used if less bandwidth or higher noise is acceptable.

**\*1300 nanometers is an option for 5 km system**

*Specifications subject to change without notice.*

**TYPICAL APPLICATION**

