

AL & DL SERIES Fiber Optic Links



FEATURES

- Fiber Optic Analog and Digital Link consists of separate Transmitter and Receiver Modules packed in handy, rugged casing with connectors for signal and power inputs and outputs.
- These links are used with plastic fiber and glass fiber for forming simple Analog & Digital Link. These links can be used for Analog and Digital communication for a small distance and project purposes for Educational as well as Industrial Prototypes.
- An exhaustive manual has been provided with the links, which provides detailed experimental procedure and complete circuit diagram of the links.

SPECIFICATIONS

AL-01

Fiber Optic Analog Link at 660nm for Plastic Fiber

- TX: SFH 756 - 660nm - Visible LED
- RX: SFH 250 - Photo Diode Detector
- Bandwidth: 1MHz
- Fiber Optic Cable: Plastic Fiber
- Type: Step Index, Multimode
- Power supply: -12v , +12v , +5v , GND
- Numerical Aperture: 0.5

AL-02

Fiber Optic Analog Link at 950nm for Plastic Fiber

- TX: SFH 450 - 950nm - Infrared
- RX: SFH 250 - Photo Diode
- Bandwidth: 300KHz
- Fiber Optic Cable: Plastic Fiber
- Type: Step Index, Multimode
- Power supply: -12v , +12v , +5v , GND
- Numerical Aperture: 0.5

AL-03

Fiber Optic Analog Link at 850nm for Glass Fiber

- TX: 850nm - Glass Fiber Optic LED

- RX: Photo Diode
- Fiber Optic Cable: Glass Fiber
- Type: Multimode
- Power supply: -12v , +12v , +5v , GND
- Numerical Aperture: 0.5

DL-01

Fiber Optic Digital Link at 660nm for Plastic Fiber

- TX: SFH 756 - 660nm - Visible LED
- RX: SFH 551 - Photo Transistor TTL Output
- Bandwidth: 3 MHz
- Fiber Optic Cable: Plastic Fiber
- Type: Step Index, Multimode
- Power supply: -12v , +12v , +5v , GND
- Numerical Aperture: 0.5

DL-02

Fiber Optic Digital Link at 950nm for Plastic Fiber

- TX: SFH 450 - 950nm - Infrared
- RX: SFH 551 - Photo Transistor Detector TTL Output
- Bandwidth: 1MHz
- Fiber Optic Cable: Plastic Fiber
- Type: Step Index, Multimode
- Power supply: -12v , +12v , +5v , GND
- Numerical Aperture: 0.5

DL-03

Glass Fiber Based Digital Link at 850nm for Glass Fiber

- TX: 850nm - Glass Fiber Optic LED
- RX: Silicon Photo Detector with TTL Output
- Bandwidth: 10 MHz
- Fiber Optic Cable: Glass Fiber
- Type: Multimode
- Power supply: -12v , +12v , +5v , GND
- Numerical Aperture: 0.5

ACCESSORIES

- Fiber optic cable - Multimode plastic fiber
- Patch cords
- Manual