

Optical Intercom Station

INCX-4001

For Fiber Optic Intercom Applications

The **Litelink**® INCX-4001 consists of a high quality audio transceiver specifically designed to implement a complete fiber optic intercom. The unit contains a speaker/microphone as well as an optic transmitter and receiver and can be used as a party-line (paging) or simple point-to-point intercom. Push-to-talk or voice operated hands-free operation are available as is an audible call feature. The unit is provided in a rugged metal enclosure and may be used on a desktop or mounted to a wall as required. The unit may also be mounted in an ENCL-1002 for use outdoors.



No other items are necessary to implement a complete fiber optic intercom.

Technical Specifications

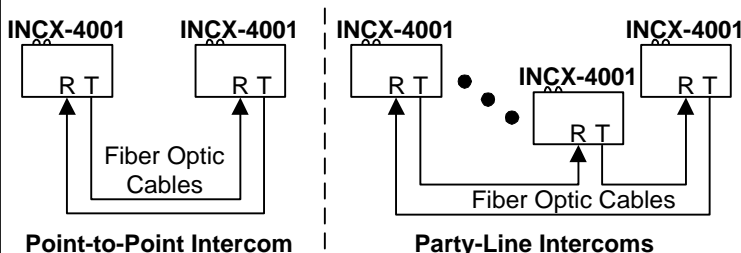
Important Features

Audio Bandwidth (minimum)	300 to 3500 Hz (+0,-3dB)
Audio Input / Output	Integral speaker/microphone
Auxiliary Input / Output	Jack for optional handset
Audio Output	1 watt maximum
Controls	Call, Push-to-Talk, Volume, PTT/Hand-Free select
Operating Wavelength	850, 1310 or 1550nm
Optical Output Power	-16dBm (multimode) -16dBm (single-mode)
Optical Loss Budget	0-13dB (multimode) 0-13dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217D)	>120,000 hours
Power Requirements**	11-24 VAC/DC @150 mA
Physical Size (mm)	7.0" (178) x 5.0" (127) x 1.5" (39)

Note that all specifications are subject to change without prior notice.

- **Complete Intercom - No other components required**
- **Push to Talk or Hands Free Operation**
- **Point-to-point or party line operation**
- **Multimode or single-mode versions**
- **Distances of up to 40 miles (60 Km) possible**

Typical Optical Intercom Applications



Ordering Information

Optical Intercom Station
INCX-4001-X

"X" = Wavelength/Fiber
-1 = 850nm Multimode
-3 = 1310nm Multimode
-7 = 1310nm Single-mode
-9 = 1550nm Single-mode

**A PS-1205 power supply is required.

Litelink®

Fiber Optic Transmission Systems

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