

## TELEPHONE / INTERCOM

## TLPX/TLLX-1001

### For Tone-type "POTS"\* Applications

The TLPX/TLLX-1001 system consists of the TLPX-1001 transmitter and TLLX-1001 receiver. Both units provide a fiber optic interface between a standard tone-type telephone and the standard US telephone line (POTS\*). All functions including full duplex audio, dial tone, ringing and connect/disconnect are supported. Use a pair of TLPX-1001 you can create an intercom system.

Both multimode and single-mode versions are available and connections to and from the telephone and telephone line are by means of standard modular plugs. In addition, integral LEDs are provided on both units to continuously indicate the presence of the off-hook condition as well as the presence of operating power making system troubleshooting simple.



### Technical Specifications

### Important Features

Audio Bandwidth (minimum)	300 Hz to 3000 Hz
TLLX-1001 Compatibility	Standard US Telephone Line
TLPX-1001 Compatibility	Tone-type telephone
Noise Level	50dB minimum
Ringing Voltage	90 V nominal, 20Hz
Operating Wavelength	850, 1310 or 1550nm
Optical Output Power	-16dBm (multimode) -16dBm (single-mode)
Optical Loss Budget	0-10dB (multimode) 0-10dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connectors	RJ-11
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217)	>120,000 hours
Power Requirements**	11-18 VAC/DC @150 mA
Physical Size (mm)	5.0" (127) x 3.0" (76) x 1.0" (25.4)

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

\* "POTS" signifies "plain old telephone service".

- **Standard "POTS"\* US Telephone Line**
- **Multimode or Single-mode versions**
- **Stand-alone, DIN or Rack Mountable (same unit)**
- **Intercom Capability with two TLPX- 1001 Units**

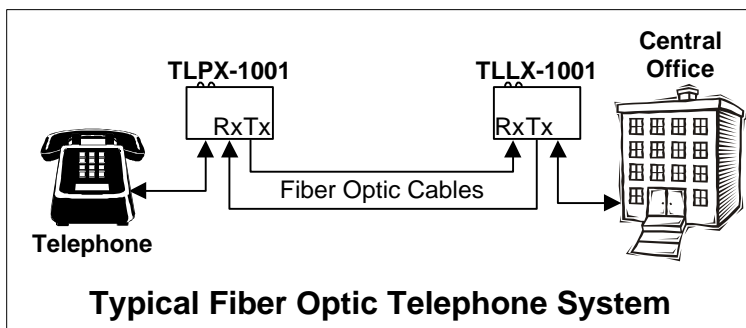
### Ordering Information

Telephone, TLPX-1001-X  
POTS Line, TLLX-1001-X

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

\*\*For stand-alone operation order a PS-1205 power supply for each unit.

\*\*For rack mounted operation all operating power is provided by power supply used with the rack mounting panel.



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