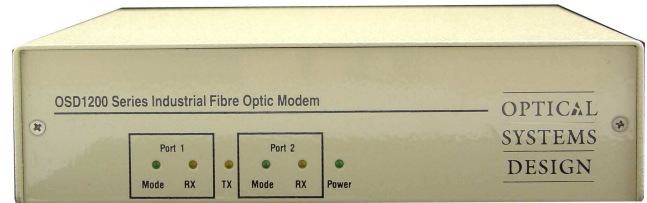


APPLICATIONS

Industrial networks based on the following programmable logic controllers (PLC)

- ▲ GE Genius
- ▲ Siemens Synec
- ▲ Modicon Modbus Plus
- ▲ Square D Synet

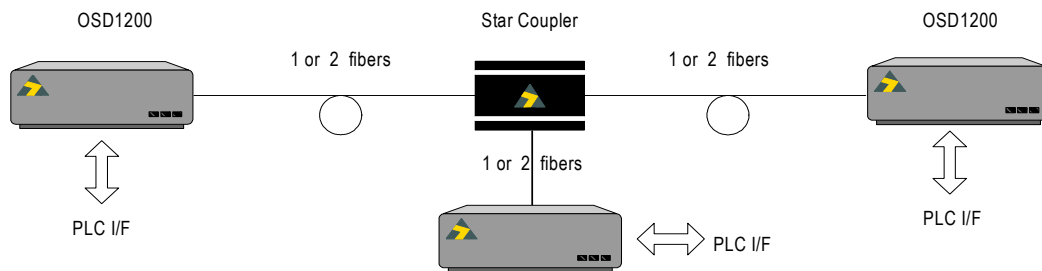


FEATURES AND BENEFITS

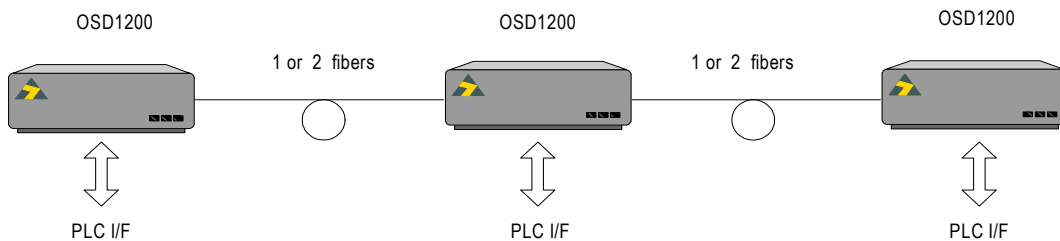
- ▲ Extends module separation to several kilometres
- ▲ Compatible with all common fiber sizes
- ▲ Complete end-to-end isolation
- ▲ Immune to electrical interference
- ▲ Safe transmission in hazardous environments
- ▲ Built in test mode
- ▲ Built in repeater module (optional)
- ▲ Supports both Bus and Star topologies

TYPICAL APPLICATION DESIGN

STAR CONFIGURATION



BUS CONFIGURATION



ORDERING INFORMATION

- OSD120X Chassis and Power Supply with "X" type interface module
- OSD120XR Repeater version of the OSD120X
- Option L Singlemode version



SPECIFICATIONS

OPTICAL

Coupled Transmit Power	-19 to -17dBm peak into 62.5/125 multimode fiber -20 to -18dBm peak into singlemode fiber (OSD120XL version only)
Power Adjust Range	6dB nominal
Receiver Sensitivity	<-40dBm peak for 1×10^{-9} BER
Optical Link Budget	>21dB at 850nm (>6km of multimode fiber) >20dB at 1310nm for "L" versions (>50km of singlemode fiber)
Optical Wavelength	850nm (1310nm optional for OSD120XL versions)
Optical Connector	ST standard

PLC INTERFACES

GE Genius	OSD1201
Square D Synet	OSD1202
Modicon Modbus Plus	OSD1204
Siemens Synec	OSD1205