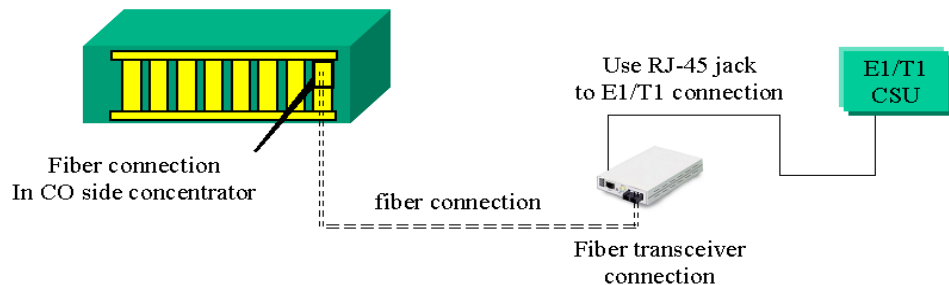


Installation

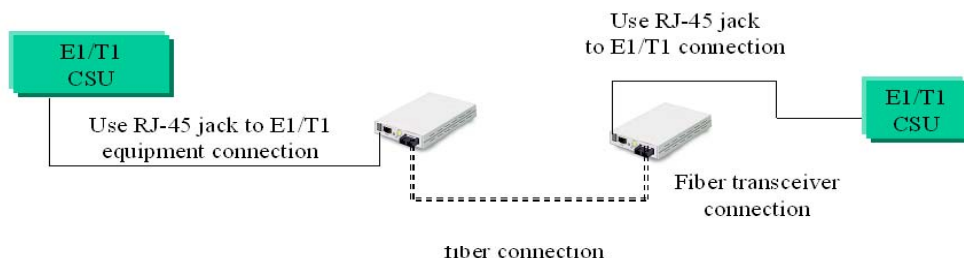
Connect the fiber interface cable to the DCE FIBER-X and other fiber extender equipment. Using a twisted-pair cable, connect the RJ-45 connector at one end of the cable to the fiber extender, connect the RJ-45 connector of E1/T1 CSU equipment at the other end of cable. Follow the connection examples below. Install the fiber converter with the AC/DC power adapter provided.

Connections

The following example illustrates the connection scheme when connecting from a fiber port of one concentrator to the fiber port of another DCE FIBER-X fiber extender.



The following example illustrates the connection scheme when point to point application is used.



This fiber extender incorporates a Far End Fault feature which allows the stations on *both* ends of a pair of fibers to be informed when there is a problem with *one* of the fibers. Without Far End Fault, it is impossible for a fiber interface to detect a problem that affects only its *Transmit* fiber. When Far End Fault is supported and enabled, a loss of receive signal (link) will cause the transmitter to generate a Far End Fault pattern in order to inform the device at the far end of the fiber pair that a fault has occurred. When the local receiver again detects a signal, the local transmitter automatically returns to normal operation.

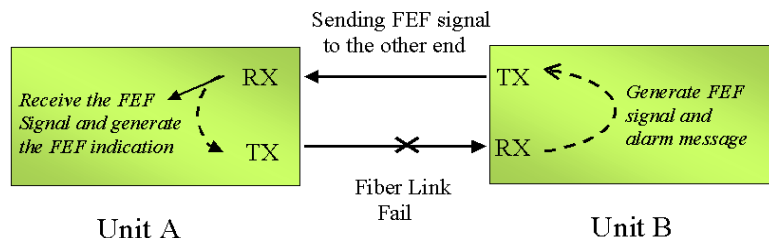


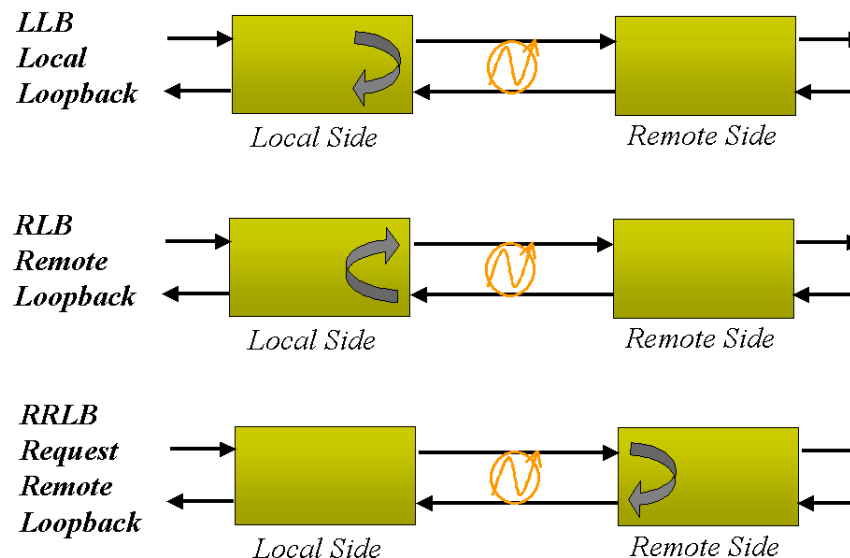
Figure : Far End Fault

Loop-back Testing(LBT)Note :

(While this feature is operating the fiber side transmission will be halted)

This media converter incorporates Loop-back Testing features that may be used with BERT test equipment. Loopback is enabled by the DIP switch#3&4 on the front panel.

The DCE FIBER-X series is compatible with DCE FRM1 rack series on this feature. You may test the whole application with DCE FIBER-X & DCE FRM1 rack.



TRADEMARKS

ST® is a registered trademark of AT&T.

WARNING:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference in which case the user will be required to correct the interference at his own expense. NOTICE: (1) The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. (2) Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

CISPR PUB.22 Class A COMPLIANCE:

This device complies with EMC directive of the European Community and meets or exceeds the following technical standard: EN 55022 - Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment. This device complies with CISPR Class A.

WARNING:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

CE NOTICE

Marking by the symbol CE indicates compliance of this equipment to the EMC directive of the European Community. Such marking is indicative that this equipment meets or exceeds the following technical standards: EN 55022:1994/A1:1995/A2:1997 Class A and EN61000-3-2:1995, EN61000-3-3:1995 and EN50082-1:1997