4.LED Description

LED	Color	Function
FX-100	Green	Lit when 100Base-FX operation
FX-LINK/ACT	Green	Lit when fiber cable connection with remote device is good. Blinks when any FX traffic is present
Power	Green	Lit when +5V Power is available
FDX/Col	Green	Lit when full duplex mode is enable. Blinking when collision is present
TX-100	Green	Lit when 100Base-TX operation
TX-LINK/ACT	Green	Lit when TP cable connection with remote device is good. Blinks when any TX traffic is present

5. Technical Specifications

Dynamix converter support following standards:

Standards: IEEE802.3u Fast Ethernet 10/100Base-TX and 100Base-FX
Connectors: (RJ45-UTP and Fiber SC)
LED: Power, FDX/Col, FX-Link/Act, TX-Link/Act, FX100, TX100
Data Transfer Mode: 10/100Mbps
Duplex Mode : Full or Half Duplex Mode
Power requirement: AC 100-260V DC1A@+5V
Ambient temperature: 0 °C to 70 °C
Humidity: –5% to 90%(non-condensing)
Dimenstons:140mm*110mm*30mm (L*W*H)
Cable: Cat.5 UTP cable
Fiber: Single-mode

6.Fiber Optical Information

Fiber Optical Details:

	Dynamix -20Km 10/100	Dynamix -40Km 10/100
Connector Type	SC	SC
Typical Distance	20 km	40 km
Fiber Type	Single-mode	Single-mode
Wavelength	1310nm	1310nm
Min TX PWR	-15.0 dBm	-10.0 dBm
Max TX PWR	-7.0 dBm	-3.0 dBm
Sensitivity	-32.0 dBm	-33.0 dBm
Link Budget	17.0 dBm	23.0 dBm

Dynamix®

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Dynamix -20km 10/100
Dynamix -40km 10/100

Fast Ethernet Converter

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Dynamix -20km 10/100 - *Fiber Optic Media Converter 10/100M, single mode, 1310 nm, 20 km*

Dynamix -40km 10/100 - *Fiber Optic Media Converter 10/100M, single mode, 1310 nm, 40 km*

Description

Dynamix -20km 10/100 and Dynamix -40km 10/100 - fiber optic media converter be used to convert Ethernet's electric signal to fiber optic signal's.

Dynamix -20km 10/100 and Dynamix -40km 10/100 is a self-adapted single-fiber dual-direction fiber optic media converter with 10/100M.
Dynamix 10/100 Base-Tx to 100 Base-Fx Fast Ethernet media converter is fully compliant with all IEEE802.3u standards.

Dynamix -20km 10/100 and Dynamix -40km 10/100 single-mode media converter provide fully transparent operation and network distance flexibility.

1.Checklist

Your Dynamix -20km 10/100 or Dynamix -40km 10/100 carton should contain the following items.
    Dynamix Media Converter
    AC-DC Power Adapter
    This User's Guide
Please notify your sales representative immediately if any items are missing or damaged.

2.Overview

Dynamix 10/100 Base-TX to 100 Base-FX Fast Ethernet Converter is fully compliant with all IEEE802.3u standards.
Dynamix -20km 10/100
and Dynamix -40km 10/100: SC Fiber Connector
(Single-mode)

Six LEDs display instant status monitoring for Power, Fdx/Col, Fx (Link/Act), Tx (Link/Act), Fx100, Tx100

3.Installation

Please follow the procedure outlined below:

✓ Turn off the power of the device/station in the network in which the converter will be installed
✓ Ensure that there is no activity in the network
✓ Attach fiber cable from the converter to the fiber network. The fiber connections must be matcher transmit socket to receive socket.
✓Attach a UTP cable from the 100Base-TX network to the RJ-45 port on the converter.

✓ Connect the power cord to the converter and check that the power LED lights up. The TP Link and FX Link LEDs will light when all the cable are right connected.

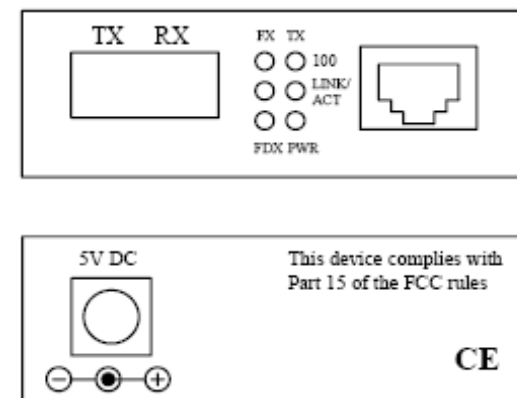Turn on the power of your device/station.

Fig. 1 Dynamix -20km 10/100 and Dynamix -40km 10/100 Converter Front & Side
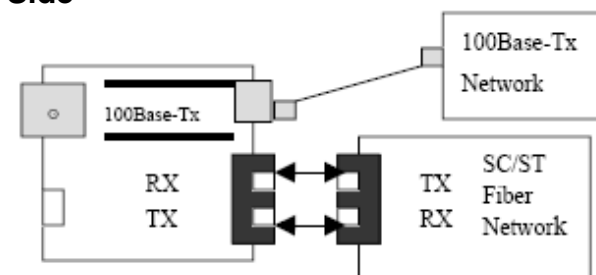

Fig.2 Basic Network Connection

Note:
A :Wiring pin-outs for connection of the TX port:
    To a hub or repeater (MPR) : 1 to 3, 2 to6,
    3 to 1, 6 to 2 (Crossover Cable)
    To a workstation (DTE):1,2,3,6 to 1,2,3,6
B: The full or half duplex mode must be selected for both the converter and the linked unit.