



**86C-SL
SERIES
SINGLEMODE**

Single Fiber Bi-directional Telephone Line Extender System

Features:

- ◆ Standard Telephone Interface
- ◆ One Singlemode Fiber
- ◆ Diagnostics: Power and Optical Presence
- ◆ Voice and FAX
- ◆ Includes: Contact from Handset to Line
- ◆ Compatible with Momentary Disconnect

SPECIFICATIONS:

Audio:

I/O Level0 dBm
 I/O Impedance 600 Ohms
 Audio Bandwidth 5 KHz
 SNR.....60 dB
 ConnectorRJ11

Contact Closure:

Input Switch Closure to Ground
 Output Dry Contact
 Response Time 2 ms
 Max Voltage 100 VDC or Peak AC
 Max Current 0.5 A
 Connector..... Terminal Block

Optical:

Wavelength 1300/1550nm
 Loss Budget (9/125μ).....21dB
 Connector FC

Temperature (Operating):

-40°C to +75°C, non-condensing

Power Supply:

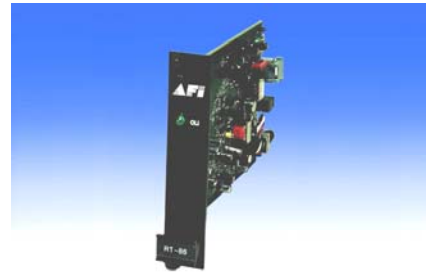
Module – 12VDC..... (AFI Part#: PS-12D)
 Rack Card –(see AFI Part #: SR –20/2)

Size:

Rack Card requires 1 rack slot – 6½" x1"x5"
 Module -..... 8 ⅞" x 4 ⅞" x 1 ⅞"

Ordering information:

RR-86C-SL= Rackcard Phone Line Interface
 RT-86C-SL= Rackcard Handset Device
 MR-86C-SL= Module Phone Line Interface
 MT-86C-SL= Module Handset Device



The American Fibertek 86C-SL Series transmits and receives standard telephone signals on one singlemode optical fiber using AM/FSK transmission. This system is designed to be completely transparent to all telephony signals including ring, off-hook, hook-switch flash and forward disconnect. Products require no field adjustments at installation or additional maintenance thereafter. Diagnostic Indicators provide a quick visual indication of system status. The 86C-SL Series are ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cage: SR-20/2.

The RT supports up to 1000 feet of 24 AWG wire from the fiber optic unit to the telephone handset.

The 86C-SL series product is also available in a "talk down" (order wire) phone system configuration. Contact the factory for details.

