DCB

DATA COMM FOR BUSINESS

RS232 to Multi-Mode Fiber Converter
Industrial Version

DESCRIPTION

The DCB RS232 to Multi-Mode fiber optic converter is a compact 1" high by 2.5" wide by 3" long. The converter is externally powered, available in a 12 volt, 24 volt or 48 volt version. All of these units are wide industrial temperature rated.

The unit bidirectionally converts RS232 to Multi-Mode fiber.

SPECIFICATIONS

Connectors:
3-wire power connector (+, -, Fr Ground)
Multi-mode ST fiber, 1 Tx, 1 Rx fiber
9-pin RS232 connector, DTE data (pins 2
  and 3) and ground (pin 5), positive RS232
voltage on pin 7, RTS
1" x 2.5" x 3"
-40 to +85 C operation

FEATURES

- Converts RS232 to Multi-Mode fiber
- Bi-directional
- 9-Pin DTE pinout for RS232
- Compact Size: 1" x 2.5" x 3"
- DC power input or DC adapter power
- 12, 24 or 48 VDC power supply
- Under 1 watt (measured 70 ma @ 12VDC)
- Industrial Temperature Rated -40 to +85C
- -34.4 dB Receive Sensitivity, 2 Km range
- -16 minimum transmit level
- Use with 50/125, 62.5/125, 100/140 fiber
- Data rates of 0 to 230.4 Kbps
- Provides noise and ground loop immunity for serial circuits

How to Order

Part #	Description
9802087	9-19 VDCpowered adapter, *no power supply included,* Temperature Rated –40 C to +85 C
9001156	120VAC to 12 VDC supply
9802088	18-36 VDC powered adapter, *no power supply included*, Temperature Rated –40 C to +85 C
9802089	36-72 VDC powered adapter, *no power supply included* Temperature Rated –40 C to +85 C

Typical application is from one RS232 device to another RS232 device over Multi-Mode fiber. Typical performance is -34.4 dbM receive sensitivity, 2 km distance with 62.5/125 fiber cable. Control leads are *not* passed through or converted.

On the interface converter, the green connector is DC power, the 9-pin connector is RS232. Pin 2 is Receive Data, data into the adapter, pin 3 is Transmit Data, data out of the adapter, and pin 5 is Signal Ground. Pin 7, RTS, has a positive voltage out of the unit. These pins are identical to those on a 9-pin pc interface. All the other pins on the 9-pin connector are ignored.

Several cable adapters are available for connecting the unit to other devices.

Part #	Description
9802012	PC Direct DE9S to RJ45, use with 9802014
9802014	PC Remote DE9S to RJ45 use with 9802012
9801033	DE9S to DE9S null modem cable
9801009	DE9S to DB-25P PC to modem cable

Data Comm for Business, Inc.
2949 CR 1000 E
Dewey, IL 61840
Voice   8004DCBNET
         (800.432.2638)
Fax   217.897.1331
Email   info@dcbnet.com
Web   http://www.dcbnet.com