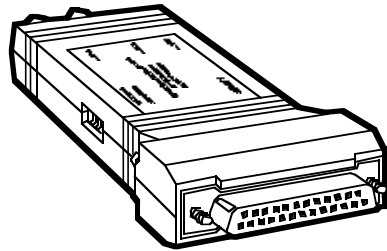


BLACK BOX[®]

NETWORK SERVICES

Industrial Fibre Drivers



Connect and extend RS-232, RS-485, and Centronics interfaces.

Technically Speaking

Extend your RS-232, RS-485, or Centronics interfaces over single or multimode fibre with these Industrial Fibre Drivers.

Nine models are available. AC, 24-VDC, and 48-VDC

versions are available for all three interfaces (serial RS-232, parallel Centronics, and serial RS-485).

The 24- and 48-VDC models are handy for critical industrial applications that require DC power. And the

48-volt models are compatible with Bell R.O.C. equipment. If you're not using DC power, use the AC models.

Use the Drivers in matched pairs, or order different interfaces to accommodate a mixed application (for example, RS-232 over fiber to a Centronics[®] parallel printer). To make sure you don't end up with two transmitting (input) devices and no receiving (output) device, each

Driver can be set for Input or Output.

And the RS-232 Drivers are switch-selectable for either DTE or DCE application, eliminating the need for special cables.

To connect your FibreDrivers, use single-mode or multimode fibreoptic cable with ST[®] connectors.

Specifications

Speed — Serial: 115.2 Kbps;
Parallel: 230 Kbps in nibble mode

Distance — Varies with fibre type and dB loss

Interface — RS-232, Centronics parallel, 2- or 4-wire RS-485

Connectors — Fibre: (2) ST; RS-232: DB25 female; RS-485: DB9 female; Parallel: DB25 female (PC standard pinout)

Fibre Compatibility — Single-mode: 8/125 μ ; Multimode: 50- μ to 200- μ core

Fibre Input Sensitivity — 1 μ W

Fibre Output Power — 100 μ W

Wavelength — 820 nm

MTBF — >75,000 hours

Operating Temperature — 0 to 70°C

Storage Temperature — 10 to +85°C

Humidity Tolerance — 10 to 95%, noncondensing

Maximum Altitude Tolerance — (4570 m)

Power — ME310A, ME315A, ME320A: 115 VAC (230-VAC model available on request); ME310A-D24, ME315A-D24, ME320A-D24: 24 VDC; ME310A-D48, ME315A-D48, ME320A-D48: 48 VDC; 250-mA maximum

Size — AC models: 2.5 x 5.8 x 9.4 cm; 24- and 48-VDC models: (5.8 x 12.7 x 12.7 cm)

Weight — 0.6 kg with power supply

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
Industrial Fibre Drivers	
RS-232↔Fibre	
AC	ME320AE
24-VDC.....	ME320A-D24
48-VDC.....	ME320A-D48
Centronics↔Fibre	
AC	ME315AE
24-VDC.....	ME315A-D24
48-VDC.....	ME315A-D48
RS-485↔Fibre	
AC	ME310AE
24-VDC.....	ME310A-D24
48-VDC.....	ME310A-D48