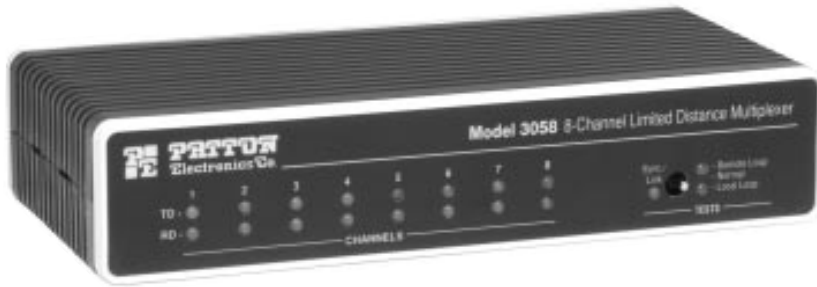


MULTIPLIXERS

PATTON MODEL 3054, 3056 & 3058 4, 6 & 8 Channel Limited Distance Multiplexers



Features

- ◆ Multiplexes **4, 6 or 8** async devices onto two twisted pairs
- ◆ Simultaneous sub-channel data rates up to **19.2 kbps**
- ◆ Two-pair distances up to **6000 ft (1.8 km)** between multiplexers
- ◆ Support for **RS-232** or **RS-422** interfaces on modular RJ-45 connectors (D-sub adapter cables available)
- ◆ End-to-end software flow control
- ◆ Hardware (RTS/CTS) flow control (Models 3054 & 3056)
- ◆ Local and remote **loopback tests**
- ◆ LEDs monitor TD, RD (each sub-channel), link and diagnostics
- ◆ Miniature plastic enclosure fits in tight installation spaces

Description

The Patton **Model 305X Series** limited distance multiplexers combine two functions into one handy product. First, each Model 305X Series unit is a time division multiplexer (TDM), multiplexing 4, 6 or 8 individual RS-232–or RS-422– devices onto a single composite channel. Second, each Model 305X Series unit is a short range modem, supporting point-to-point communication at distances up to 6,000 ft (1.8 km) over two unconditioned twisted pairs. All Model 305X Series units support end-to-end software flow control, and are equipped with local and remote loopback tests. (The Model 3054 and 3056 also support RTS/CTS hardware flow control.) In addition, diagnostic LEDs show each sub-channel's status. All data interfaces are ported to modular RJ-45 jacks, and various D-sub adapter cables are available .

Specifications

Transmission Lines: Main channel and RS-422 sub-channels, 19 to 26 AWG (.9 mm -.4 mm) twisted pair; RS-232 sub-channels, flat silver cable; **Range:** 6000 feet (1.8 km) over twisted pair 24 AWG (.5 mm) between multiplexers; 1000 feet (304 m) on RS-422 sub-channels; 50 feet (15.2 m) on RS-232 sub-channels; **Interfaces:** Asynchronous RS-232, ITU/CCITT; **Data Rates:** 0-19.2 kbps on sub-channels; **Indicators:** Transmit Data, Receive Data, Link, Local Loopback, Remote Loop; **Test Modes:** Local loopback, remote loop; **Connectors:** RJ-45 female on main & sub-channels; **Power Supply:** 9-12 Volts AC; **Temperature Range:** 32-140°F (0-60°C); **Altitude:** 0-15,000 feet (4.5 km); **Humidity:** 5 to 95% non-condensing; **Dimensions:** 8.5" W x 3.5"L x 1.5"H; (21.6 cm x 8.9 cm x 3.8 cm); **Weight:** Multiplexer, 4.75 lbs (2.15 kg); Power supply, 2.0 lbs (.97 kg); **Emissions:** FCC part 15 Class A, 89/336/EEC (EN55022); **Immunity:** 89/336/EEC (EN50082-1); **Safety:** 73/23/EEC (EN60950).