



***SLC*[®]-2000 MSDT**

AYB1B Optical Unit — 5SCF240

This data sheet describes the AYB1B optical unit (OU) (COMCODE 105550461) and is intended for the end-user of the unit. The AYB1B OU is designed to be used in *SLC* Carrier Systems featuring Fiber in the Loop (FITL). The AYB1B OU is used at the remote terminal (RT) in the high density optics shelf (HDOS). The OU provides electrical-to-optical and optical-to-electrical signal conversions.

This data sheet is reissued to reflect the use of the AYB1B OU in the FITL configurations.

Figure 1 is a functional block diagram of the unit, and Figure 2 shows the faceplate.

The AYB1B OU receives electrical 1.544 Mb/s signals from the MSDT Server. It converts the electrical 1.544 Mb/s signal to an optical 1.544 Mb/s signal using a laser diode and transmits it over one single-mode fiber at 1310 nm to the opposite end of the loop. The optical 1.544 Mb/s signal is then converted by another OU at the far end of the loop to an electrical 1.544 Mb/s signal using a positive-intrinsic-negative (PIN) diode detector and fed to the adjoining CU. Transmission in the opposite direction is accomplished in the same manner with both directions of transmission being carried over the same fiber.

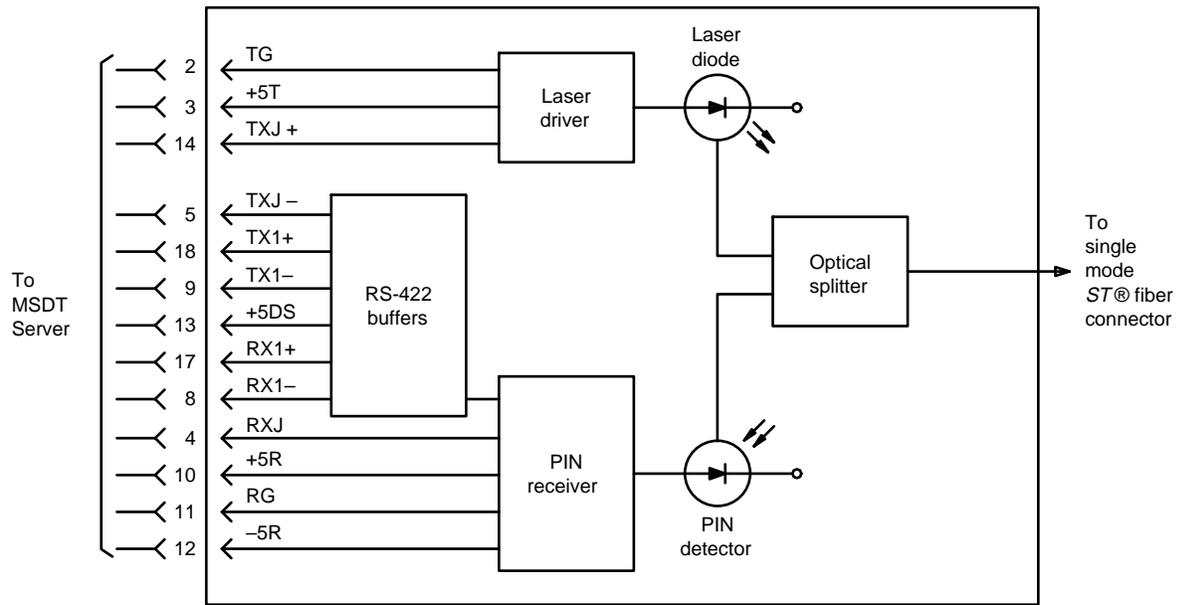


Figure 1. AYB1B OU Block Diagram

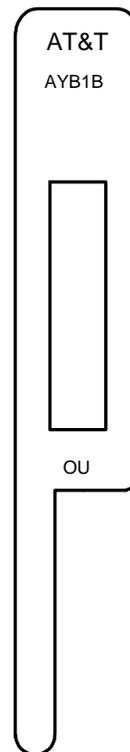


Figure 2. AYB1B OU Faceplate

Follow local procedures for obtaining technical assistance. AT&T also provides in-hours or emergency out-of-hours help for the *SLC* Series 5 Carrier System. Call the AT&T Regional Technical Assistance Center at **1-800-225-RTAC**.

Additional copies of this document (AT&T 363-005-262) are available from the Customer Information Center — call 1-800-432-6600.

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