



## **SLC<sup>®</sup>-2000 MSDT**

### **AYB2 Power Converter Unit — LFOCHE0**

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This data sheet describes the AYB2 power converter unit (PCU) (COMCODE 104432984) and is intended for the end-user of the unit. The AYB2 PCU is designed to be used in the high density optics shelf (HDOS) to supply power to the optical units (OUs).

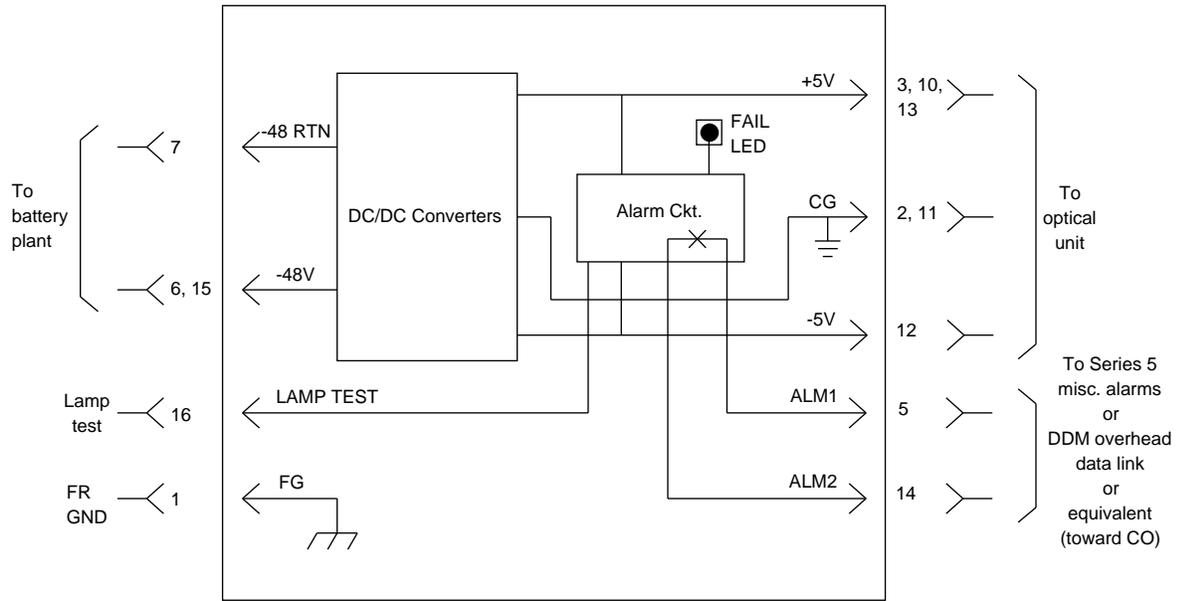
Figure 1 is a functional block diagram of the unit, and Figure 2 shows the faceplate.

The AYB2 PCU converts the -48 V DC battery supply (-40 to -60 V DC) at the remote terminal (RT) or central office terminal (COT) to +5 and -5 V DC, each capable of supplying 1 A. Output short circuit protection is designed into the DC-DC converters, as well as an output overvoltage clamp. Voltage detection circuitry monitors the 5 V buses and will cause an alarm when either output fails. This alarm causes the FAIL LED to light and a contact closure between ALM1 and ALM2 outputs rated at 30 VA. An external connection of LAMP TEST to -48 RTN will cause the FAIL LED to light.

#### **Unit Indicator**

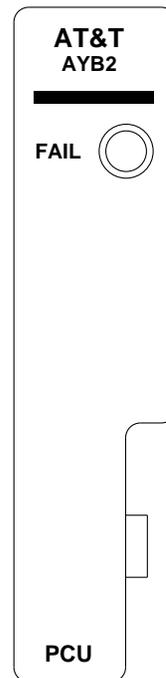
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**FAIL** (Red LED): When lighted, indicates an undervoltage condition is detected on one of the DC-DC converters.



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Figure 1. AYB2 PCU Block Diagram



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**Figure 2. AYB2 PCU 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 363-005-286) are available from the Customer Information Center — call 1-800-432-6600.

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