



SLC[®]-2000 MSDT

AUA424 Power Interface Unit — 5SPQABX

This data sheet describes the AUA424 power interface unit (PIU) (COMCODE 107086407) and is intended for the end-user of the unit. The AUA424 PIU is designed to be used at a SLC[®]-2000 multi-services distant terminal (MSDT) in conjunction with the AUA422 power converter unit (PCU) to provide power to the electronics in the MSDT. The AUA424 PIU is required at the MSDT to support the 60 V AC powering option.

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

The 60 V AC MSDT powering option calls for locally cable television (CATV) provided 60 V AC (squarewave from a ferro power inverter) to be provided to a transformer in the field wiring box (FWB) of the MSDT. The transformer converts the 60 V AC to 42 V AC for input to the AUA424 PIU. The PIU rectifies and filters the 42 V AC resulting in an unregulated -48 V DC (-28 to -60 V DC) that is distributed to the PCU through a replaceable, indicating fuse (MSDT 5A).

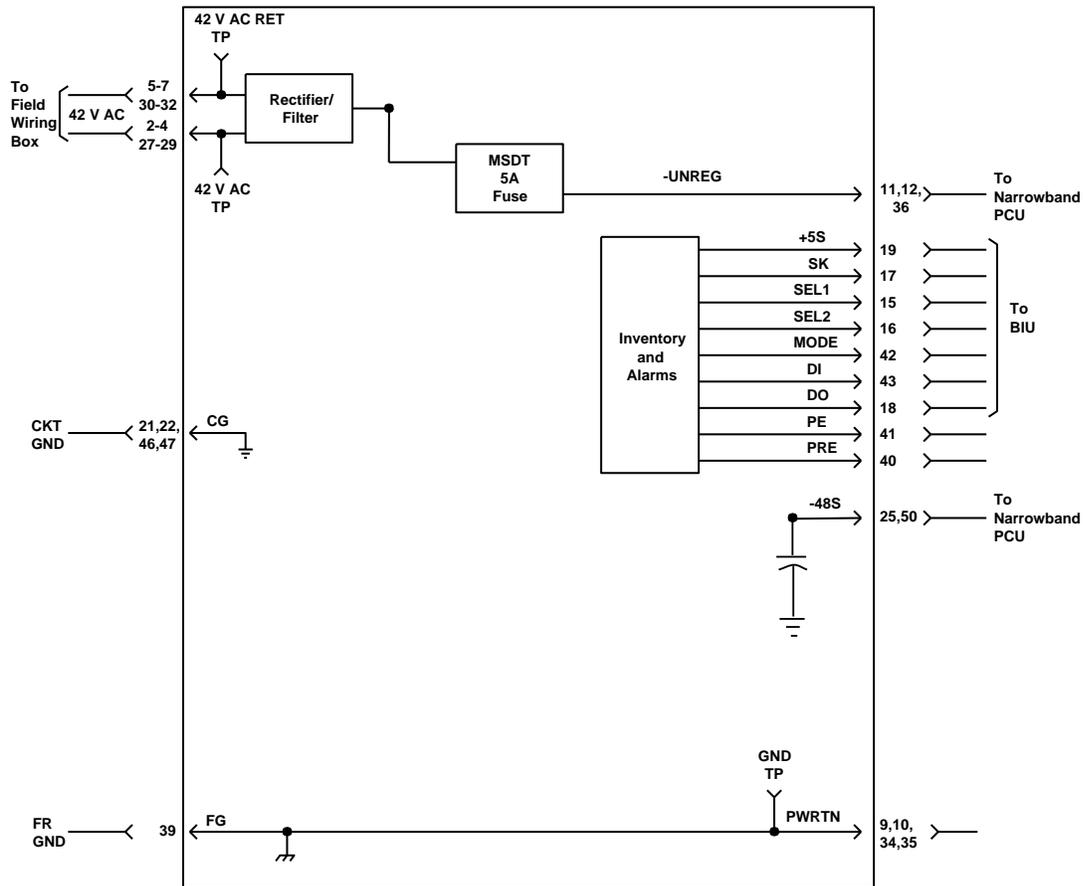
The inventory and alarm circuit contains factory-installed information peculiar to the AUA424 PIU (for example, the COMCODE number) that can be remotely accessed using an operation interface processor. This circuit also gathers alarm information from the PIU and makes it available upstream.

Unit Indicators

–**48V MSDT 5A** (Faceplate mounted fuse): This fuse is a 5A (WP-90247, L13) field replaceable fuse that provides output protection for the narrowband PCU.

–**48V SPARE FUSE** (Faceplate mounted fuse): This fuse is 5A (WP-90247, L13) providing a spare for the –48V MSDT 5A fuse.

42 V AC, 42 V AC RTN (Test points): These test points are provided on the faceplate to allow access to the input voltage to the PIU.



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Figure 1. AUA424 PIU Block Diagram

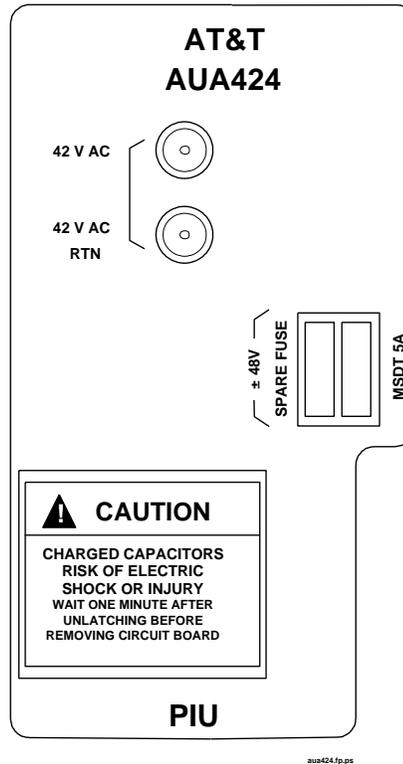


Figure 2. AUA424 PIU Faceplate

Follow local procedures for obtaining technical assistance. AT&T also provides in-hours or emergency out-of-hours help for the *SLC-2000* Access System. Call the AT&T Regional Technical Assistance Center at **1-800-225-RTAC**.

Additional copies of this document (AT&T 363-005-293) are available from the Customer Information Center — call 1-800-432-6600.

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AT&T Customer Education and Training (CE&T) Organization
 Attention: Publishing Services Department
 2400 Reynolda Road
 Winston-Salem, NC 27106

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