

Central office terminal

WP36 CP "SPOTS*" COT CHANNEL UNIT S9CD171AXX

DATA SHEET

"SLC" 24 AND "SLC" 96 CARRIER SYSTEMS

The WP36 SPOTS channel unit (CU) is a current sink unit designed to serve most 2-wire locally switched special services in either loop-start or ground-start applications. The SPOTS channel units are capable of supporting the following types of application: local PBX trunk, WATS trunk, or WATS line. The CU pro-

vides two channels per plug-in and is testable with the pair gain test controller (PGTC). The WP36 is located in the central office terminal (COT) bank. Figure 1 is a functional block diagram of the unit, and Fig. 2 shows the board and faceplate features.

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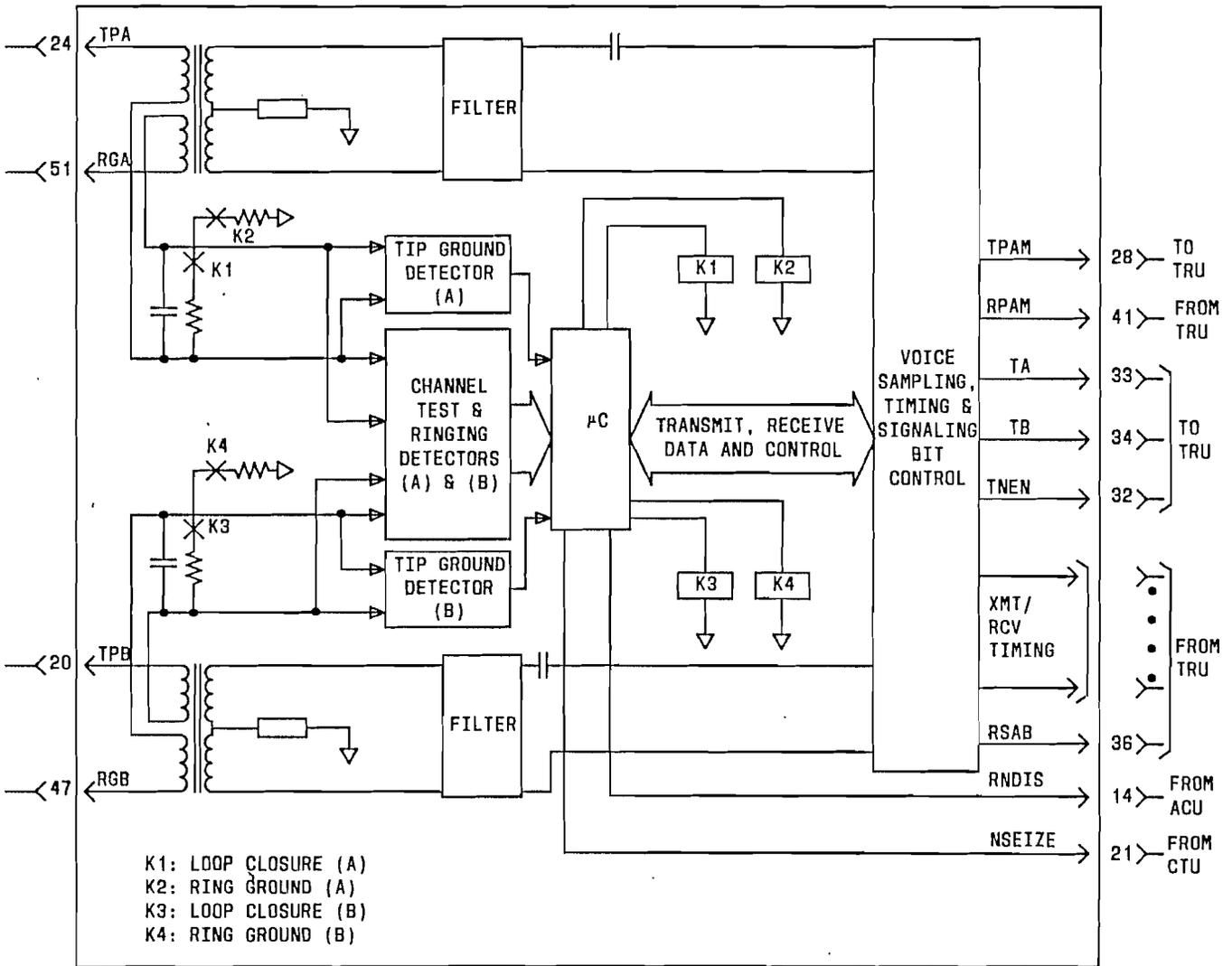


Fig. 1—WP36 Functional Diagram

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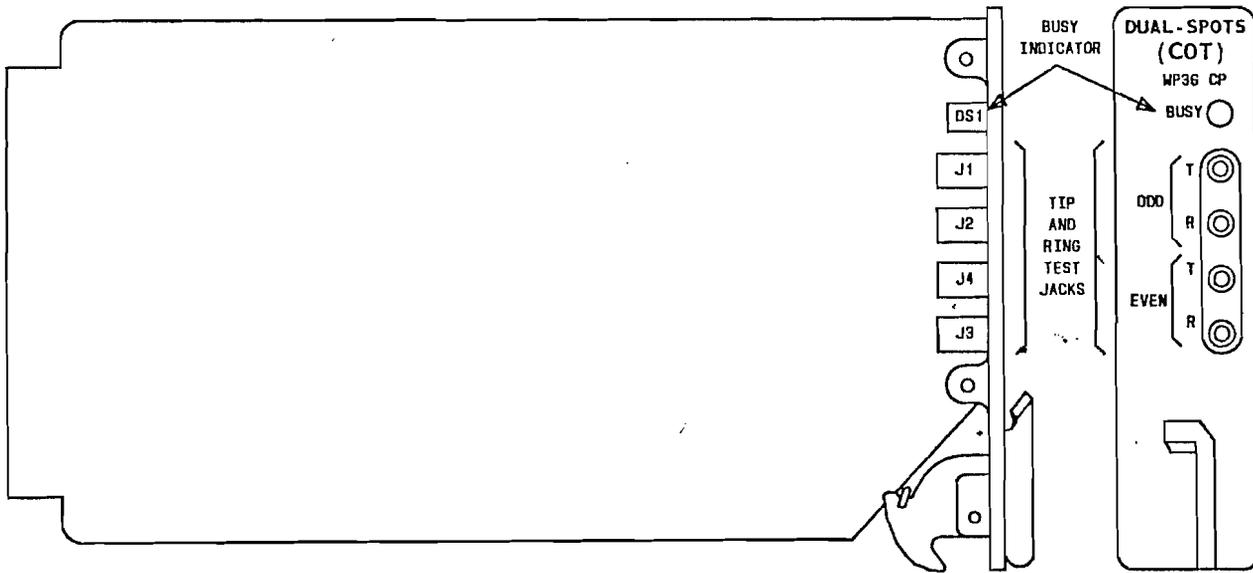


Fig. 2—WP36 Board and Faceplate Diagram

SPOTS channel units are designed for use in mode I only, and are compatible with 5ESS* switch (universal or integrated SLC 96 carrier system arrangements).

The WP36 CU is a voice-frequency unit providing 0 dB gain in both the transmit and receive directions. The transformer coupled voice path is designed with an impedance of 900 ohms (to provide a high return loss against 900 ohms), in series with 2.16 μ F. The WP36 provides an off-hook dc resistance of 1000 ohms and a ring-to-ground signaling resistance of 1000 ohms for ground-start applications.

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No options or gain settings exist on this channel unit and the signaling type (loop-start or ground-start) is automatically selected.

BUSY INDICATOR (RED LED): Indicates that one of the channel circuits is in use when lighted.

(J1, J2, J3, J4) TIP AND RING TEST JACKS: J1, J2, J3, and J4 are faceplate mounted pin jacks that are used to monitor the input of the TIP and RING leads of the channels. J1 and J2 are used to monitor the odd channel, and J3 and J4 monitor the even channel. It is recommended that a KS-19531 type plug or the KS-14510, L8 test leads which include this plug be used with the KS-19427 type pin jack.