

## J99343AJ LSR MTSRD37B DATA SHEET METALLIC FACILITY TERMINAL

The J99343AJ loop signaling repeater (LSR) provides the functions required for the regeneration of dc signals and 20-Hz ac signals required for either loop-start or ground-start operation. This LSR unit extends the loop signaling range between the central office and the customer's location, or between a PBX and a station location.

For a detailed description of this unit, see Section 332-911-107, CD-7C050-01, and SD-7C050-01 (CPS 14). The set-up procedure is covered in Section 332-911-207. A block diagram is shown in Fig. 1. Figure 2 gives switch identification.

**LS-GS Switch:** This switch determines the mode of operation for the unit. In the LS position, the unit is set for loop-start operation while in the GS position, the unit is set for ground-start operation.

**NOR-DRR Switch:** This switch controls the ringing circuitry. In the NOR position, "ring-ping" signals and all distinctive ringing patterns will be reproduced. In the DRR position, the unit converts all ringing signals greater than 170 ms into 2-second ringing output and rejects ring-ping signals.

**200-600 Switch:** This switch selects the duration of open switching interval protection. In the 200 position, 200 ms of open interval protection is provided. In the 600 position, 600 ms of open interval protection is provided.

**NOR-TD Switch:** This switch controls the regeneration of battery reversal signals for switching equipment. In the TD position, all battery reversals greater than 50 ms received from the switching equipment will be regenerated and transmitted toward the station. In

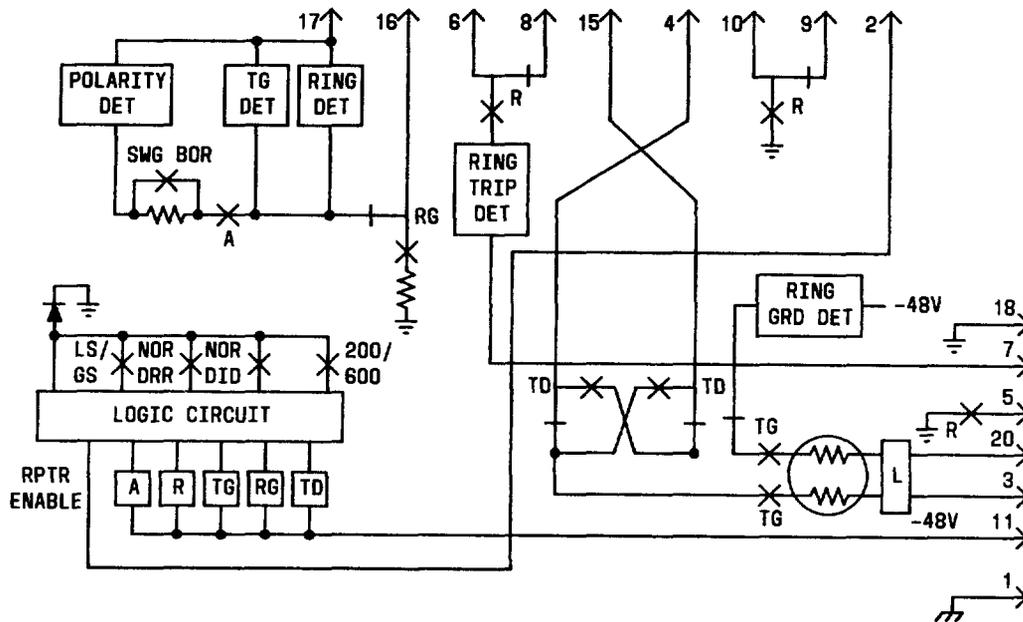


Fig. 1—Block Diagram of the J99343AJ

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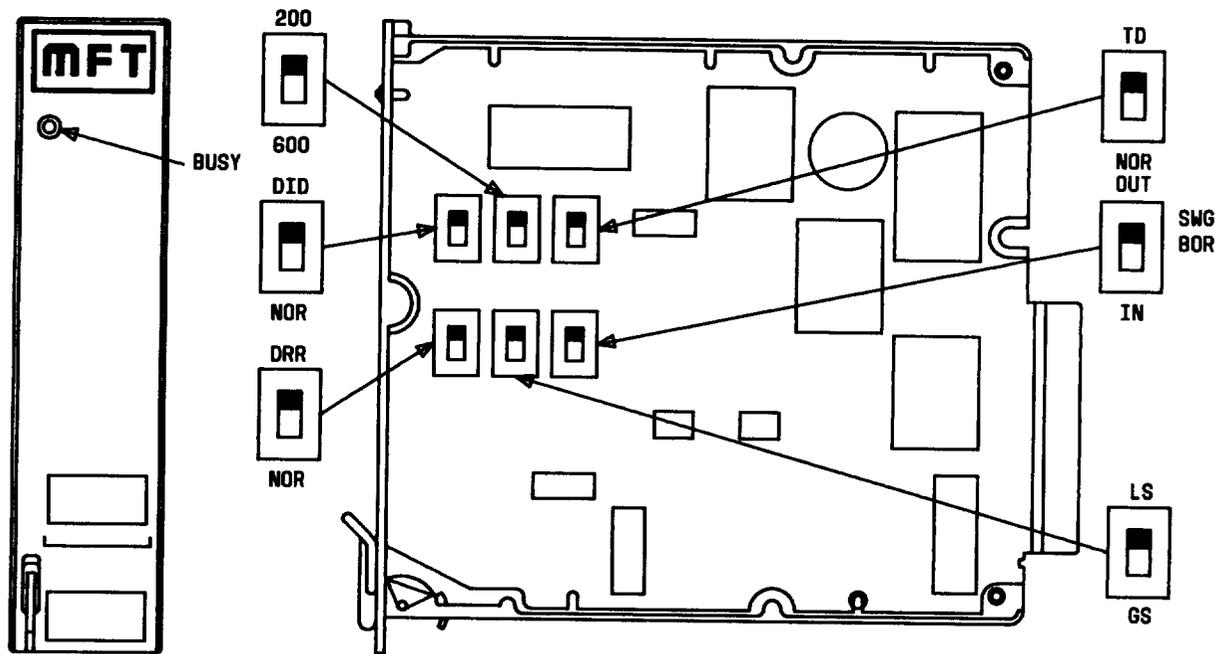


Fig. 2 — J99343AJ — Component Layout

the NOR position, battery reversals are blocked and not passed to the station equipment.

**NOR-DID Switch:** This switch provides optional compatibility with direct inward dialing. In the NOR position, a nominal station seizure delay of 150 ms is provided. In the DID position, a 50-ms station seizure delay is provided for compatibility with delay dial

and immediate start supervision used on direct inward dialing circuits.

**SWG BOR (IN-OUT) Switch:** The switching side build-out resistor (BOR) is provided to limit the switching side-loop current on short loops. In the IN position, the BOR is inserted in the A-side circuitry. In the OUT position, the BOR is removed from the circuit.