

**NO. 1 ELECTRONIC SWITCHING SYSTEM ADF  
FULL-DUPLEX – 100 WORD PER MINUTE DATA STATION  
USING 4-ROW TELETYPEWRITERS  
WIRING**

**1. GENERAL**

**1.01** This section provides a reference list for the wiring of a full-duplex, 100 word per minute data station incorporating 33- and 35-type Teletypewriters (TTY) and used with No. 1 Electronic Switching System Arranged with Data Features (No. 1 ESS ADF).

**1.02** The data station consists of:

- Model 33 automatic send and receive (ASR) TTY and/or a Model 33 receive only (RO) TTY, or a Model 35 ASR TTY and/or a Model 35 RO TTY, or a Model 35 receive only typing reperforator (ROTR)
- Data Auxiliary Set (DAS) 820A1 or 820A2

- DAS 804N1 and/or 804N2 or 804R3
- Data Set 108A-type
- Cord M36E (4, 10, or 50 feet long)
- 91A Bracket (for 33-type TTY's)
- 92A Bracket (for 35 ASR and RO TTY's)
- 95A Bracket (for 35 ROTR TTY's)
- KS-20018 L1, L2, L3, or L4 Cabinet (for 35 ROTR TTY only)

**1.03** The following table lists the drawings that cover the wiring of the data station and the individual components which make up the data station.

DRAWING NUMBER	TITLE	ISSUING ORGANIZATION
8195WD	Actual Wiring Diagram For LXD 812 (35E Transmitter Distributor Unit)	Teletype Corporation
8145WD	Actual Wiring Diagram For LESU 345 (35U Electrical Service Unit)	
4348WD	Actual Wiring Diagram For LCXB 806 (35B Transmitter Distributor Base)	
2900WD	Actual Wiring Diagram For LMU3 (28A Motor Unit)	
8193WD	Actual Wiring Diagram For LP844 DC/AUX (35N Typing Unit)	
8193WD	Actual Wiring Diagram For LP843 DC/AUX (35P Typing Unit)	
7993WD	Actual Wiring Diagram For LPR809 DRM (35C Typing Reperforator Unit)	

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DRAWING NUMBER	TITLE	ISSUING ORGANIZATION
7931WD	Actual Wiring Diagram For LRPE 807 (35E Non-Typing Reperforator Unit)	Teletype Corporation
8197WD	Actual Wiring Diagram For LESU 344 (35W Electrical Service Unit)	
8194WD	Actual Wiring Diagram For LPR813 DRM (35H Typing Reperforator Unit)	
8146WD	Actual Wiring Diagram For LESU 346 (35Y Electrical Service Unit)	
8147WD	Actual Wiring Diagram For LAK 817AUJ (35R Teletypewriter Base)	
5857WD	Actual Wiring Diagram For LB800 (35D Teletypewriter Base)	
7118WD	Actual Wiring Diagram For UP821, UP822 ASR (33H Teletypewriter Printer)	
7119WD	Actual Wiring Diagram For UX804 ASR (33J Teletypewriter Reader)	
7120WD	Actual Wiring Diagram For UK814 ASR (33P Teletypewriter Keyboard)	
7121WD	Actual Wiring Diagram For UCC21 ASR (33R Teletypewriter Call Control Unit)	
7122WD	Actual Wiring Diagram For UCC22 RO (33K Teletypewriter Call Control Unit)	
7123WD	Actual Wiring Diagram For Model 33 Motor Unit	
7124WD	Actual Wiring Diagram For Model 33 SMD	
8148WD	Actual Wiring Diagram For Typing Reperforator Base 35C (For ROTR)	
8155WD	Actual Wiring Diagram For UP823 RO (33L Teletypewriter Printer)	
SD-3D024-01	Data Set 108A-Type	Bell Telephone Laboratories, Inc.
SD-3D039-01	Data Auxiliary Set 804R3	
SD-3D039-01	Data Auxiliary Set 820A-Type	
SD-3D039-01	Data Auxiliary Set 804N-Type	
SD-3D039-01	Cord M36E	