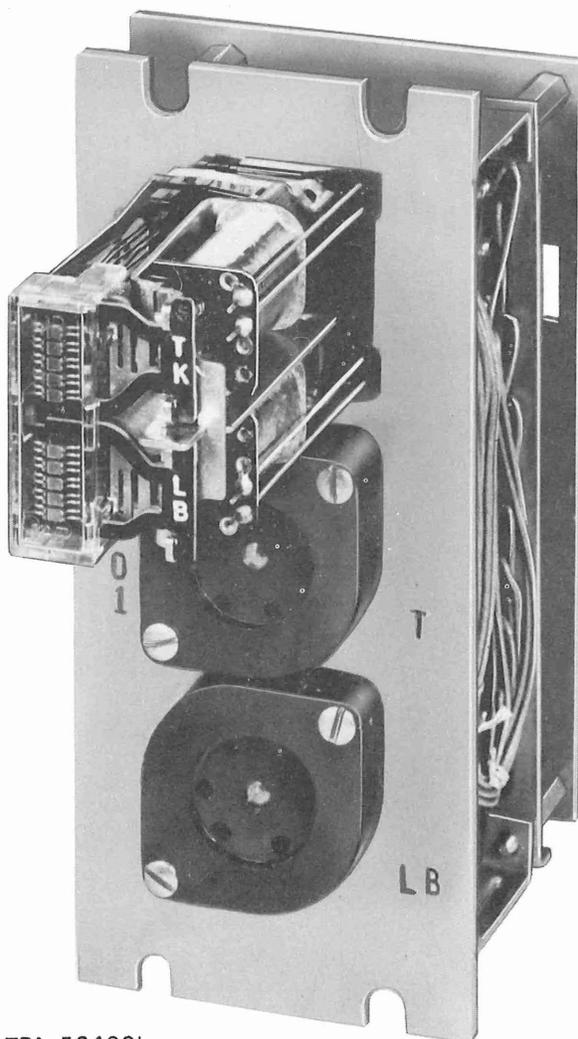


35A1 DATA UNIT IDENTIFICATION

1. GENERAL

1.01 This section covers the identification and operation of the 35A1 Data Unit. This unit, shown in Fig. 1, is initially used as a part of Data Auxiliary Set (DAS) 828A-L1.



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Fig. 1—35A1 Data Unit

1.02 The functions of the 35A1 Data Unit are as follows:

- Loops back a 4-wire line while terminating each station pair in 600 ohms
- Provides the TALK/DATA transfer function for a 4-wire circuit
- Provides an OFF-normal indication when relays are operated
- Provides two 1C pad sockets for attenuation as required
- Provides a series-dropping resistor for telephone lamp operation.

2. PHYSICAL DESCRIPTION

2.01 The 35A1 Data Unit consists of the following apparatus assembled on a 200-type key telephone unit mounting plate and wired to a terminal panel:

- 2—1C pads (T and LB)
- 1—AK6 relay (TK-LB)
- 1—446F diode (CR1)
- 2—KS-20616-L1A resistors (600 ohms) (R1-R2)
- 1—KS-20616-L1A resistor (2150 ohms) (R3)
- 1—KS-14603-L3A resistor (348 ohms) (R4)
- 1—185A network (Z1)

2.02 The terminal panel consists of a group of 40 terminals arranged in 4 rows of 10 each, numbered 1 to 40.

2.03 This unit is equipped with a dual relay and two 1C pads that accommodate 89-type plug-in resistors. The loopback relay and the talk/data

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transfer relay are mounted with the two 1C pads on the face of the 35A1 Data Unit.

2.04 No mounting screws are furnished with the data unit since it is intended for assembly as part of the DAS 828A-L1 or 828A-L1A.

2.05 The 35A1 Data Unit measures 3-1/32 inches wide, 6-15/16 inches high, and 6-11/32 inches deep.

3. REFERENCES

3.01 The schematic drawing and circuit description covering the 35A1 Data Unit are SD- and CD-1D227-01.

3.02 More detailed information on the 35A1 Data Unit associated with DAS 828A-L1 is covered in the following Bell System Practices.

SECTION	TITLE
598-080-100	Data Auxiliary Set 828A—Data Service Unit—Description and Operation
598-080-180	Data Auxiliary Set 828A—Data Service Units—Summarizing Specification—4-Wire Private Line Data Station