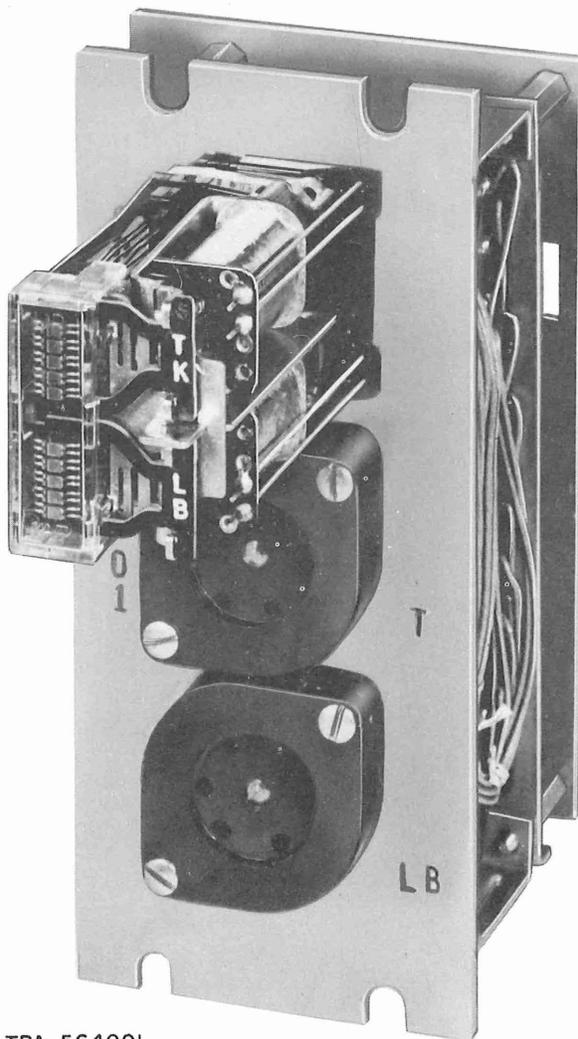


## 35A1 DATA UNIT IDENTIFICATION

### 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.

| <b>SECTION</b> | <b>TITLE</b>  |
|----------------|---|
| 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 |