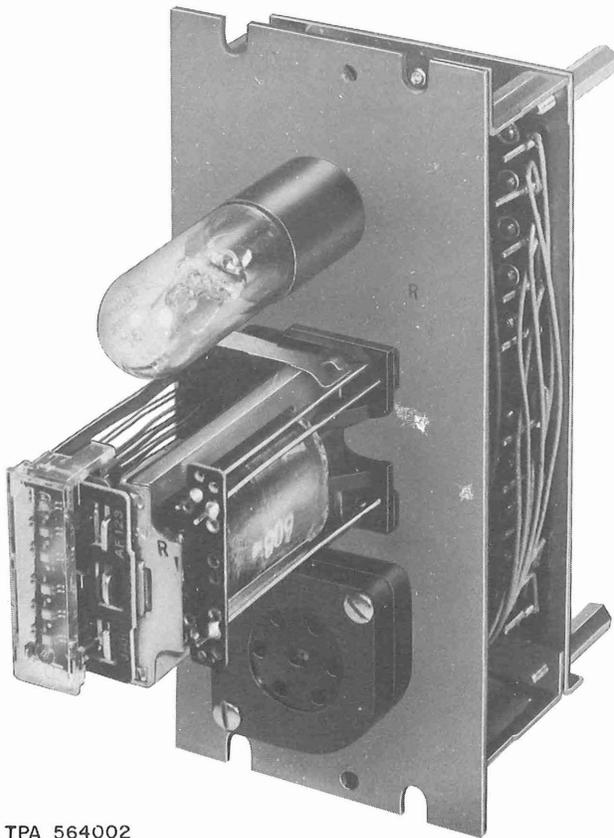


## 36A1 DATA UNIT IDENTIFICATION

### 1. GENERAL

**1.01** This section covers the identification and operation of the 36A1 Data Unit. This unit, shown in Fig. 1, is initially used as part of the 37A1 Data Unit.



TPA 564002

**Fig. 1—36A1 Data Unit**

**1.02** The functions of the 36A1 Data Unit are as follows:

- Provides a dc operated relay to be used in a 20-Hz ringing circuit

- Provides a resistance lamp for current limiting
- Provides a series-dropping resistor for telephone lamp operation
- Provides diodes for contact surge limiting protection across external relay coils
- Provides a 1C pad socket for attenuation as required.

### 2. PHYSICAL DESCRIPTION

**2.01** This data unit provides a ringing relay, a resistance lamp, and a 1C pad as shown in SD-1D228-01.

**2.02** Mounting screws are not furnished since it is intended that the 36A1 Data Unit will be assembled as part of the 37A1 Data Unit.

**2.03** The 36A1 Data Unit consists of the following apparatus assembled on a 200-type key telephone unit mounting plate and wired to a terminal panel:

- 1—AF123 relay (R)
- 1—13C resistance lamp (L1)
- 1—1C pad socket (R)
- 3—446F diodes (CR1, CR2, and CR5)
- 2—449A diodes (CR3 and CR4)
- 1—KS-14603-L3A, 348-ohm resistor (R1)

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

**SECTION 590-100-127**

**2.05** The relay, resistance lamp, and pad socket are mounted on the face of the 36A1 Data Unit.

**2.06** The 36A1 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 36A1 Data Unit are SD- and CD-1D228-01.

**3.02** More descriptive information on the 36A1 Data Unit associated with DAS 828A-L1 is covered in the following Bell System Practices:

<b>SECTION</b>	<b>TITLE</b>
590-100-128	37A1 Data Unit—Identification
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