

## DATA AUXILIARY SET 820E-TYPE IDENTIFICATION

### 1. GENERAL

- 1.01 This section identifies Data Auxiliary Set 820E-type designed for use in private line service.
- 1.02 This section is reissued to differentiate between Data Auxiliary Set 820E1 (Fig. 1) and Data Auxiliary Set 820E2 (Fig. 2).
- 1.03 Data Auxiliary Set (DAS) 820E-type provides interface circuits between Bell System- or customer-provided terminals and three Data Sets 108A-, 108C-, or 109A-type.
- 1.04 DAS 820E-type provides for the mounting of the data sets, but the data sets are not furnished with the data auxiliary set. The required Data Sets 108A-, 108C-, or 109A-type must be ordered separately.
- 1.05 DAS 820E1 consists of three Circuit Packs (CPs) AR17, three 18B Power Units (with their respective power switches), a 59A Apparatus Mounting, three KS-19087 L2 Connectors (to interface with the terminal equipment), three KS-19088 L2 Connectors (to interface with the telephone line equipment), all mounted on a 23-inch by 6-inch relay rack mounting plate.
- 1.06 DAS 820E2 is similar to DAS 820E1 except the three 25-pin TEL TERM connectors (KS-19088 L2) have been replaced by one 26-terminal terminal board; additional wiring has been provided and Option X has been added to provide for the strapping of signal ground to frame ground.
- 1.07 DAS 820E-type is designed to be mounted in cabinets that provide 23-inch relay rack-type mounting rails, for example, KS-20018 and KS-20093 type Cabinets.
- 1.08 DAS 820E-type provides the standard interface for 150-baud channels in accordance with Electronic Industries Association (EIA) Standard RS-232-B. A neutral interface is also available for connection to Bell System Model 35 Teletypewriters and terminals operating at 75 bauds or less having a resistive load of about 680 ohms.

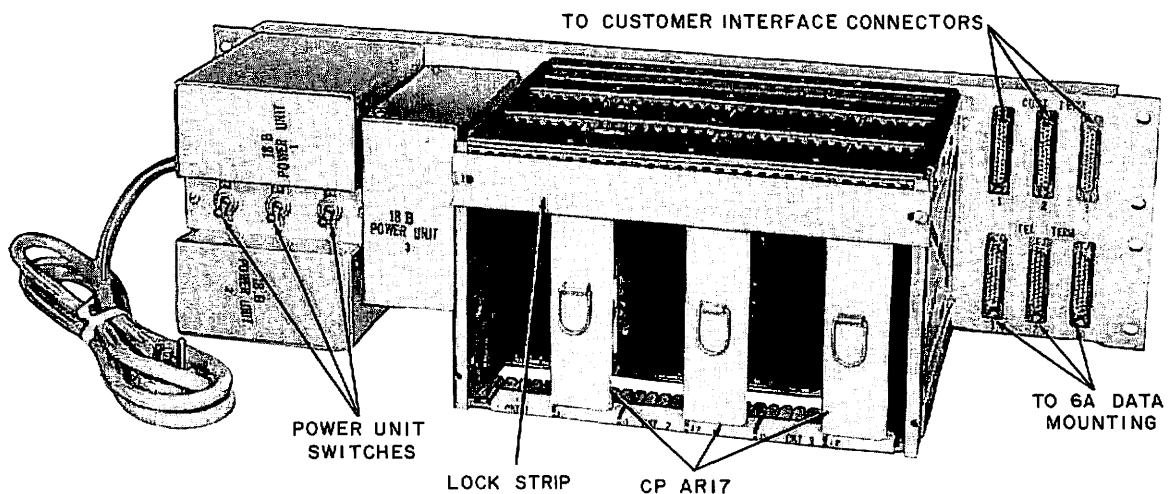


Fig. 1—Data Auxiliary Set 820E1, Front View

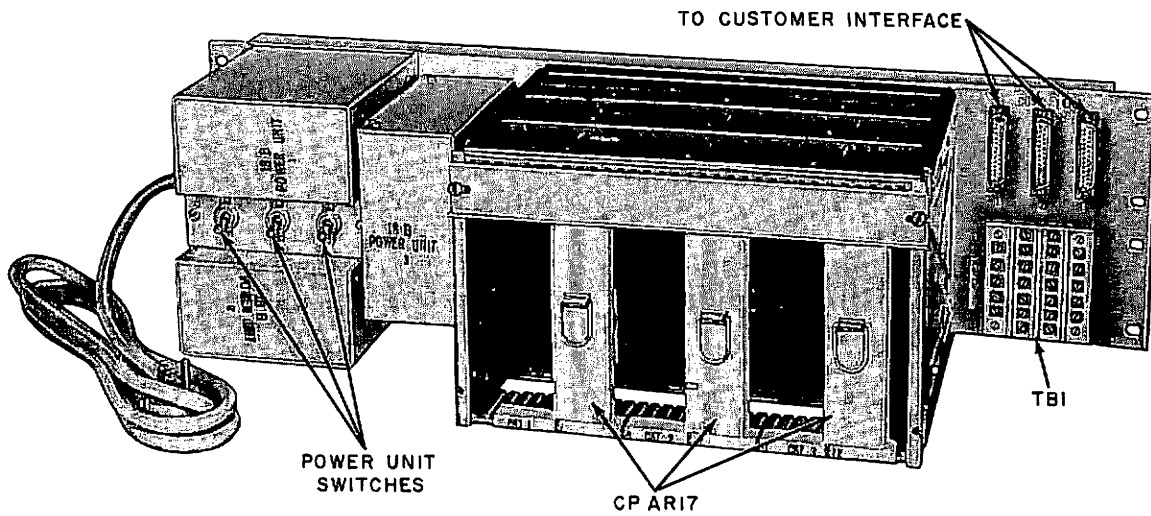


Fig. 2—Data Auxiliary Set 820E2, Front View

1.09 Detailed information concerning DAS 820E-type is covered in the following sections:

- Data Sets 108A- and 108C-Type, Multiple Private Line Station Using Data Auxiliary Set 820E-Type and KS-20093 Cabinets (591-023-ZZ3)
- Data Set 109A-Type, Multiple Private Line Station Using Data Auxiliary Set 820E-Type and KS-20018 Cabinets (591-024-ZZ2)

- Data Set 109A-Type, Multiple Private Line Station Using Data Auxiliary Set 820E-Type and KS-20093 Cabinets (591-024-ZZ3).

1.10 The following circuit description (CD) and schematic drawing (SD) pertains to DAS 820E-type:

SD- & CD-3D031-01 Data Auxiliary Sets 820D- and 830E-type.