

## 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1.06 DAS 820E2 is similar to DAS 820E1 except the three 25-pin TEL TERM connectors (KS-19088 L2) have been replaced by one 26-terminal terminal board; additional wiring has been provided and Option X has been added to provide for the strapping of signal ground to frame ground.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.

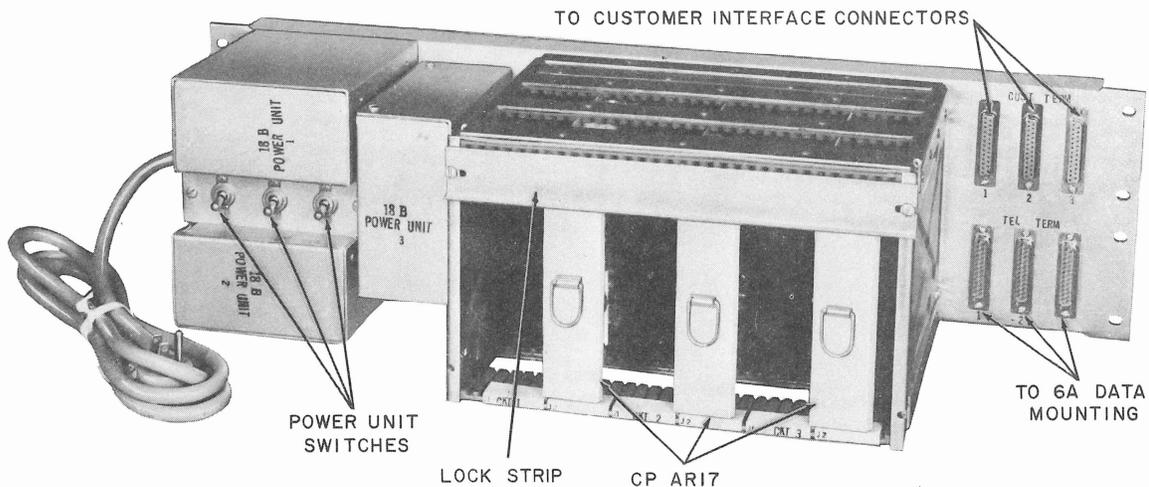


Fig. 1—Data Auxiliary Set 820E1, Front View

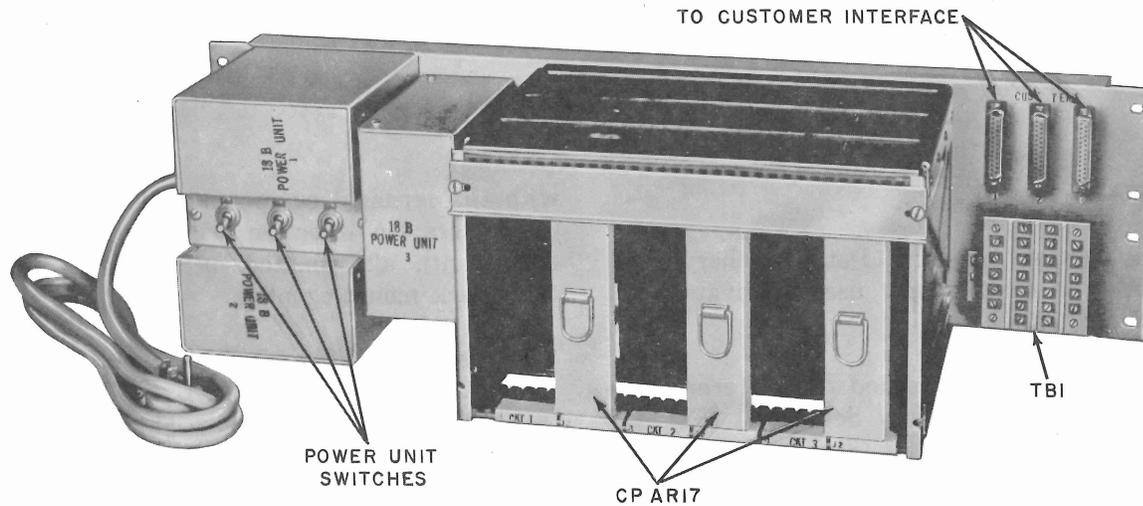


Fig. 2—Data Auxiliary Set 820E2, Front View

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.