

1B-TYPE DATA MOUNTING

IDENTIFICATION

1. GENERAL

1.01 The 1B-type Data Mounting provides connectors for data (telephone) lines and dc power distribution for up to eight data sets. It also provides for interconnection of the data sets, key telephone equipment, and local and/or remote control stations. This section provides a physical description of the data mounting, discusses the general application of the unit, and provides a list of references for additional information on the mounting and associated equipment.

1.02 This section is reissued to include a call-origination and return-to-data feature, and to make minor editorial corrections. The call-origination feature requires a 1B3 Data Mounting instead of a 1B2 Data Mounting; the 1B2 Mounting has been rated MD. Because many of the Data Sets 403D-type using the 1B2 Data Mounting are still used in the field, information on these units is retained. Since this reissue constitutes a general revision, arrows ordinarily used to indicate changes have been omitted.

2. PHYSICAL DESCRIPTION

2.01 Basically, the 1B-type Data Mounting is a panel equipped with 25 connectors, a fuse block and plug-in facilities for key telephone equipment, a KS-15900 interrupter, and a terminal block for option strapping. There is also a shelf provided to permit mounting a 31A power unit for supplying power to the associated Data Sets 403D-type. Dimensions and components of the data mounting are shown in Fig. 1. The data mounting weighs 15 pounds. The associated 31A power unit weighs 46 pounds.

2.02 There are four apparatus-type installer options which must be ordered as required. These options are plug-in type apparatus (Fig. 2) and provide the following features:

- Equip the data mounting with a 400D KTU for the service line (SERL)

- Equip the data mounting with a 400D KTU for a utility line (UTIL)

- Equip the data mounting with a 400D KTU for spare line 1

- Equip the data mounting with a KS-15900 interrupter.

2.03 There are also four strap-type installer options which may be supplied as needed. These options are designated T, V, R, S and provide the following features:

- Option T permits Data Auxiliary Set (DAS) 804K-type to release the Data Set 403D-type from the test mode when only DAS 804K-type provides the control of the station.

- Option V permits release of the Data Set 403D-type from the test mode from either the DAS 804K-type or from a 630- or 631-type telephone set (CALL DIRECTOR®).

- Option R separates signal ground from frame ground (protective ground).

- Option S connects signal ground to frame ground.

2.04 The 31A power unit is designed to provide power for up to 16 associated data sets. A 10-inch M8H cord must be supplied to interconnect the power supply and the 1B-type Data Mounting.

2.05 For information on connections of the 31A power unit and installer options, refer to the section entitled Data Set 403D-Type Multiple Data Set Station—Installation and Connections (594-025-201).

3. FUNCTION

3.01 The 1B-type Data Mounting is used with up to eight Data Sets 403D-type in a multiple

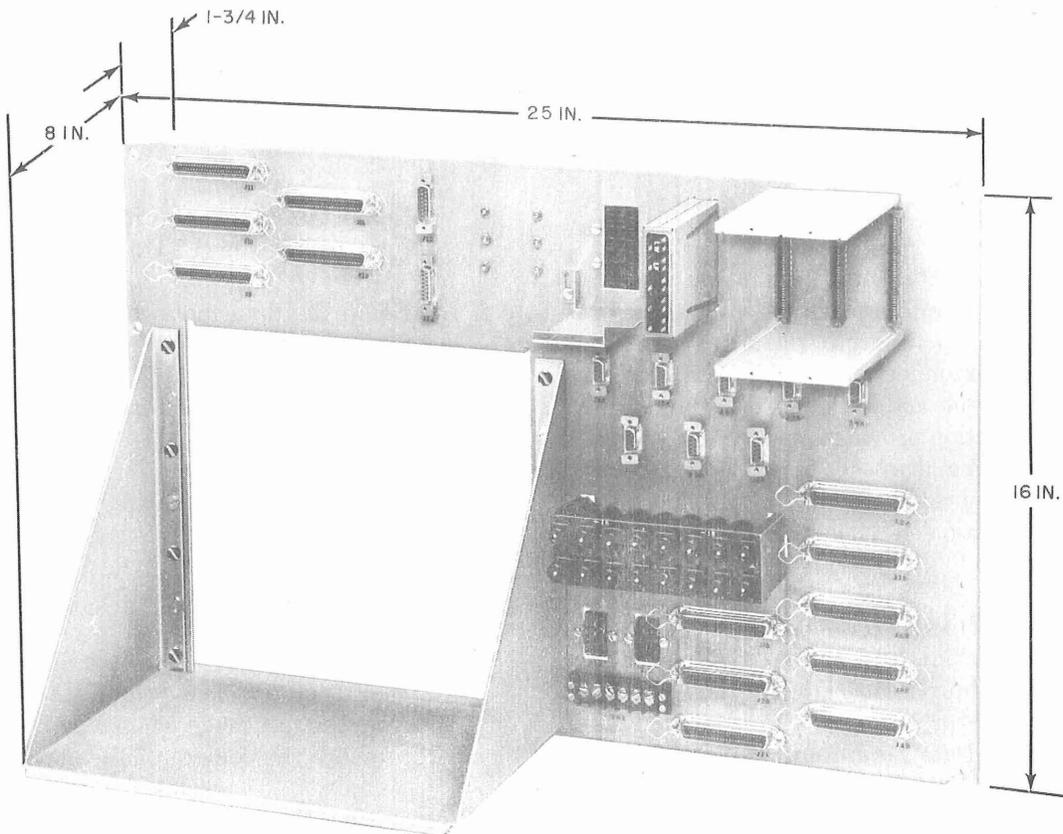


Fig. 1—1B-Type Data Mounting Without Apparatus Options—Front View

data set installation. It provides the following features:

- Connections for power and control functions for up to eight data sets
- Connections for DAS 804K-type
- Connections for a remote console (630- or 631-type telephone set)
- Connections for eight incoming data lines, a service line, utility line, and spare telephone lines.
- Connections for interconnecting 1B-type Data Mountings.

Note: If "down time" is not a factor, a single 31A power unit may be sufficient to power up to 16 data sets. To ensure proper regulation of the power supply, at least four

data sets should be powered from one 31A power unit.

3.02 The 1B-type Data Mounting is designed for proper operation in an environment with an ambient temperature range of +40 to +120°F and a relative humidity range of 20 to 90 percent.

4. GENERAL APPLICATION

4.01 The 1B-type Data Mounting is designed to be mounted in a 25-inch mounting space in conjunction with up to eight Data Sets 403D-type. A Data Station 403D-type consists of four or more Data Sets 403D-type mounted in one or more KS-20093-L1 cabinets. A utility connector (J17) permits two 1B-type Data Mountings to be used in conjunction with a single 31A power unit. When a data station contains from 9 to 16 data sets, two 1B-type Data Mountings are required. The 1B-type Data Mounting also provides connection for DAS 804K-type.

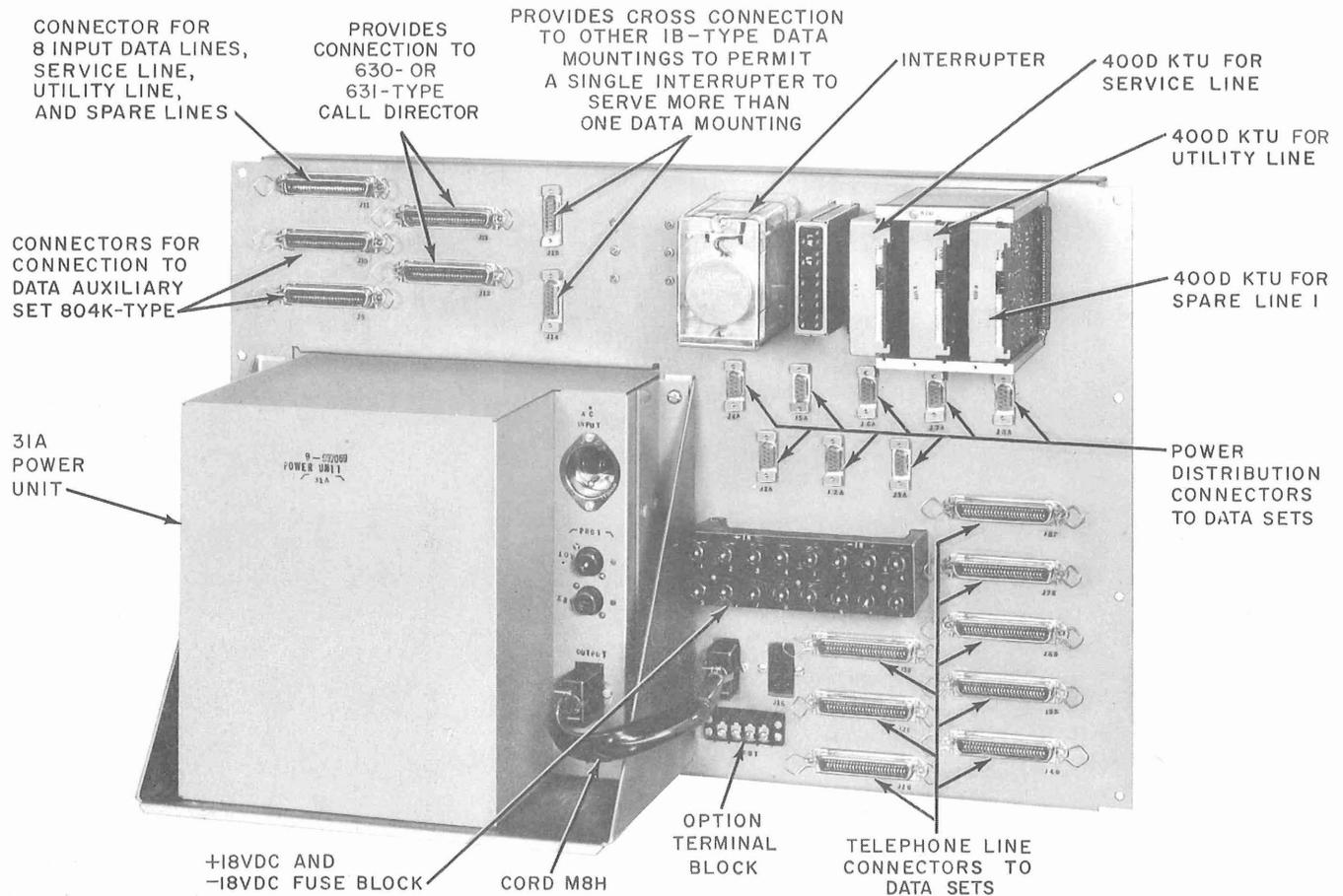


Fig. 2—1B-Type Data Mounting With Options and Features Incorporated

5. REFERENCES

5.01 For additional information on the 1B-type Mounting and associated equipment, refer to the following:

- Data Auxiliary Set 804K-Type—Identification (598-055-100)
- Data Set 403D-Type—Description (594-025-100)
- Data Set 403D-Type Multiple Data Set Station—Description and Operation (594-025-101)
- Data Set 403D-Type Multiple Data Set Station—Installation and Connections (594-025-201)
- Data Set 403D-Type Multiple Data Set Station—Maintenance (594-025-301)
- Data Set 403D-Type Multiple Data Set Station—Test Procedures (594-025-501)
- SD- and CD-1D135-01—Data Systems Station—1B2 Data Mounting