

1A-TYPE DATA MOUNTING IDENTIFICATION

1. GENERAL

1.01 This section identifies the 1A-type Data Mounting used as a component of a 103E Data Station for providing DATA-PHONE® or TWX-CE service or a combination of both services.

1.02 The 1A-type Data Mounting is available in two types, the 1A1 and 1A2 Data Mounting.

1.03 The 1A1 Data Mounting (Fig. 1) contains the common circuits used to control the status of up to 40 data sets. A 31A Power Unit provides the necessary voltages to drive the logic circuits in the data mounting, lamps and a buzzer on Data Auxiliary Set 804J-type, and up to 20 data sets with their associated 2A1 Data Mounting circuitry. Sixteen 50-pin connectors are provided to interconnect the 1A1 Data Mounting into the 103E Data Station.

1.04 Each data set powered from the 1A1 Data Mounting is individually fused by a 1-1/3 ampere (70A) fuse in both the positive and negative 18-volt dc leads.

1.05 Circuit Pack AR256 of the 1A1 Data Mounting provides the circuits to drive lamps in the data auxiliary set to indicate the condition of interface leads for a selected data set. A circuit also provides an audible signal in the data auxiliary set when ringing current is present on a selected data set line. A flutter generator provides the

timing to drive the lamp of the selected data set.

1.06 The 1A1 Data Mounting measures 25 inches wide, 16 inches high, 9-3/4 inches deep, and weighs approximately 24 pounds without the 31A Power Unit installed.

1.07 The 1A2 Data Mounting (Fig. 2) contains a 31A Power Unit that drives lamps on Data Auxiliary Set 804J-type and up to 20 data sets with their associated 2A1 Data Mounting circuitry. Fifteen 50-pin connectors are provided to interconnect the 1A2 Data Mounting into the 103E Data Station.

1.08 The 1A1 Data Mounting is equipped with circuit pack AR256, a KS-19175 L1 Interrupter, and control relays. The 1A2 Data Mounting is not equipped with these components.

1.09 The 1A2 Data Mounting measurements are identical to the 1A1 Data Mounting. It weighs approximately 18 pounds without the 31A Power Unit installed.

1.10 Detailed information concerning the 1A1 and 1A2 Data Mountings is covered in the sections entitled Data Set 103E-Type Data Station Using KS-20093 Cabinets (591-025-ZZ1). The 1A1 Data Mounting is covered by SD- and CD-1D122-01 while the 1A2 Data Mounting is covered by SD- and CD-1D123-01. The complete 103E Data Station is covered by SD- and CD-1D106-01.

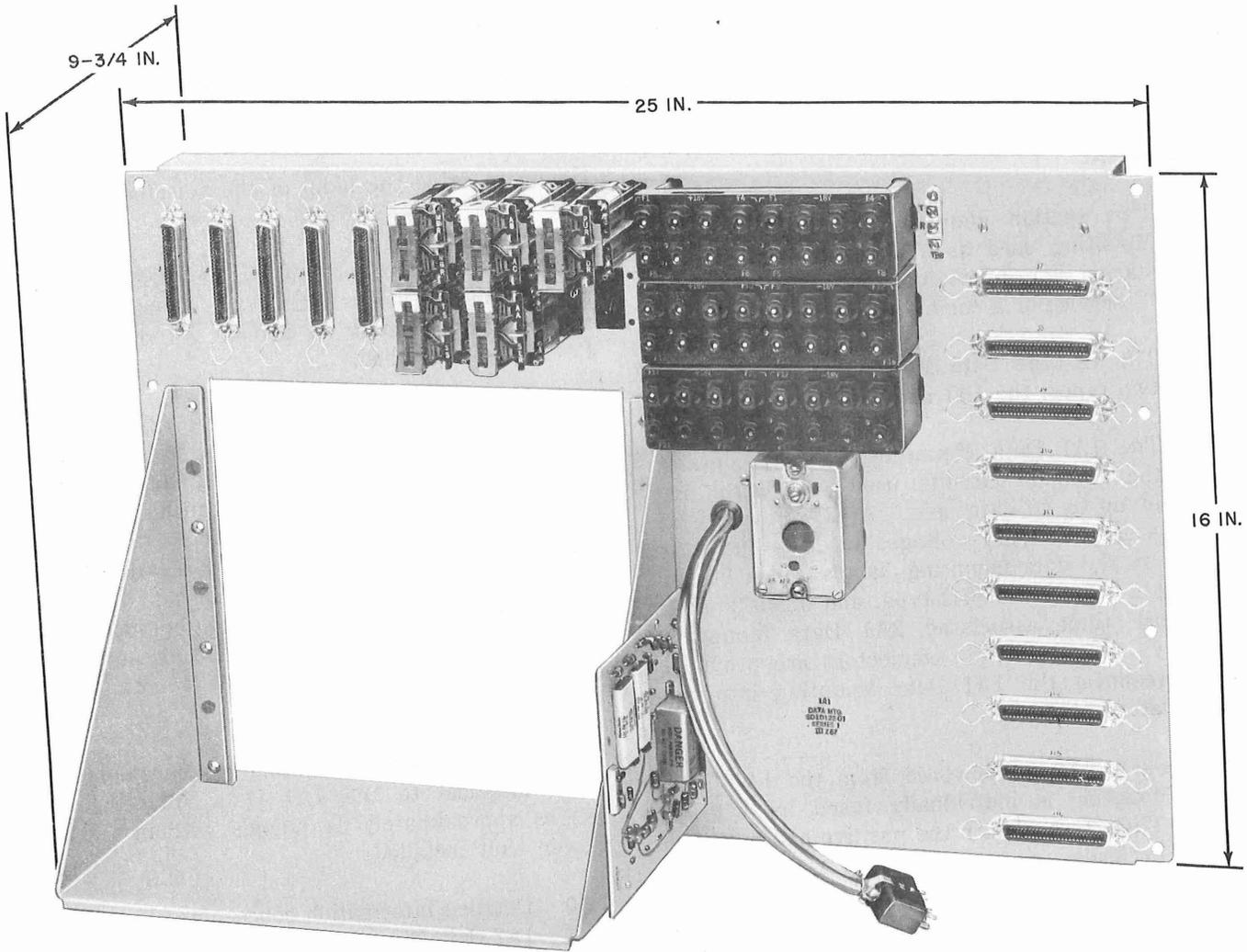


Fig. 1—1A1 Data Mounting, Front View (Power Supply Removed)

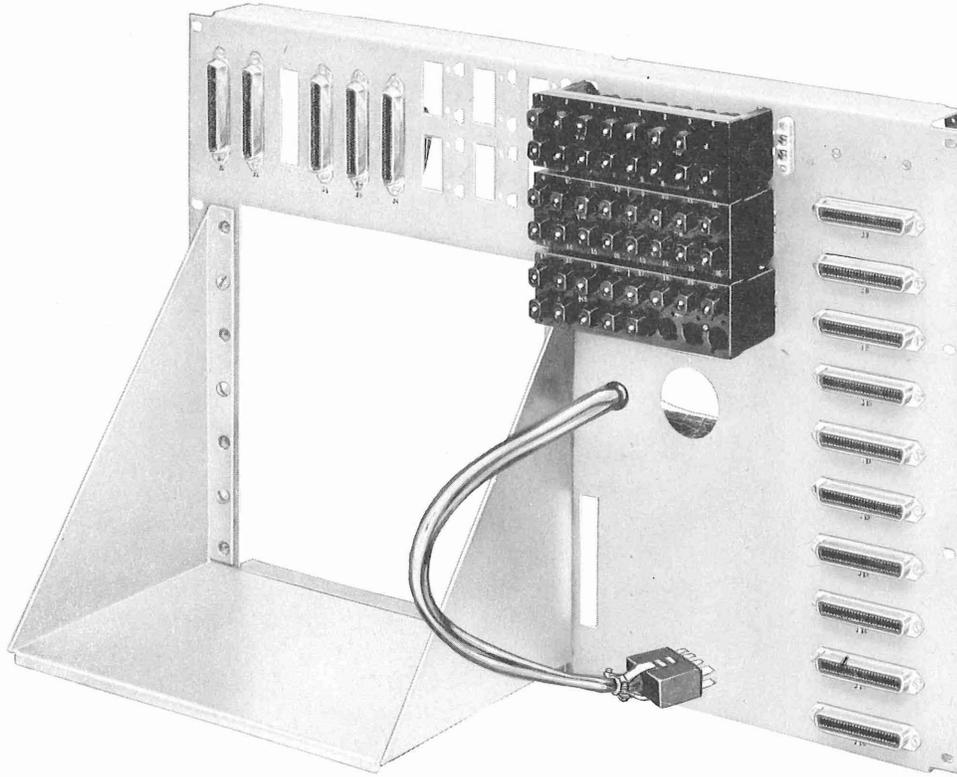


Fig. 2—1A2 Data Mounting, Front View (Power Supply Removed)