

10A-TYPE DATA UNIT IDENTIFICATION

1. GENERAL

1.01 This section contains a description of the 10A-type Data Unit and information pertinent to its operation. Information concerning equipment associated with the data unit is not included.

1.02 This section is reissued because the 10A1 and 10A2 Data Units (DU) are rerated Manufacture Discontinued. Information pertaining to these units will remain in this section because of field use.

1.03 The 10A1 and 10A2 Data Units are combined with other circuitry to make up a Data Auxiliary Set (DAS) 806B-type which is, in turn, used as an integral part of a wideband data station using Data Set (DS) 303-type. The 10A2 Data Unit is also used as an integral part of DAS 806B5 which is used with DS 301B-type.

1.04 The 10A3 Data Unit is combined with other circuitry to make up the 32A-type Data Unit which is used as part of DS 306 and DAS 806D-type.

1.05 The 10A-type Data Unit (Fig. 1) provides monitoring and line terminating jacks for the lines and various control and supervisory functions.

2. DESCRIPTION

2.01 The data unit, which weighs approximately 10-1/2 pounds, has external dimensions of 7.7 inches deep, 2.8 inches wide, and 5.6 inches high.

2.02 The 10A-type Data Unit is not self-powered. Its operating power of ± 18 volts dc is derived from the data unit or data auxiliary set with which it is used.

2.03 The operation of the data unit is controlled by two pushbuttons and one key. Two lamps are provided to indicate the various test conditions.

2.04 The 10A1, 10A2, and 10A3 Data Units have monitoring and line terminating jacks for both the transmitting and receiving lines of the wideband and voice-frequency lines. In addition to the jacks, the data units include relays that loop the lines for remote or local testing. The 10A2 and 10A3 Data Units include a sequential relay circuit associated with the remote test mode.

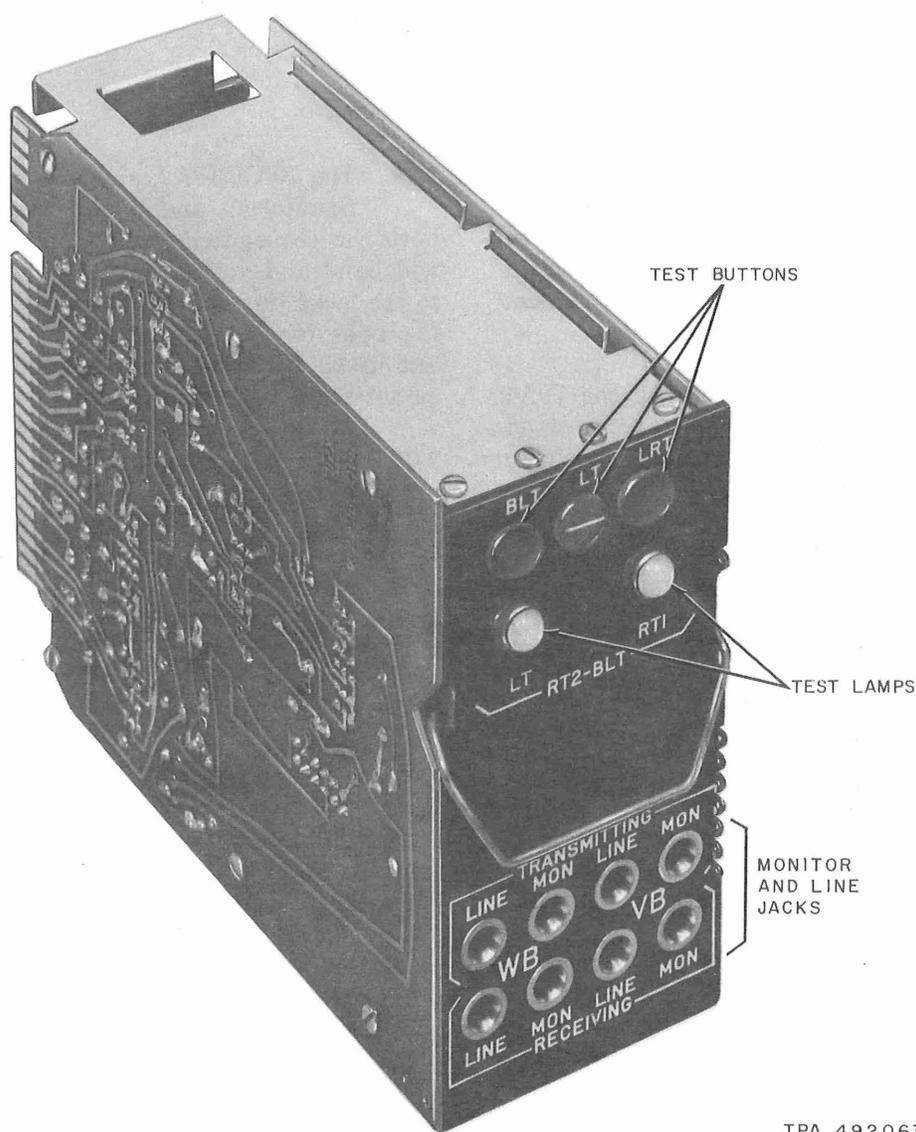
2.05 Option A provides a wideband transmission path through the 10A3 Data Unit in which the remote test and local test looping configuration is bypassed. Option B provides a wideband transmission path through the 10A3 Data Unit which includes the remote test and local test looping configuration.

2.06 The 10A3 Data Unit with the B option installed is a direct replacement for the 10A1 Data Unit and the 10A2 Data Unit except when the 10A1 Data Unit is used as an integral part of DAS 806B6. In this case, a slight modification must be made in the chassis wiring of DAS 806B6 consisting of adding a wire strap between terminals 14 and 20 of the J2 connector. When the 10A3 Data Unit is used as a replacement for 10A1 and 10A2 Data Units, the X option should be used in all DAS 806B-type applications except in DAS 806B5 where the Y option should be used.

3. REFERENCES

3.01 The CDs and SDs for the data units and their associated data auxiliary sets are as follows:

- CD- and SD-1D097-01—Data Auxiliary Set 806B-Type
- CD- and SD-1D098-01—Data Units 10A1 and 10A2
- CD- and SD-1D217-01—Data Auxiliary Set 806D-Type
- CD- and SD-1D218-01—32A-Type Data Unit



TPA 492063

Fig. 1—10A-Type Data Unit

- CD- and SD-1D219-01—10A3 Data Unit. 598-077-100 Data Auxiliary Set 806D-Type, Identification
- 3.02** Bell System Practices covering the various equipment associated with the 10A-type Data Units are as follows:
- | | |
|-------------|---|
| 590-100-122 | 32A-Type Data Unit, Description and Operation.◀ |
|-------------|---|
- | SECTION | TITLE |
|-------------|---|
| 598-042-100 | Data Auxiliary Set 806B-Type, Description and Operation |