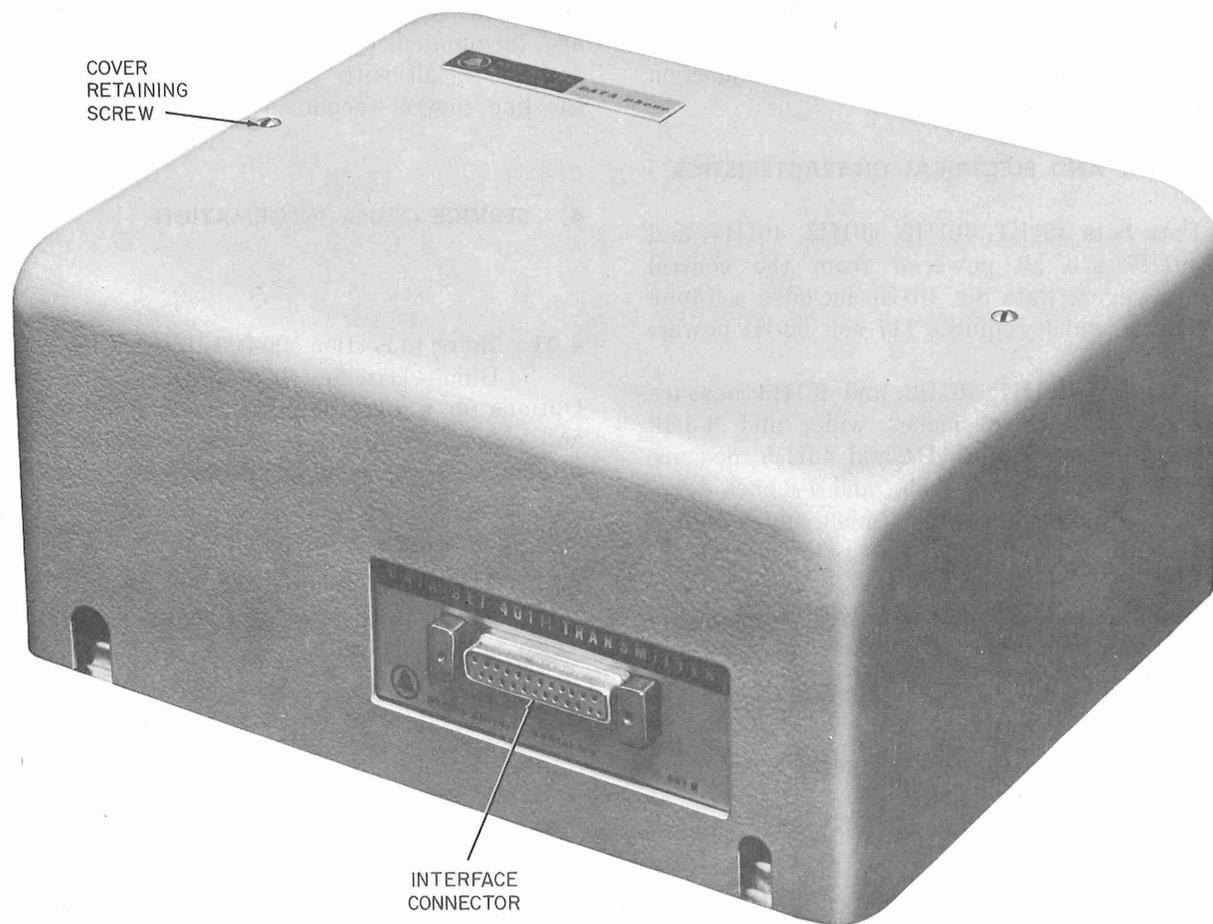


DATA SET 401H-TYPE REFERENCE GUIDE



Data Set 401H-Type—Typical

1. GENERAL

1.01 Data Set 401H-type is a low-speed tone-modulated 3-out-of-15 multifrequency parallel operation alpha-numeric transmitter. It is intended for transmission of telemetry-type data in DATA-PHONE® service on the switched network. These data sets will transmit any of 125 possible characters at any speed up to 40 characters per second.

1.02 These data sets are intended for use in remote unattended locations and are supplied in wall-mounted metal housings for inside use. They operate with a 500-type telephone set on individual lines using bridged ringing.

1.03 Data Sets 401H1 and 401H2 have been rated Manufacture Discontinued. Provision is made in Data Set 401H4 for selective ringing (tip

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or ring to ground). Data set 401H5 is similar to Data Set 401H4 except for the electrical answer-back (EAB) receiver, which allows reception of single-frequency signals from the answer-back transmitters of 401-type receivers. Data Sets 401H4 and 401H5 are proposed standards at this time and are modular in design.

1.04 Remote test capability is not provided in the Data Set 401H-type transmitters. Tests must be made at the customer's location in conjunction with the data test center.

2. PHYSICAL AND ELECTRICAL CHARACTERISTICS

2.01 Data Sets 401H1, 401H2, 401H3, 401H4, and 401H5 are all powered from the central office. However, Data Set 401H5 includes a 3-tone EAB receiver which requires 117-volt 60-Hz power.

2.02 Data Sets 401H1, 401H2, and 401H3 measure 8 inches high, 6 inches wide, and 3-3/16 inches deep. Data Sets 401H4 and 401H5 measure 7-1/4 inches high, 9 inches wide, and 4 inches deep. These data sets have a gray finish and weigh 3 pounds.

2.03 The data sets communicate with the business machine by means of contact closures.

3. OPERATION

3.01 Data Set 401H-type is intended for automatic operation. The ringing signal triggers a timing function sequence if the line control leads are closed and causes the data set to notify the caller that the call has been answered. The customer indicates readiness to have the call automatically answered by shorting line control terminals. Calls are terminated by opening these terminals. To answer a call with the associated telephone set, the line control terminals must be open.

4. SERVICE ORDER INFORMATION

4.01 Refer to Section 590-000-101 entitled Reference Guide--Description of Data Set Features and Options for a more detailed explanation of features and options common to most data sets. Service offerings are outlined in Table A.

4.02 There are no customer options on these data sets. Loop resistance strapping is the only Telco option offered.

TABLE A
SERVICE OFFERINGS—CURRENT STANDARD MODELS

MODEL	FEATURE	USOC
401H3		DC300
401H4 401H5	Proposed Standard Modular design, see EL 219.	DC300

5. SUBSTITUTE DATA SETS

5.01 Data sets listed in Table B may be substituted to supply the services previously described in this section.

(a) Data Set 401H-type Interface Specification

(b) EL 219

(c) PELs 7396 and 7576

6. REFERENCES

6.01 The following references provide additional information on Data Sets 401H-type and associated equipment:

(d) BSPs 594-022-100, -200, -300, -500

(e) BSRS 480.059

TABLE B
SUBSTITUTE DATA SETS

USOC	SUBSTITUTE	REMARKS
DC300	401H1 (MD)	Reusable when certain loop length and lightning protection considerations are met. 401H2 should be converted to 401H3.
DC300	401H2 (MD)	