

DATA SET 401M TYPE  
TRANSMITTER  
SUMMARIZING SPECIFICATION  
DATA SYSTEMS  
STATION

**1. GENERAL**

**Scope**

**1.01** This specification, together with the supplementary information listed herein, summarizes, for ordering purposes, the product design requirements for the framework, assembly, and circuits covering the data set 401M type primarily for use in DATA-PHONE® data service.

**Capacity**

**1.02** Data set 401M type is intended to replace the 401A and 401E type. It is a transmitter designed for half-duplex service. It provides for the transmission of numeric and/or alphanumeric information, such as from card readers on the switched telephone network and for the reception of signals acknowledging receipt of these transmissions.

**1.03** The data set is integrated with a telephone which may be used for normal voice communication or in establishing data calls.

**Description**

**1.04** Data set 401M type is combined with a telephone in a 2-tone gray plastic housing, commonly referred to as the "small size integrated housing." It is the same as that used for data set 401E type, and it is similar to the ED-1D008-30 housing formerly used for data sets.

**1.05** Each set consists of an 11-type apparatus unit, a 589-type function key, and three or

four modular type circuit packs for an alphanumeric transmitter.

**1.06** Each circuit pack is a functional unit and is electrically connected into the circuit through wire wrapped terminals. Installer options are located on the circuit packs in the form of screw terminals. These include output level adjustments.

**1.07** The interface connector on the data set is the standard 25-pin, KS-19087, L2 or L6, that is designed to mate with the customer supplied Cinch or Cannon DB-19604-432 plug equipped with DB-51226-1 hood.

**1.08** Power is supplied from the telephone line through the D4BJ-61 telephone line cord. The telephone cord is 5 feet 6 inches long.

**1.09** The data set is designed to operate in an environment of 40 to 120°F ambient temperature and 20 to 95 percent humidity.

**1.10** The set measures 8¾ by 9 by 3½ inches high and weighs approximately 6 pounds.

**2. SUPPLEMENTARY INFORMATION**

- A-157100—Common Features Drawing for PWBs
- X-17151—Product Design Requirements—Solderless Wrap Terminal Design
- X-17602—Manufacturing Testing Requirements—Data Set 401M
- X-77360, Sect. 207—Manufacturing Testing Requirements—CP BE13
- 590-004-108—Reference Guide
- 594-028-100—Description and Operation
- 594-028-150—Theory of Operation and Supplementary Information

## SECTION 594-028-180

594-028-200—Installation and Connections  
594-028-300—Maintenance  
594-028-500—Test Procedures  
800-610-158—Packaged Electronic Products  
800-610-159—Printed Wire Board Assemblies  
Technical Reference—Data Set 401M Interface Specification

### 3. DRAWINGS

SD-1D060-01-J207—BE 13 Circuit Pack Schematic  
SD-1D194-01—Data Set 401M Schematic

### 4. PRODUCT

#### *Data Set 401M Type Transmitter*

**List 1**—Assembly, wiring, and common apparatus for one 401M transmitter that has the capability for modulation and testing. This includes the housing, a telephone set with rotary dial, a line cord, and A and B group oscillators per SD-1D194-01, FS1.

**List 1A**—This is the same as list 1 with the exception that TOUCH-TONE® dialing is provided per SD-1D194-01, FS1, option Z.

**List 2**—C group oscillator BE13 circuit pack.

**List 3**—Voice answerback BE62 circuit pack.

**List 4**—Audible answerback BE63 circuit pack.

### TABLE OF AUTHORIZED ORDERABLE CODE NUMBERS

DATA SET	RATING	REPLACED BY	REPLACING
401M-L1/4	AT&TCo Std	—	401A1
401M-L1A/4	AT&TCo Std	—	—
401M-L1/2/4	AT&TCo Std	—	401E2
401M-L1/2/3	AT&TCo Std	—	401E3
401M-L1A/2/4	AT&TCo Std	—	401E4
401M-L1A/2/3	AT&TCo Std	—	401E5
401M-L1/3	AT&TCo Std	—	—
401M-L1A/3	AT&TCo Std	—	—

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