

DATA SET 202M TYPE
RECEIVER ONLY
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 Data Set 202M type for use in private line service or DATA-PHONE® data service.

1.02 This specification is revised to agree with current information.

Description

1.03 Data Set 202M type is a receive-only set capable of providing data reception at speeds up to 1800 bps when used with appropriately conditioned private lines (similar to 202D) or 1200 bps on dial switched message network (DDD) lines with a 502-type telephone set.

1.04 It is furnished in a two-tone gray plastic housing equipped with a locking TONE key and a locking TST key. No telephone is furnished; however, this set may be used with a 502BR-61 telephone set to provide talking facilities and data mode via an exclusion-type key.

1.05 BE-type circuit packs, each a functional unit, are electrically connected through wire-wrapped terminals. An adjustable level control on BE55 is located on the top edge. This control adjusts the 2025-Hz output level used in making a remote test.

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

1.07 Power is supplied by a KS-20426,L1 transformer which is shipped loose with each set. The transformer must be plugged into a 3-prong commercial source of power, 105 to 129 volts rms at a frequency of 60 Hz, and surface wired to a connecting block (not furnished) where the D6AA-61 mounting cord from the data set is terminated. This cord is 5 feet 6 inches long. If KS-20426,L1 is unavailable, the KS-16886,L2 transformer may be used and building ground wire must be connected to the data set.

1.08 This data set is designed to operate in an environment of +40° to 120°F ambient temperature and 20 to 95 percent humidity.

1.09 The set measures 11 by 10½ by 5½ inches high and weighs approximately 6 pounds.

2. SUPPLEMENTARY INFORMATION

X-17151—Product Design Requirements—Solderless Wrap Terminal Design

X-17585—Manufacturing Testing Requirements for Data Set 202H and 202M

X-77360—(Sections 623 and 628)—Manufacturing Testing Requirements for BE1 and BE26 Circuit Packs

A-157100—Common Features Drawing for PWBs

AA610.011—Packaged Electronic Products

AA610.012—Printed Wire Board Assemblies

590-010-200—General Installation and Connection Information

592-024-100—Description and Operation

592-024-200—Installation and Connections

592-024-300—Maintenance

592-024-500—Test Procedures

SECTION 592-024-180

KS-20426,L1—Transformer or
 KS-16886,L2—Transformer
 Technical Reference—Data Set 202M Interface
 Specification

BUSINESS MACHINE INTERFACE FOR DATA SET 202M

PIN NUMBER	FUNCTIONS
1	Protective Ground
2	Not Used
3	Received Data
4-6	Not Used
7	Signal Ground
8	Data Carrier Detector
9	+P
10	-P
11-25	Not Used

3. DRAWINGS

SD-1D169-01—Data Set 202M Receiver Circuit
 Schematic

Circuit Packs

CIRCUIT DRAWING	J SHEET	CIRCUIT PACK	TITLE
SD-1D060-01	J150	BE1	Power Supply
SD-1D169-01	J1	BE38	Demodulator
	J2	BE39	Carrier Detector

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J3	BE40	Transformer
J4	BE51	1800-bps Post Detection
J7	BE55	Test Module C
J9	BE57	Relay Card
	BE41	TB2

No Schematic

4. PRODUCT

*Data Set 202M Receiver per SD-1D169-01, APP
 FIG. 2, Z Option*

List 1—Assembly, wiring, and common apparatus
 for one 202M receiver for service over
 voice band private line facilities for up to
 1800 bps or 1200 bps on DDD lines with a
 502BR-61 telephone set which must be
 ordered separately.

A 6-conductor line cord and transformer per KS-
 20426,L1 or KS-16886,L2 are furnished.

**TABLE OF AUTHORIZED
 ORDERABLE CODE NUMBERS**

DATA SET	RATING	REPLACED BY
202M-L1	AT&TCo Std	—