

Bell System Data Communications

TECHNICAL REFERENCE

Data Sets 201A and 201B

Interface Specification

Supplement 2



November 1968



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1. GENERAL

1.1 This supplement is issued to the Data Set 201A and 201B Interface Specification to include Data Sets 201A3, 201A4, 201B3 and 201B4 which replace the 201A1, 201A2, 201B1 and 201B2, respectively. The replacing data sets provide an optional voltage control interface in conformance with EIA Standard RS-232-B. They are also compatible with Data Auxiliary Sets 804-type and 801-type (ACU). The discontinued data sets will continue to be used where applicable.

1.2 Table I shows the features of all assigned codes for Data Sets 201A and 201B.

TABLE I

<u>Data Set Code</u>	<u>Data- Phone</u>	<u>Private Line</u>	<u>Control Leads*</u>	
			<u>EIA Voltage</u>	<u>Contact</u>
201A1	X	X		X
201A2	X	X		X
201A3	X	X	X	X
201A4	X	X	X	X
201B1		X		X
201B2		X		X
201B3		X	X	X
201B4		X	X	X

* Pins 6, 19, 20, 21, 22 and 23. See Table II

2. INTERFACE

2.1 Table II shows the pin assignments for Data Sets 201A and 201B.

TABLE II

<u>Pin No.</u>	<u>Lead Designation</u>	<u>Operating Range</u>
1	Frame Ground (FG)	-
2	Send Data (SD)	Note 1
3	Received Data (RD)	Note 1
4	Request to Send (RS)	Note 1
5	Clear to Send (CS)	Note 1
6	Interlock (IT)	Note 2
7	Signal Ground (SG)	-
8	Carrier On (CO)	Note 1
9	Pos. Battery (+12V)	Note 5
10	Neg. Battery (-12V)	Note 5
11	Not Used	-
12	Not Used	-
13	Not Used	-
14	New Sync (NS)	Note 1
15	Serial Clock Transmitter (SCT)	Note 1
16	Dibit Clock Transmitter (DCT)	Note 1
17	Serial Clock Receiver (SCR)	Note 1
18	Dibit Clock Receiver (DCR)	Note 1
19	Remote Release (RR)	Note 3
20	Remote Control (RC)	Note 4
21	Ready (RDY)	Note 3
22	Ring Indicator 1 (RGI1)	Note 4
23	Ring Indicator 2 (RGI2)	Note 3
24	Serial Clock Transmitter External (SCTE)	Note 1
25	Not Used	-

Notes:

1. Nominal +6 volts or -6 volts. The region between +3 volts is undefined.
2. For contact interface nominal +6 volts or 0 volts. The region between 0 volts and +3 volts is undefined. For EIA option, same as Note 1.
3. For contact interface, operates on a contact closure basis. Not used with EIA option.
4. For contact interface, operates a contact closure basis. For EIA option, same as Note 1.
5. For Telephone Company use only.