

DATA AUXILIARY SET 830D

IDENTIFICATION

1. GENERAL

1.01 This section provides an identification and general description of data auxiliary set (DAS) 830D (Fig. 1).



Fig. 1—Data Auxiliary Set 830D

1.02 Whenever this section is reissued, the reason for reissue will be contained in this paragraph.

1.03 The DAS 830D is used in conjunction with data set (DS) 108F, 108G, or any data set in a DAS 830A to provide a clear-to-send timer for use in polling applications.

2. PHYSICAL DESCRIPTION

2.01 The DAS 830D consists of a single printed circuit board mounted in a housing assembly and having two attached cords, each equipped with a 25-pin connector.

2.02 The DAS 830D housing assembly consists of a connecting block and a cover. One of the 25-pin connectors is female (for connection to

customer-provided equipment [CPE]) the other connector is male (for connection to the data set).

2.03 Data auxiliary set 830D measures approximately 2 inches wide by 3.9 inches long by 1.2 inches high and weighs approximately 6.4 ounces.

2.04 The DAS 830D operates over a temperature range of 40°F to 120°F with relative humidity of 20 to 95 percent.

3. FUNCTIONAL DESCRIPTION

3.01 Data auxiliary set 830D provides a clear-to-send timer by introducing a time delay between the turning on of the request-to-send lead CA and the turning on of the clear-to-send lead CB.

3.02 Data auxiliary set 830D can provide a long time delay (nominally 500 ms \pm 75 ms) or a short time delay (nominally 200 ms \pm 30 ms). The long time delay is option Z and the short time delay is option Y.

3.03 Data auxiliary set 830D will keep clear-to-send lead CB *off* until received carrier is detected if option W is selected in the associated DS 108F or 108G.

3.04 The customer interface circuit Electronic Industries Association (EIA) designations, functions, and connector pin assignments are shown in Table A.

4. REFERENCES

4.01 The following Bell System Practices provide additional information on DAS 830D and associated equipment:

SECTION	TITLE
591-816-100	Private Line Station Arrangements using Data Auxiliary Sets 830A

NOTICE

Not for use or disclosure outside the Bell System except under written agreement

TABLE A

EIA DESIGNATION	FUNCTION	CONNECTOR PIN ASSIGNMENT
BA	Transmitted Data	2
BB	Received Data	3
CA	Request-to-Send	4
CB	Clear-to-Send	5
CC	Data Set Ready	6
AB	Signal Ground	7
CF	Received Line Signal Detector	8
	Test (Note)	18

Note: Used in some Bell System applications.

	and 830B With Data Sets 108- and 109-Type—Description and Operation		With Data Auxiliary Sets 830B and 830C—Description
591-816-200	Private Line Station Arrangements Using Data Auxiliary Sets 830A and 830B With Data Sets 108- and 109-Type—Installation and Connections	591-818-200	Private Line Station Arrangements Using Data Sets 108F and 108G With Data Auxiliary Sets 830B and 830C—Installation and Connections
591-816-300	Private Line Station Arrangements using Data Auxiliary Sets 830A and 830B With Data Sets 108- and 109-Type—Maintenance	591-818-500	Private Line Station Arrangements Using Data Sets 108F and 108G With Data Auxiliary Sets 830B and 830C—Maintenance and Test Procedures
591-816-500	Private Line Station Arrangements Using Data Auxiliary Sets 830A and 830B With Data Sets 108- and 109-Type—Test Procedures		
591-818-100	Private Line Station Arrangements using Data Sets 108F and 108G		4.02 Detailed information concerning DAS 830D is contained in Circuit Description (CD) and Schematic Drawing (SD) 1D250-01, entitled Data Auxiliary Sets 830A, 830B, 830C, and 830D Type.