

DATA AUXILIARY SET 820A-TYPE

IDENTIFICATION

1. GENERAL

1.01 This section identifies Data Auxiliary Set (DAS) 820A-type (Fig. 1) which provides station controller functions and interface conversion between Model 33-, 35-, and 37-type teletypewriters (TTY) and a Data Set 108A-type for No. 1 Electronic Switching System arranged with data features (No. 1 ESS ADF) full-duplex (FDX) 100-word per minute (wpm), 86B1 FDX 100-wpm, and 86B2 FDX 150-wpm data stations.

1.02 This section is reissued for the following reasons:

- (a) To include references to the 86B1 FDX 100-wpm data station
- (b) To include references to the 86B2 FDX 150-wpm data stations
- (c) To include information pertaining to DAS 820A5 and DAS 820A6.

Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.

1.03 The DAS 820A-type is available in four types. The four types, the model TTY they are used with, and the type station they are used at are listed in Table A.

1.04 The DAS 820A-type (Fig. 1) consists of a 24A power unit, a 59C apparatus mounting (which contains 12 circuit packs), KS-16786 L2, L3, and L4 connectors (one each), two switches, a terminal strip, an M3AY or KS-14532 L16 power cord, and a 748A tool assembly (card extracting

tool). The Data Set 108A-type (shown in Fig. 1) must be ordered separately. The circuit packs for each type DAS are given by slot number in Table B.

1.05 The DAS 820A-type measures 15-1/2 inches wide, 6 inches high, and 9 inches deep. The set weighs approximately 18 pounds.

1.06 A DAS 820A-type is designed to be mounted inside of the TTY pedestal by using either a 91A bracket (33-type TTY), a 92A bracket (35-type TTY), a 93A bracket (37-type TTY), or a 95A bracket (35- or 37-type ROTR TTY). When a 35- or 37-type ROTR TTY is used as the primary receiver at a TERM ONLY station, the DAS 820A-type is mounted in a KS-20018 type cabinet.

1.07 Detailed information for DAS 820A-type is covered in the Plant Series of the Bell System Practices as follows.

580-301-Z01 No. 1 Electronic Switching System ADF—Full-Duplex—100-Word Per Minute Data Station—Using 4-Row Teletypewriter

581-136-Z02 86B1 Data Selective Calling Service—Full-Duplex—100-Word Per Minute Data Station

581-136-Z03 86B2 Data Selective Calling Service—Full-Duplex—150-Word Per Minute Data Station.

1.08 The schematic drawing and circuit description covering the DAS 820A-type are SD- & CD-3D039-01.

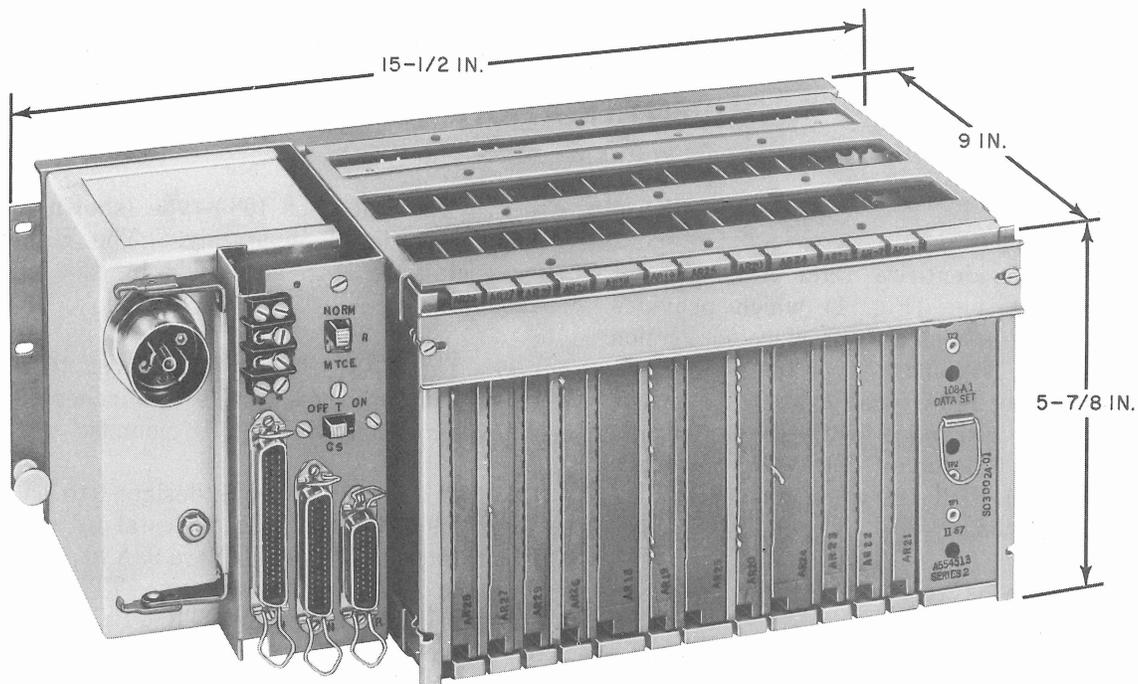


Fig. 1—Data Auxiliary Set 820A-Type

TABLE A

TYPE DAS	TTY USED WITH	TYPE STATION USED AT
820A1	Model 33-† or 35-type	No. 1 ESS ADF or 86B1 FDX, 100-wpm originate/terminate (ORIG/TERM) and originate only (ORIG ONLY) stations
820A2*	Model 33-type	No. 1 ESS ADF or 86B1 FDX 100-wpm ORIG/TERM, ORIG ONLY, or terminate only (TERM ONLY) stations
	Model 35-type	No. 1 ESS ADF or 86B1 FDX, 100-wpm TERM ONLY stations
820A5	Model 37-type	86B2 FDX, 150-wpm data stations (all)
820A6	Model 33-† or 35-type	86B1 FDX, 100-wpm data stations (all)

* Not equipped with end-of-transmission (EOT) counter.

† When station using 33-type TTY is equipped with DAS 820A1, the EOT counter is ineffective.

TABLE B

TYPE DAS	SLOT											
	1	2	3	4	5	6	7	8	9	10	11	12
820A1	AR 28	AR 27	AR 29	AR 26	AR 18	AR 19	AR 25	AR 20	AR 24	AR 23	AR 22	AR 21
820A2	AR 355	AR 27	AR 29	AR 26	AR 18	AR 19	AR 25	AR 20	AR 24	AR 23	AR 22	AR 21
820A5	AR 70	AR 68	AR 69	AR 65	AR 18	AR 71	AR 25	AR 475	AR 479	AR 478	AR 477	AR 480
820A6	AR 483	AR 482	AR 484	AR 481	AR 18	AR 71	AR 25	AR 475	AR 479	AR 478	AR 477	AR 476