

DATA AUXILIARY SET 819A

IDENTIFICATION AND OPERATION

1. GENERAL

1.01 This section contains descriptive and operational information for Data Auxiliary Set 819A type. This section does not contain information for the associated data set. The Data Auxiliary Set 819A type was designed to supply operating voltages for Data Set 205B type equipment.

2. DESCRIPTION

2.01 Data Auxiliary Set 819A (hereafter referred to as DAS 819A) occupies 6 inches vertically by 9 inches deep when mounted in a 23-inch wide rack (see Fig. 1). Two types of DAS 819A are available. The DAS 819A weighs approximately 20 pounds. DAS 819A1 consists of one panel mounted rectifier with associated connecting cords which provide operating power for one data set. DAS 819A2 consists of two panel mounted rectifiers with associated connecting cords to provide operating power for two data sets.

2.02 Each panel-mounted rectifier is designated as J87270A-1. This rectifier is designed to operate from commercial power and provide both

a +18 vdc and a -18 vdc output voltage with respect to the rectifier common ground. Requirements for the J87270A-1 are presented in Table A.

2.03 The DAS 819A1 is supplied with two connecting cords. The KS-14532, L16 ac power cord is supplied with a conventional 3-wire male plug at one end and a miniature 3-wire twist-lock female plug at the opposite end. The female plug mates to the connector on the power supply. The dc power cord is a 4-conductor cable with a KS-8585, L16 type connector at one end to mate with the DAS 819A output connector. The opposite end of the dc power cord has a KS-8586, L50 connector which will mate to the associated data set (see Fig. 2). A DAS 819A2 requires two ac power cords and two dc power cords.

3. OPERATION

3.01 There are no controls, switches, or adjustments on the J87270A-1 rectifier or the DAS 819A. Operation is instantaneous when the ac power cord is connected to commercial ac Power. A sketch of the J87210A-1 rectifier is shown in Fig. 3.

TABLE A
POWER SUPPLY REQUIREMENTS

INPUT		OUTPUT	PIN
Voltage	117 ($\pm 10\%$)	+18.0 (± 1.0)* vdc at 1.8 amp	3
Frequency	60 ($\pm 0.75\%$)	-18.0 (± 1.0)* vdc at 0.4 amp	5
Power	58 watts (819A1)	Common (rectifier)	4
	116 watts (819A2)	Frame Ground	6

*Peak-to-peak ripple must be less than 0.75 volt maximum

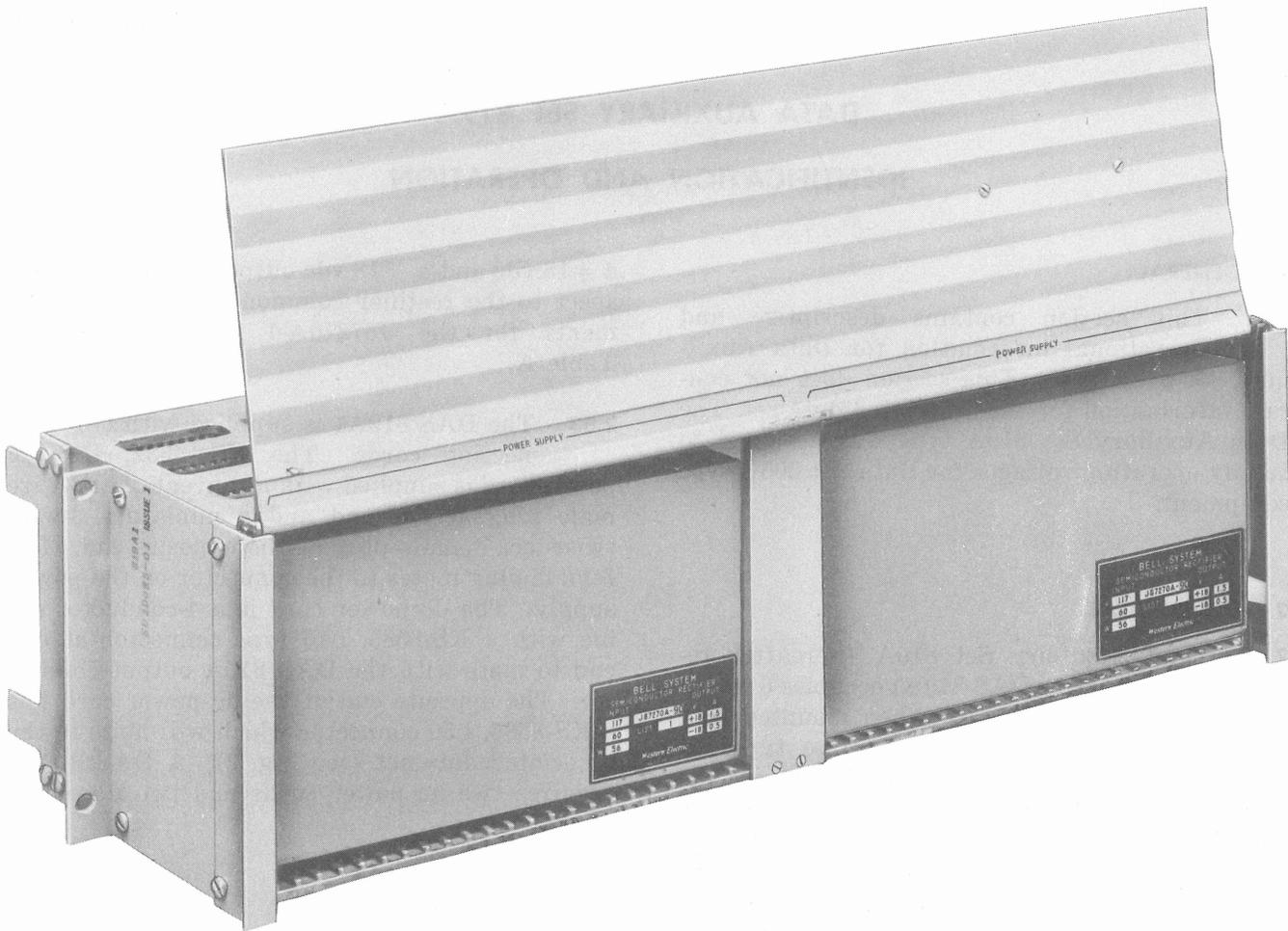


Fig. 1 — Data Auxiliary Set 819A2, Front View

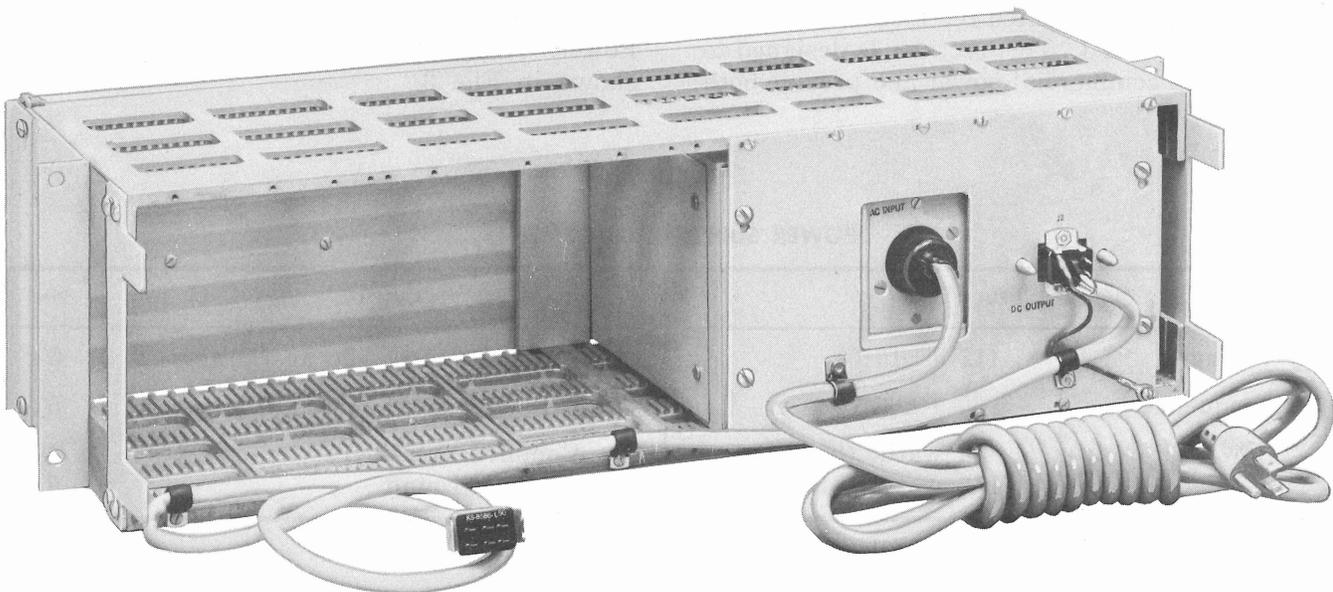


Fig. 2 — Data Auxiliary Set 819A1, Rear View

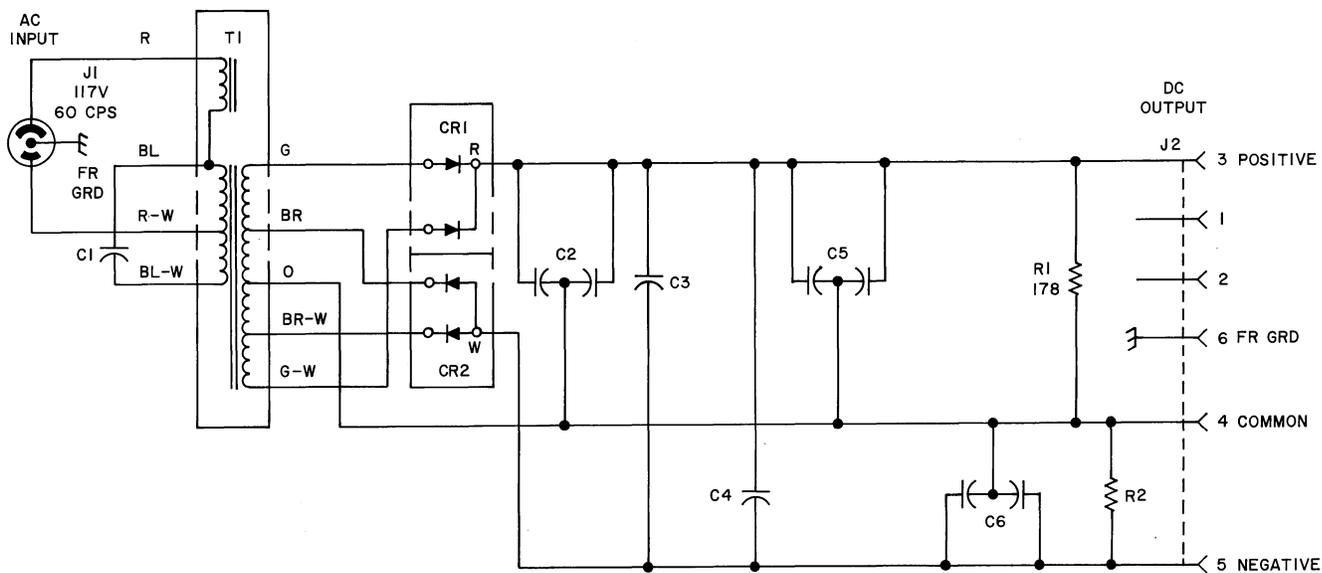


Fig. 3 — J87270A-1 Rectifier, Sketch