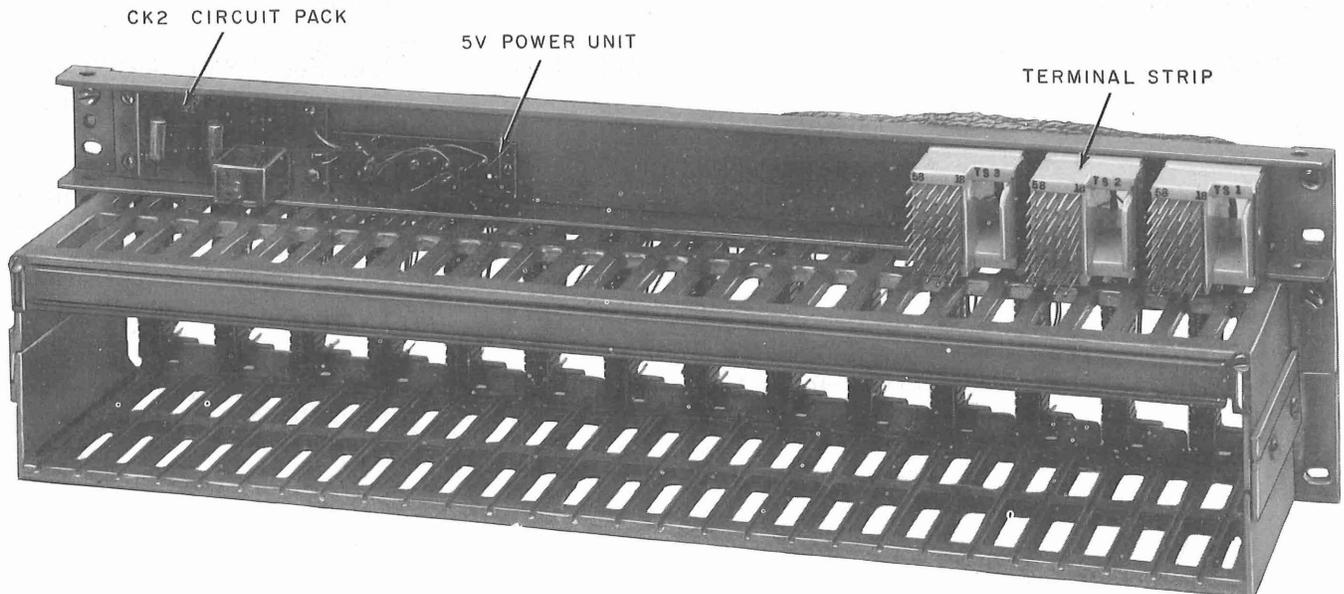


43A1 DATA MOUNTING IDENTIFICATION



43A1 Data Mounting

1. GENERAL

1.01 This practice provides a physical description of the 43A1 data mounting and describes its basic function. A list of references given in Part 3 provides additional information on the 43A1 data mounting.

1.02 The 43A1 data mounting is central office equipment which is used in conjunction with data set 115A as a part of a low speed signaling system for transmission of customer-originated alarm signals.

2. DESCRIPTION

2.01 The 43A1 data mounting measures 5.9 inches high, 23 inches wide, and 6.7 inches deep, and weighs approximately 9 pounds. The data mounting accepts up to 14 data sets 115A in a slotted nest arrangement and contains an 8-second alarm timer (CK2 circuit pack) and a 5V power unit. Connection of the data mounting to other apparatus is made from wire-wrap terminals on the D5A terminal strips.

2.02 The CK2 circuit pack measures 1.7 inches wide, 4.05 inches long, and 1.26 inches high, and weighs 2.5 ounces. The circuit pack is factory connected as part of the 43A1 data mounting. It is powered from the -48V central office battery and will operate in an ambient temperature range of -20 to $+140^\circ\text{F}$, and a relative humidity range of 5 to 95 percent.

2.03 The 5V power unit (Powercube Corporation Model P-1D101) draws approximately 300 mA from the -48V central office battery and supplies $+5\text{V}$ (-43V referenced to system ground) at no more than 1A.

2.04 Data set 115A detects and repeats customer-originated alarm signals of 30 baud or less. The signals are in the form of alarm loop continuity or open and loop floating or ground. Data set 115A converts these input signals to ground referenced signals N' and G'. An interface driver located elsewhere in the low speed signaling system converts the N' and G' signals to a form compatible with the customer signal detection equipment.

SECTION 590-102-138

3. REFERENCES

3.01 For additional information relating to the low speed signaling system, refer to the following documents:

SECTION	TITLE	SECTION	TITLE
312-812-100	Low Speed Signaling System Using Data Set 115A—Description	312-812-300	Low Speed Signaling System Using Data Set 115A—Maintenance
312-812-180	Data Set 115A—Summarizing Specification	312-812-500	Low Speed Signaling System Using Data Set 115A—Test Procedures
312-812-200	Low Speed Signaling System Using Data Set 115A—Installation and Connections	880-350-110	Low Speed Signaling System Using Data Set 115A—General Engineering Considerations

NUMBER	TITLE
CD- & SD-73104-01	Data Set 115A-Type and 43A1 Data Mounting