

PRIVATE LINE INTERCONNECTION ARRANGEMENTS
FOR LINE SIDE OF
10-TYPE DATA LINE CONCENTRATOR SYSTEM (DATREX*)
SUMMARIZING SPECIFICATION

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, summarizes for application and ordering purposes the product engineering requirements for a private line interconnection arrangement for the line side of the 10-type data line concentrator system (DATREX).

Description

1.02 This interconnection arrangement provides a means to connect a private line facility to the line side of the 10-type data line concentrator. A private line DATREX interconnection arrangement consists of the following.

ITEM	DESCRIPTION/USE	NUMBER REQUIRED
Data Set 108A	FDX or HDX — ac Loop	1 per Line
or	or	
Data Set 109A	HDX — dc Loop	1 per Line
Data Set 109D-L1	HDX — dc Loop	1 per Line
or	or	
Data Set 109E-L1	HDX or FDX — dc Loop	1 per Line
AR463 Circuit Pack	Provides interface and control circuitry between private line data sets and data concentrator data sets	1 per Line
28A1 Data Mounting	Framework and Wiring	1 per 3 Lines

ITEM	DESCRIPTION/USE	NUMBER REQUIRED
KS-20575 Rectifier	Power Unit	1 per 6 Lines
208A Adapter	Cabling Interconnections	1 per 2 Lines 2 per 3 Lines

1.03 The data sets, circuit pack, adapter, and KS rectifier are all mounted either in or on the 28A1 data mounting. The 28A1 data mounting will accommodate up to three of these arrangements. At installations where only one or two arrangements are required, one 208A adapter is needed. When three arrangements are required, two 208A adapters are needed. All arrangements may be mounted on 23-inch or 25-inch racks.

1.04 The dimensions and weights of apparatus used are as follows:

UNIT	HEIGHT	WIDTH	LENGTH	WEIGHT	
	INCHES	INCHES	INCHES	POUNDS	OUNCES
Data Set 108A	5.55	1.25	7.10	1	4
Data Set 109A1	5.55	1.25	7.10	—	4
Data Set 109D-L1	5.55	0.56	7.10	—	8
Data Set 109E-L1	5.55	0.56	7.10	—	8
AR463 Circuit Pack	5.55	0.56	7.10	—	4
28A1 Data Mounting	6	25	10.5	15	—
KS-20575 Rectifier	5.25	6	6.5	12	8

*Service mark of the Bell System.

2. SUPPLEMENTARY INFORMATION

- A-157100 — Common Features Drawing for Printed Wiring Boards
- A-836330 — Terminal Area Configurations for Printed Wiring Boards
- 591-811-102 — Private Line Interconnection Arrangements for Line Side of 10-Type Data Line Concentrator System (DATREX) — Description
- 591-811-202 — Private Line Interconnection Arrangements for Line Side of 10-Type Data Line Concentrator System (DATREX) — Installation and Connection
- 591-811-302 — Private Line Interconnection Arrangements for Line Side of 10-Type Data Line Concentrator System (DATREX) — Maintenance
- 591-811-502 — Private Line Interconnection Arrangements for Line Side of 10-Type Data Line Concentrator System (DATREX) — Test Procedures
- 800-610-159 — Printed Wiring Assemblies — General Equipment Requirements
- X-17428 — Plated-Through Holes on Printed Wiring Boards
- X-17608 — Manufacturing Testing Requirements
- KS-20575 — Rectifier

3. DRAWINGS

- SD-1D200-01 — Private Line/DATREX Interconnection Circuit (Line Side) Schematic
- SD-3D024-01 — Data Set 108A Schematic
- SD-3D025-01 — Data Set 109A1 Schematic
- SD-1D172-01 — Data Set 109D-L1 Schematic
- SD-1D176-01 — 28-Type Data Mounting Schematic
- SD-1D198-01 — Data Set 109E-L1 Schematic

4. PRODUCT

TABLE OF AUTHORIZED ORDERABLE CODE NUMBERS

APPARATUS	RATING
Data Set 108A	AT&TCo Std
Data Set 109A1	AT&TCo Std
Data Set 109D-L1	AT&TCo Std
Data Set 109E-L1	AT&TCo Std
AR463 Circuit Pack	AT&TCo Std
28A1 Data Mounting	AT&TCo Std
208A Adapter	AT&TCo Std

5. GENERAL NOTES

- 5.01** When ordering apparatus, show full code.
Example: Data Set 109E-L1
28A1 Data Mounting
AR463 Circuit Pack

Bell Telephone Laboratories, Incorporated

Dept 3123