

SS3 MULTILINE CONNECTING EQUIPMENT EQUIPMENT DESIGN REQUIREMENTS PRIVATE SERVICE SYSTEMS

1. GENERAL

SCOPE

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the equipment units and circuits to be used in the manufacture and installation of the SS3 multiline connecting equipment.

DESCRIPTION

1.02 The SS3 multiline connecting equipment provides the necessary circuitry to interconnect two, three, four, or five SS3 single line privacy systems on a 6-branch, 4-wire transmission bridge. In 4- and 5-line systems, two simultaneous independent interline conferences may be arranged. The system also has the capability of automatically routing conferences to the idle bridge.

1.03 Equipment consists of various 2-, 4-, and 6- by 23-inch mounting plate units selected and interconnected to provide a desired line capacity (see Fig. 1 and Table A). Connectors are used to interconnect the several basic line units, thereby eliminating a large portion of the hard wiring.

1.04 Signaling and control equipment consists of integrated circuits mounted on AR-type circuit packs. These AR- circuit packs are inserted in apparatus mountings on the previously mentioned basic line units.

2. SUPPLEMENTARY INFORMATION

800-600-000—Checking List—General Equipment Requirements
812-000-000—Station System Index
J53045—812-017-151—4-Wire Private Line Terminating and Station Equipment
J58839—809-822-150—758A and 758B PBXs—4-Wire Lines
J99289—801-621-151—TOUCH-TONE® Calling

Receiver—Type A3

J1G027—811-019-150—SS3—TOUCH-TONE Selective Signaling System

J1G028—811-019-151—Equipment Package SS3—TOUCH-TONE Selective Signaling System

3. DRAWINGS

WE J drawings should be ordered by referring to the prefix and base number and requesting the current dash (—) number.

Circuits

SD-65931-01—No. 758A Conference Bridge Circuit
SD-98148-01—TOUCH-TONE Calling Receiving Circuit
SD-1G284-01—SS3 Multiline Connecting Circuit

Equipment

ED-69496-()—Circuit Pack
ED-1G194-()—Circuit Pack Assembly
ED-1G240-()—Circuit Pack Assembly
J1G031A-()—Basic Unit for Lines 1 and 2
J1G031B-()—Connecting Unit
J1G031C-()—Tone Amplifier Unit
J1G031D-()—Tone Generator and +24 Volt Power Supply Unit
J1G031E-()—Basic Unit for Line 3
J1G031F-()—Basic Unit for Line 4
J1G031G-()—Basic Unit for Line 5

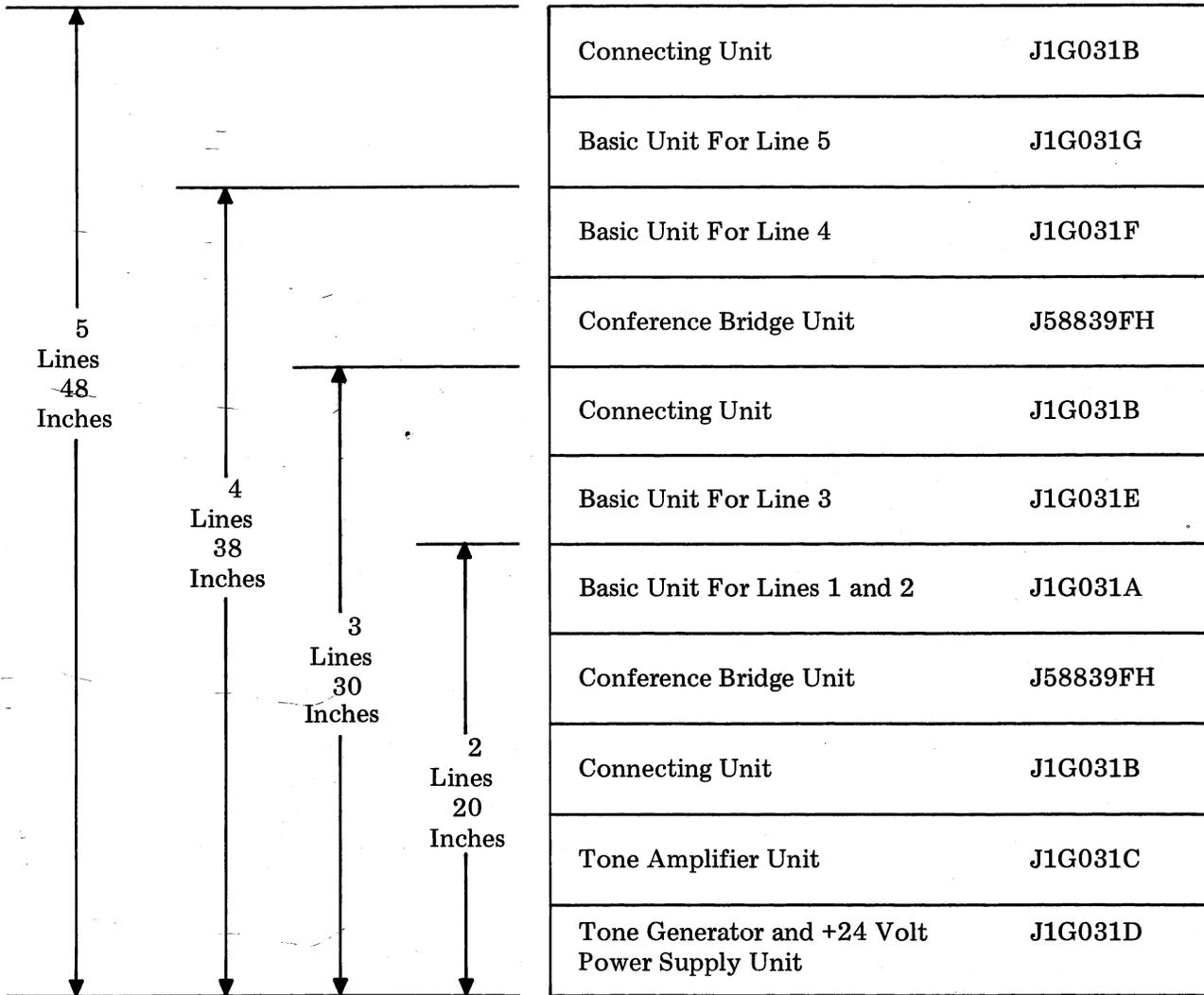
4. EQUIPMENT

J1G031A—AT&TCo Std—Basic Unit for Lines 1 and 2

Equipment—J1G031A-()

List 1—Assembly, wiring, and equipment for one basic unit for lines 1 and 2 per SD-1G284-01, Fig. 2, 4, 5, 6, and 7 with Y wiring.

List 2—One AR616 circuit pack required in addition to list 1 to provide data and/or PBX options



Notes

1. TOUCH-TONE calling receivers are not shown.
2. See Table A and Part 4. for J code list numbers.

Fig. 1—Equipment Arrangement for 2-, 3-, 4-, and 5-Line Systems

TABLE A

UNIT		QUANTITY REQUIRED PER SYSTEM			
CODE	LIST NO.	2 - LINE	3 - LINE	4 - LINE	5 - LINE
J1G031A	1	1	1	1	1
	2	1*	1*	1*	1*
J1G031B	1	1	2	2	3
	2	1	1	2	2
J1G031C	1	1	1	1	1
	2			1	1
J1G031D	1	1	1	1	1
J1G031E	1		1	1	1
	2		1*	1*	1*
J1G031F	1			1	1
J1G031G	1				1
J58839FH	1	1	1	2	2
J99289A	1	2	2	3	4
J99289B	1	3	4	6	7

* For data and/or PBX options.

for lines 1 and 2 per SD-1G284-01, Fig. 8.

Note

- A. Installer shall remove Y straps on 4- and 5-line systems.

J1G031B—AT&TCo Std—Connecting Unit

Equipment—J1G031B-()

List 1—Assembly, wiring, and equipment for one fully equipped and one partially equipped connecting circuit per SD-1G284-01, Fig. 3 and 7.

List 2—Equipment required in addition to list 1 when second connecting circuit per SD-1G284-01, Fig. 7, is required.

Note

- A. Installer shall provide option X wiring as required.

J1G031C—AT&TCo Std—Tone Amplifier Unit

Equipment—J1G031C-()

List 1—Assembly, wiring, and equipment for one fully equipped and one partially equipped tone amplifier per SD-1G284-01, Fig. 2.

List 2—Equipment required in addition to list 1 when second tone amplifier per SD-1G284-01, Fig. 2, is required.

J1G031D—AT&TCo Std—Tone Generator and +24 Volt Power Supply Unit

Equipment—J1G031D-()

List 1—Assembly, wiring, and equipment for one tone generator and +24 volt power supply unit per SD-1G284-01, Fig. 1.

J1G031E—AT&TCo Std—Basic Unit for Line 3

Equipment—J1G031E-()

List 1—Assembly, wiring, and equipment for one basic unit for line 3 per SD-1G284-01, Fig. 5, 6, and 7.

List 2—One AR616 circuit pack required in addition to list 1 to provide data and/or PBX options for lines 3, 4, and 5 per SD-1G284-01, Fig. 8.

J1G031F—AT&TCo Std—Basic Unit for Line 4

Equipment—J1G031F()

List 1—Assembly, wiring, and equipment for one basic unit for line 4 per SD-1G284-01, Fig. 2, 4, 5, 6, and 7.

J1G031G—AT&TCo Std—Basic Unit for Line 5

Equipment—J1G031G()

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List 1—Assembly, wiring, and equipment for one basic unit for line 5 per SD-1G284-01, Fig. 5, 6, and 7.

5. GENERAL NOTES

5.01 Provide one J99289B(), List 1 TOUCH-TONE calling receiver for each line and bridge circuit used in the multiline connecting system. Also, provide one J99289A(), List 1 TOUCH-TONE calling receiver mounting shelf for every two receivers required (see Table A).

5.02 Provide one J58839FH(), List 1 6-branch conference bridge unit for each bridge circuit used in the multiline connecting system (see Table A).