

520D
EMERGENCY REPORTING SYSTEM
EQUIPMENT DESIGN REQUIREMENTS
COMMON SYSTEMS

1. GENERAL

and installation of the 520D emergency reporting system.

Scope

1.01 This specification, together with the supplementary information listed herein, covers the design requirements for the framework, equipment, and circuits to be used in the manufacture

1.02 This specification is reissued to incorporate new switchboard face equipment for the following new features: communication and guard reporting, guard key reporting, guard tour, and fire detection.

SUBDIVISIONS OF EQUIPMENT AND DETAILED INDEX

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

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CIRCUITS PER UNIT
J99257A	AT&TCo Std	520D Emergency Reporting System—Single-Section—Single-Position Answering Switchboard (See Fig. 1)	J99257A-()	SD-98054-01 SD-98053-01	—
J99257B	AT&TCo Std	Position Unit Face Equipment	J99257B-()	SD-98053-01 SD-98054-01 SD-98055-01 SD-98056-01 SD-98060-01 SD-98063-01	1
J99257C	AT&TCo Std	Cord Unit Face Equipment	J99257C-()	SD-98056-01	—
J99257D	AT&TCo Std	Line, Key, and Lamp Unit	J99257D-()	SD-98050-01 SD-98074-01 SD-98075-01	10
J99257E	AT&TCo Std	Line and Trunk, Jack, and Lamp Unit	J99257E-()	SD-98050-01 SD-98051-01 SD-98060-01 SD-98065-01 SD-98074-01	20
J99257F	AT&TCo Std	Central Office and Incoming Trunk or High Voltage Control Key and Lamp Face Equipment	J99257F-()	SD-98050-01 SD-98051-01 SD-98053-01 SD-98060-01	10

Circuit Schematic Index

CIRCUIT DRAWING	J99257 EQUIP. CODE
SD-5E054-01	A
SD-98050-01	D, E, F
SD-98051-01	E, F
SD-98053-01	A, B, F
SD-98054-01	A, B
SD-98055-01	B, G, H
SD-98056-01	B, C
SD-98060-01	B, E, F
SD-98063-01	B
SD-98065-01	E, J
SD-98068-01	K
SD-98069-01	K
SD-98070-01	K
SD-98074-01	A, D, E, J, N, P
SD-98075-01	D
SD-98076-01	K
SD-98077-01	K
SD-98128-01	L
SD-98145-01	K

2. SUPPLEMENTARY INFORMATION

- 800-600-000—List of General Equipment Requirement Sections
- 801-000-000—Equipment Design and General Equipment Requirements and Engineering Information—Common Systems
- J99284—809-703-150—General Information Specification

3. EQUIPMENT

J99257A—AT&T Co Std—520D Emergency Reporting System—Single-Section—Single-Position Answering Switchboard

Equipment—J99257A-()

List 1—Framework, assembly, wiring, and equipment for one single-section, single-position answering switchboard per SD-98054-01, Fig. 6, H option. (See Note A.)

List 2—Framework, assembly, wiring, and equipment required in addition to list 1 to provide an additional switchboard section for expansion purposes per SD-98054-01, Fig. 6, H option.

List 3—Equipment required in addition to list 1

when fire detection alarm lamp is required per SD-98053-01, Fig. 27.

List 4—Equipment required in addition to list 3 when the remote alarm cut-off key is required per SD-98053-01, Fig. 24.

Note

A. The wiring required for lists 1 and 2 consists of ground lead connections from the ground bar to the test block connector, to cord unit terminal strip if provided, and to a convenient point on the switchboard face equipment (left and right side). Since the face equipment is not mounted at this time, the ground leads, either left or right, should be run to the approximate location of the lowest face unit on the panel. When the face unit is mounted, the connections can be made.

J99257B—AT&T Co Std—Position Unit Face Equipment

Equipment and Unit Cabling—J99257B-()

List 1—Assembly, wiring, and equipment for one position unit arranged for left-panel mounting and direct line operation only.

	WIRE	EQUIP
Position and Cord Ckt, SD-98056-01:		
Fig. 4	1	1
Fig. 5	2	2
Alarm Ckt, SD-98053-01, Fig. 3	1	1
Flash and Wink Ckt, SD-98054-01, Fig. 3 With ZJ Option	1	1
Miscellaneous Ckt, SD-98055-01, Fig. 4, Less Q Option	1	1

List 2—Assembly, wiring, and equipment for one position unit arranged for left-panel mounting and for concentrator operation with or without direct line operation.

	WIRE	EQUIP
Position and Cord Ckt, SD-98056-01:		
Fig. 4	1	1
Fig. 5	2	2
Alarm Ckt, SD-98053-01, Fig. 3	1	1
Flash and Wink Ckt, SD-98054-01, Fig. 3 With ZJ Option	1	1
Miscellaneous Ckt, SD-98055-01, Fig. 4 Less Q Option	1	1
Receiver Ckt, SD-98063-01, Fig. 2	1	1
Incoming Trunk Ckt, SD-98060-01, Fig. 6	1	1

J99257C—AT&TCo Std—Cord Unit Face Equipment

Equipment and Unit Cabling—J99257C-()

List 1—Equipment and unit cable assembly of face equipment for mounting 2-cord reel assemblies per SD-98056-01, Fig. 7.

List 2—Assembly, wiring, and equipment required in addition to list 1 for left-cord reel assembly per SD-98056-01, Fig. 3.

List 3—Assembly, wiring, and equipment required in addition to list 1 for right-cord reel assembly per SD-98056-01, Fig. 3.

J99257D—AT&TCo Std—Line, Key, and Lamp Unit

Equipment and Unit Cabling—J99257D-()

List 1—Assembly, wiring, and equipment for ten line keys and lamps arranged for left-panel installation only per SD-98050-01, Fig. 2, A, B, and G options; SD-98074-01, Fig. 2; or SD-98075-01 Fig. 2; universally wired.

List 2—Assembly, wiring, and equipment for ten line keys and lamps arranged for right-panel installation only per SD-98050-01, Fig. 2, A, B, and G options; SD-98074-01, Fig. 2; or SD-98075-01, Fig. 2; universally wired.

J99257E—AT&TCo Std—Line and Trunk, Jack, and Lamp Unit

Equipment and Unit Cabling—J99257E-()

List 1—Assembly, wiring, and equipment for 20 line and trunk jacks and lamps arranged for left-panel installation only in accordance with SD-98050-01, Fig. 3 with A option; SD-98065-01, Fig. 3 with S option; SD-98051-01, Fig. 4 with Q option; SD-98060-01, Fig. 8 with W option; and SD-98074-01, Fig. 3 or 7; universally wired.

List 2—Assembly, wiring, and equipment for 20 line and trunk jacks and lamps arranged for right-panel installation only per SD-98050-01, Fig. 3 with A option; SD-98065-01, Fig. 3 with S option; SD-98051-01, Fig. 4 with Q option; SD-98060-01, Fig. 8 with W option; and SD-98074-01, Fig. 3 or 7; universally wired.

J99257F—AT&TCo Std—Central Office and Incoming Trunk or High Voltage Control Key and Lamp Face Equipment

Equipment and Unit Cabling—J99257F-()

List 1—Assembly, wiring, and equipment for 10 incoming and one- or 2-way central office trunk keys and lamps or 10 high voltage control keys and lamps arranged for left panel installation per SD-98051-01, Fig. 3, Q and W options; SD-98060-01, Fig. 2, W option; SD-98053-01, Fig. 26; and SD-98050-01, Fig. 2, Z and G options; universally wired.

List 2—Assembly, wiring, and equipment for 10 incoming and one- or 2-way central office trunk keys and lamps or 10 high voltage control keys and lamps arranged for right-panel installation per SD-98051-01, Fig. 3, Q and W options; SD-98060-01, Fig. 2, W option; SD-98053-01, Fig. 26; and SD-98050-01, Fig. 2, A and G options; universally wired.

J99257G—AT&TCo Std—Paging Line, Key, and Lamp Unit

Equipment and Unit Cabling—J99257G-()

List 1—Assembly, wiring, and equipment for 10 paging lines, all call, tone, and release

keys arranged for left-panel installation only per SD-98055-01, Fig. 2 and 3 with N and W options; universally wired.

List 2—Assembly, wiring, and equipment for 10 paging lines, all call, tone, and release keys arranged for right-panel installation only per SD-98055-01, Fig. 2 and 3 with N and W options; universally wired.

Note

A. All call, tone, or release keys may be equipped in the first, second, and third or eighth, ninth, and tenth key positions as required.

J99257H—AT&TCo Std—Equipment Status, Key, and Lamp Unit

Equipment and Unit Cabling—J99257H(-)

List 1—Assembly, wiring, and equipment for 10 equipment status key and lamp circuits arranged for left-panel installation only per SD-98055-01, Fig. 1 with Y and T options.

List 2—Assembly, wiring, and equipment for 10 equipment status key and lamp circuits arranged for right-panel installation only per SD-98055-01, Fig. 1 with Y and T options.

J99257J—AT&TCo Std—Line, Key, and Lamp Unit

Equipment and Unit Cabling—J99257J(-)

List 1—Assembly, wiring, and equipment for 10 line keys and lamps arranged for left-panel installation only per SD-98065-01, Fig. 4 with W and S options and SD-98074-01, Fig. 4; universally wired.

List 2—Assembly, wiring, and equipment for 10 police station line keys and lamps arranged for right-panel installation only per SD-98065-01, Fig. 4 with W and S options and SD-98074-01, Fig. 4; universally wired.

J99257K—AT&TCo Std—Call Recorder Test Key Face Equipment

Equipment and Unit Cabling—J99257K(-)

List 1—Assembly, wiring, and equipment for one call recorder test key unit (arranged for left-panel installation) required when

headquarters is equipped with a teletypewriter or a printer in accordance with SD-98070-01, Fig. 3 (three circuits), SD-98077-01, Fig. 5 (one circuit), or SD-98145-01, Fig. 5 (one circuit), and SD-98076-01, Fig. 3 (six circuits), or SD-98069-01, Fig. 3 (six circuits), or SD-98068-01, Fig. 2 (six circuits).

List 2—Assembly, wiring, and equipment for one call recorder test key unit (arranged for right-panel installation) required when headquarters is equipped with a teletypewriter or a printer in accordance with SD-98070-01, Fig. 3 (three circuits), SD-98077-01, Fig. 5 (one circuit), or SD-98145-01, Fig. 5 (one circuit) and SD-98076-01, Fig. 3 (six circuits), or SD-98069-01, Fig. 3 (six circuits), or SD-98068-01, Fig. 2 (six circuits).

Notes

A. When call recorder test key unit is required for concentrator system, keys in positions 1 through 4 are spares and are wired the same as TST-L and TST-R keys per SD-98068-01, Fig. 2.

B. When call recorder test key unit is required for direct line system, keys in positions 1 through 5 are spares and are wired the same as TST key in position 6 per SD-98069-01, Fig. 3.

C. When call recorder test key unit is required for industrial system, keys in positions 1 through 5 are spares and are wired the same as TST key in position 6 per SD-98076-01, Fig. 3.

J99257L—AT&TCo Std—Number Display Unit

Equipment and Unit Cabling—J99257L(-)

List 3—Assembly, wiring, and equipment for one number display unit arranged for left-panel installation per SD-98128-01, Fig. 2 and 4.

List 4—Assembly, wiring, and equipment for one number display unit arranged for right-panel installation per SD-98128-01, Fig. 2 and 4.

J99257M—AT&TCo Std—Guard Tour Unit Face Equipment

Equipment and Unit Cabling—J99257M(-)

List 1—Assembly, wiring, and equipment for 10 guard tour control lamp circuits arranged for left-panel installation per SD-5E054-01, Fig. 6.

List 2—Assembly, wiring, and equipment for 10 guard tour control lamp circuits arranged for right-panel installation per SD-5E054-01, Fig. 6.

J99257N—AT&TCo Std—Line Out and Trunk Lamp and Trunk Jack Face Equipment

Equipment and Unit Cabling—J99257N-()

List 1—Assembly, wiring, and equipment for 20 trunk jacks and lamps and 20 line out lamps arranged for left installation only per SD-98074-01, Fig. 9.

List 2—Assembly, wiring, and equipment for 20 trunk jacks and lamps and 20 line out lamps arranged for right installation only per SD-98074-01, Fig. 9.

J99257P—AT&TCo Std—Line Out and Trunk Lamp Face Equipment

Equipment and Unit Cabling—J99257P-()

List 1—Assembly, wiring, and equipment for 20 line out and trunk lamps arranged for

left-panel installation only per SD-98074-01, Fig. 11.

List 2—Assembly, wiring, and equipment for 20 line out and trunk lamps arranged for right-panel installation only per SD-98074-01, Fig. 11.

4. GENERAL NOTES

Wiring

4.01 No. 24 gauge type BW wire shall be used for all loose wire cables in the switchboard.

List of A&M Only and Mfr Disc. Equipment

EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J99257L,L1 &L2	Mfr Disc.	2	J99257L,L3 L4

The above equipment has been replaced as indicated. Where A&M Only items appear, the issue numbers shown are those of the issue in which the rating was first applied.

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