

American Telephone and Telegraph Company
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BELL SYSTEM PRACTICES
Teletypewriter Station
Installation and
Maintenance

ADDENDUM P65.902.1
Issue B, October, 1957
Long Lines Department
Dist. Class. 400AC-600AC

64 SELECTOR SYSTEM

PUSH BUTTON CALLING CIRCUIT

DRAWINGS AND B.S.P. REFERENCES

1. GENERAL

1.01 This Addendum supplements Section P65.902.1 and lists additional practices and drawings covering the Push Button Calling Circuit for use with 64C Selector Systems. Supersedes Issue A.

2. SCHEMATIC DRAWINGS

<u>Drawings</u>	<u>Subject</u>
WA11447-SD WA11449	Push Button Calling Circuit. Manual Tape Relay System Modified for Use With Push Button Calling Circuit.
WA11450-SD	Manual Tape Relay System Modified for Use With Push Button Calling Circuit.

3. WIRING DRAWINGS

<u>Drawing</u>	<u>Subject</u>
WA11447-T WA11450-T	Push Button Calling Circuit. Manual Tape Relay System Modified for Use With Push Button Calling Circuit.
WA11710	Key and Lamp Cabinet for Use With Single Channel Installations of Push Button Calling Circuit.

4. ASSEMBLY DRAWINGS

<u>Drawing</u>	<u>Subject</u>
WA11447-ED WA11450-ED	Push Button Calling Circuit. Manual Tape Relay System Modified for Use With Push Button Calling Circuit.
WA11710	Key and Lamp Cabinet for Use With Single Channel Installations of Push Button Calling Circuit.

5. MISCELLANEOUS BSP SECTIONS

<u>BSP Section</u>	<u>Required For</u>
A460.055 B468.002 P65.902.3	Test of 276 Type Relays. Maintenance of 209B Selector. Detailed Description and General Information on Push Button Call- ing Circuit.

6. ORDERING INFORMATION FOR DRAWINGS AND BSP SECTIONS

Sections A460.055 and B468.002 are obtainable from the Western Electric Company. Section P65.902.3 and all drawings are obtainable from the Long Lines Department.

American Telephone and Telegraph Company

SECTION P65.902.1
Issue B, 3 - 1-52
Dist.Class. 400AC-600AC

64C1 SELECTOR SYSTEM
DRAWINGS AND BSP REFERENCES

1. GENERAL

1.00 This sub-section supersedes issue A of Attachment 1 to P65.902, and lists practices and drawings covering the commonly used 64-C-1 Selector System arrangements.

1.01 It is issued to include practices and drawings covering Plans 13 and 14, as well as sections covering typical arrangements.

2. SCHEMATIC DRAWINGS

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
	P90.953	Schematic - Applique Circuit to permit remote control of buzzer and power bell. To be used in conjunction with P90.982.
	P90.973	Schematic - Applique Circuit to permit connection and disconnection of TTY. Disables associated calling arrangement per P90.980 when TTY is disconnected. To be used in conjunction with P90.982.

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
	P90.975	Schematic - Applique Circuit per Appendix 5, P65.902 - Plans 9 and 10.
	P90.978	Schematic - Applique Circuit per Appendix 4, P65.902 - Plans 7, 8, 11 and 12.
	P90.980	Schematic - Calling Circuit per P65.902 - Plan 1.
	P90.982	Schematic - Receiving Circuit per P65.902.
	P90.984	Schematic - Applique Circuit per Appendix 2, P65.902 - Plan 5.
	P90.990	Schematic - Applique Circuit per Appendix 1, P65.902 - Plans 2 and 3.
	P90.994	Schematic - Test Set per P65.902.
	P90.996	Typical Layout - Calling and Receiving Station.
	P91.909	Applique to permit control of power for two TTY's and two buzzers.
	P91.920	Applique to permit control of power for one TTY and one buzzer.

DrawingBSP SectionSubject

P91.921	Plan 1 - Typical arrangement - 110V A.C. or D.C. - 15 or 19 TTY.
P91.922	Plan 2 - Typical arrangement with 19 TTY.
P91.923	Plan 3 - Typical arrangement with 15 or 19 TTY.
P91.924	Plan 4 - Typical arrangement with 14, 15, 19 TTY or 102 Assembly.
P91.925	Plan 5 - Typical arrangement with 15 or 19 TTY.
P91.926	Plan 6 - Typical arrangement with 14, 15, 19 TTY.
P91.927	Plan 7 - Typical arrangement with 14 Regular and Spare TTY.
P91.933	Applique to permit control of transmitter by dialing Typical arrangement - 19 TTY with XRT-205 Table - Plan 13.
P91.939	Plan 1 - Typical arrangement 15 or 19 TTY with 128B2 Set.

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<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
	P91.948	Applique to control transmitter by dialing - 19 TTY with XRT 205 Table or 102 Assembly - Plan 13.
	P91.949	Applique to control power and provide busy signal - 15 or 19 TTY - Plan 14.
21146-SD-131	None	Schematic - Applique Circuit per Appendix 3, P65.902 - Plan 6.
	P90.999	Schematic - Applique Circuit to permit remote control of power of a 15 TTY on 15 N Table or a 19ASR TTY.
21181-SD-124	None	Schematic - Applique Circuit to permit connection and disconnection of TTY operated PA (C). To be used in conjunction with P90.982.
21182-131	None	Schematic - Circuit arrangement for No. 15 KSR-TTY, with 15A base on 15N table, operated Type A polariential PA (C) to be used when associated with applique circuit per 21181-SD-124.

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
21183-131	None	Schematic - Circuit arrangement for No. 19 ASR-TTY, with 15A base, operated Type A polarential PA (C) to be used when associated with applique circuit per 21181-SD-124.
21191-131	None	Schematic - Circuit arrangement for No. 15 KSR-TTY, with 15C Base on 15N table, operated Type A polarential PA (C) to be used when associated with applique circuit per 21181-SD-124.
21192-131	None	Schematic - Circuit arrangement for No. 19 ASR-TTY, with 15C base, operated Type A polarential PA (C) to be used when associated with applique circuit per 21181-SD-124.
21135-SD-131	None	Schematic - Applique Circuit to permit the control of equipment over line facilities. For central office use with receiving unit per P90.982 in central office. Arranged for +130 V. and -130 V. operation.

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<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
21169-SD-131	None	Schematic - Applique Circuit to permit the control of equipment over line facilities. For central office use with receiving unit per P90.982 in central office. Arranged for +130 V. operation.
21136-SD-131	None	Schematic - Applique Circuit at customer's office to control gong and buzzer calling systems. Used in conjunction with applique circuit per 21135-SD-131 or 21169-SD-131 at central office.
21137-SD-131	None	Schematic - Applique Circuit at customer's office to permit operation of gong and buzzer. For use with receiving unit per P90.982 installed in customer's office.

3. WIRING DRAWINGS

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
	P90.936(Fig.1A)	Wiring - 102-A Table-Calling and receiving stations.
	P90.974	Wiring - Applique per P90.973.

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
	P90.979	Wiring - Applique Circuit per P90.978 Plans 7, 8, 11 and 12.
	P90.981	Wiring - Calling Cir- cuit per P90.980 - Plan 1.
	P90.983	Wiring - Receiving Circuit per P90.982.
	P90.991	Wiring - Applique Circuit per P90.990- Plans 2 and 3.
	P90.992	Wiring - Modifications and Connections, including Special Line-Test Key, 14, 15 and 19 Type TTY Sets - Receiving Stations.
	P90.993	Wiring - Modifications and Connections, 14, 15 and 19 Type TTY Sets - Calling Stations.
	P90.995	Wiring - Test Set per P90.994.
	P90.998	Wiring - Modifications and Connections, without Line Test Key Feature, 14, 15, and 19 Type TTY Sets - Receiving Stations.
	P91.910	Wiring - Applique to permit control of power for two TTY's and two buzzers.

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
	P91.948.1	Wiring - Applique to control transmitter by dialing - 19 TTY with XRT 205 Table or 102 Assembly - Plan 13.
	P91.949.1	Wiring - Applique to control power and provide busy signal - 15 or 19 TTY - Plan 14.
21146-T-	None	Wiring - Applique Circuit per Appendix 3, P65.902 - Plan 6.
21181-T	None	Wiring - Applique Circuit per Drawing 21181-SD-124.
21135-T-131	None	Wiring - Applique Circuit per Drawing 21135-SD-131.
21169-T-131	None	Wiring - Applique Circuit per Drawing 21169-SD-131.
21136-T-134	None	Wiring - Applique Circuit per Drawing 21136-SD-131.

4. ASSEMBLY DRAWINGS

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
	P90.941	Equipment Arrangements - 102-A Table - Calling and Receiving Stations
	P90.976	Apparatus Cabinet Equipment Mounting Arrangement - Applique Circuit

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
		per P90.978 - Plans 7, 8, 11 and 12.
P90.977		Equipment Arrangement- 14-B Table - Call- ing and Receiving Stations.
P90.985		Equipment Mounting Details for Various TTY Tables
P90.988		Equipment Arrangement - 15-N Table - Call- ing and Receiving Stations
P90.989		Equipment Arrangement- 19-A Table - Call- ing and Receiving Stations
P90.997		Arrangement for Mount- ing 61-A Filter in 5LA Dial
P91.935		Arrangement for Mount- ing two plans 1 and two plans 4 or 5 Cabinet ED-91180-70
P91.937		Plans 1 and 4 or 5 with 128B2 Station Set mounted in Cabinet ED-91180-70
P91.938		Plans 1 and 4 or 5 with 128B2 Station Set mounted on stand ED-91296-01 15 or 19 TTY

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
20604-ED-124	None	Apparatus Cabinet Equipment Mounting Arrangement - Calling Circuit per P90.980 - Plan 1.
20532-ED-119	None	Apparatus Cabinet Equipment Mounting Arrangement - Receiving Circuit per P90.982.
20824-ED-131	None	Apparatus Cabinet Equipment Mount- ing Arrangement - Applique Circuit per P90.990 - Plans 2 and 3.
20882-ED-105	None	Equipment Design and Assembly - Test Set per P90.994.
21140-ED-131	None	Apparatus cabinet equipment mounting arrangement - Applique Circuit per P90.973.
21181-ED-	None	Apparatus cabinet equipment mounting arrangement - Applique Circuit per Drawing 21181- SD-124.
21136-ED-124	None	Apparatus cabinet equipment mounting arrangement - Applique Circuit per Drawing 21136- SD-131.

<u>Drawing</u>	<u>BSP Section</u>	<u>Subject</u>
22750-ED-129	None	Equipment mounting arrangement - Applique per 22750-SD (P91.949) - Plan 14.
23069-ED-107	None	Equipment mounting arrangement - Applique per 23069-SD(P91.948) - Plan 13.
23173-134	None	Mounting of control keep for Applique per 23069-SD (P91.948) - XRT 205 Table - Plan 13.

5. MISCELLANEOUS BSP SECTIONS

<u>BSP Section</u>	<u>Required For</u>
AA286.901	Material Lists and References to BSP Sections and Drawings.
*B432.018	Maintenance of 2ACE, 2HY and 2TT Key Units.
*B432.052	Maintenance of 547 Type Keys.
*B438.006	Maintenance of 7 Type Buzzers.
B460.023	Maintenance of 206, 227, 231 and 239 Types of Relays.
B460.059	Maintenance of 280 Type Relays.
*B461.010	Maintenance of Y Type Relays.
*B461.011	Maintenance of U Type Relays.
*C34.175	Maintenance of 5LA Dial (Except Dial Speed. See P65.902 for Dial Speed).

<u>BSP Section</u>	<u>Required For</u>
E12.732	Testroom Operating Instructions and General Description of System.
E12.732 Appendices	Testroom Operating Instructions and Description of "Plans" covering the Various Combinations of Service Features and Maintenance Procedures.
* P65.901	Description and Maintenance of 60 Type Selector.
P65.902	Detailed Description and General Information on Installation and Maintenance of System.
P65.902 Appendices	Detailed Description and General Information on Installation and Maintenance of Applique Circuits.
P65.903	Maintenance of Automatic Electric Company Dial.

* Indicates Section has L.L. Addendum.

6. ORDERING INFORMATION FOR DRAWINGS AND BSP SECTIONS

Sections C34.175, B432.018, B460.023, B460.059, B461.010 and B461.011 are obtainable from the Western Electric Company. All other drawings and BSP Sections (including L.L. Addenda as indicated by an *) listed in this Attachment are obtainable from the Long Lines Department.