

SHEET INDEX

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CIRCUIT NOTES:

AMPS	POTENTIAL FUSED	ONE PER
1 1/3	48V. SIG.	FIG. 1
1 1/3	CROSSBAR OFFICE	
	PANEL OFFICE	
	STEP-BY-STEP OFFICE	

102.

FEATURE OR OPTION	PROVIDE
DIAL TESTING CRT.	FIGS. OR QUANTITY
WHEN EQPT IS LOCATED IN (SEE NOTE 108)	1 W 1 PER CRT.
WHEN EQPT IS LOCATED IN (SEE NOTE 108)	2 N
WHEN EQPT IS LOCATED IN (SEE NOTE 108)	Q

CHANGED ON ISS.	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN.	SEE NOTE	USE IN CIRCUIT
3B	W OR X	X	102	W, X
3B	V	Z OR Y	102	Z, V
4-D	T OR U	U		T
5-D	R OR S	S		R
6B	Q, N OR W	N OR W	105	N, Q
7B	K	R	107	K

NO.	CODE	RESISTANCE IN OHMS	CAPACITANCE IN M.F.
1	185A	470	0.11
2	185A	120	0.3

105. PRIOR TO ISSUE 6B, Q OPTION WAS NOT SHOWN. N OPTION WAS NOT DESIGNATED AND WAS PART OF W OPTION.
106. A FUSE IS NOT REQUIRED IN THE LT2 TONE LEAD IN THOSE OFFICES WHERE TONE IS SUPERIMPOSED ON GROUND.
107. WHEN MODIFYING EXISTING JOBS FOR UNIGAUGE RANGE EXTENSION, PROVIDE K OPTION.
108. WHEN CONNECTING TO PRECISE TONE IN OTHER THAN ESS OFFICE, CONN. TO LEAD TT1 IN CROSSBAR, PANEL OR MANUAL OFFICE OR TO LEAD TT2 IN STEP-BY-STEP OFFICE.

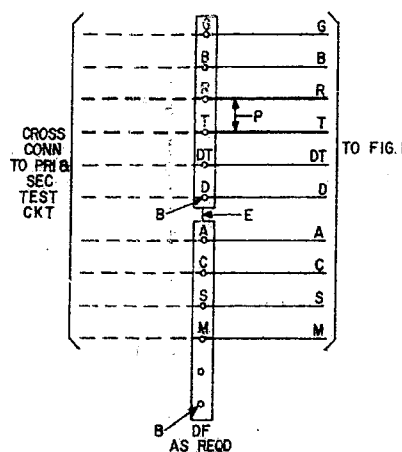
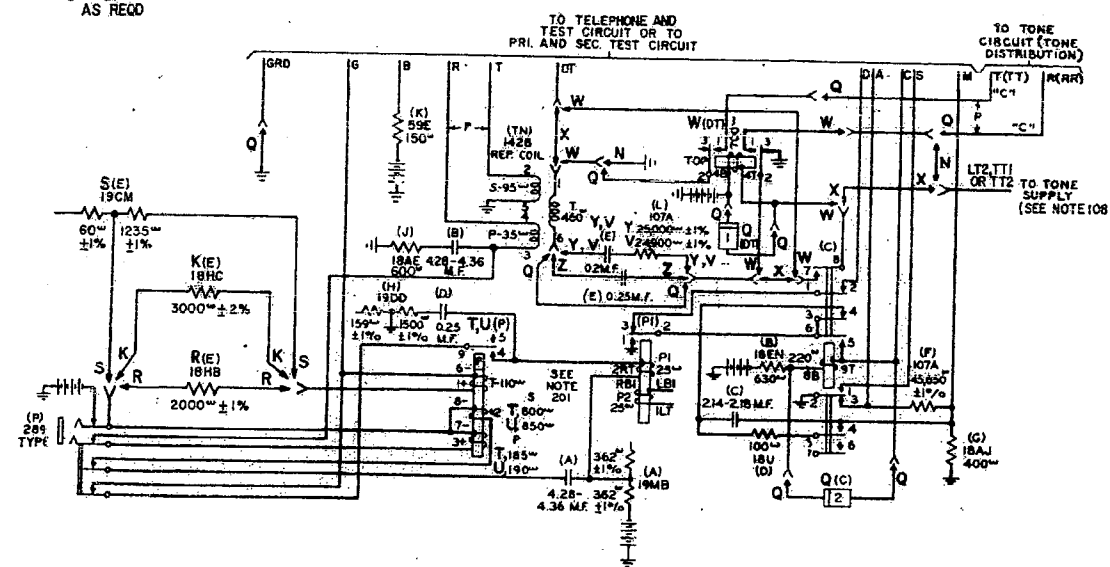
EQUIPMENT NOTES:

201. MOUNT 239 TYPE RELAYS ON 3 1/2" VERTICAL AND HORIZONTAL CENTERS WITH RESPECT TO ALL INDUCTIVE APPARATUS EXCEPT OTHER 239 TYPE RELAYS. NO RESTRICTIONS ARE REQUIRED FOR MOUNTING 239 TYPE RELAYS ADJACENT TO CONDENSERS, NON-INDUCTIVE APPARATUS, OR OTHER 239 TYPE RELAYS.

202. WHEN THIS CIRCUIT IS USED IN NO. 1 ESS OFFICES, SUFFICIENT SPACE SHOULD BE LEFT ABOVE OR BELOW THE UNIT SO THAT THE CABLE CAN BE PASSED THROUGH TO THE WIRING SIDE AND CONNECTED DIRECTLY.

10-96335-01

CAD 1

FIG. 1
DIAL TESTING CIRCUIT

FIGS.	APP OR WIRING
1	Z
	Y
	X
	W
	V
	U
	S
	R
	Q
	N
	K

WORKING LIMITS
FOR (P) AND (PI) RELAYS

DIAL SPEED	20"	10"
MAX. EXT. CKT. LOOP RES.	4200"	4200"
MIN. INS. RES.	15000"	15000"
ALLOWABLE RATED BRIDGED CAPACITY AT SUB SETS	NONE	3 MF
BATTERY LIMITS	45-56	45-56

"S" OPTION

MAX. EXT. CKT. LOOP RES.	2250"
MIN. INS. RES.	15,000"
ALLOWABLE RATED BRIDGED CAPACITY AT SUB SETS	4 MF
BATTERY LIMITS	45-56V

"R" OPTION

DIAL SPEED	20	11	11
MAX. EXT. CKT. LOOP RES.	3000"	3000"	3000"
MIN. INS. RES.	15,000"	15,000"	15,000"
ALLOWABLE RATED BRIDGED CAPACITY AT SUB SETS	NONE	3 MF	4 MF
BATTERY LIMITS	45-56	45-56	45-56

SUPPORTING INFORMATION

CATEGORY	NO.
EQUIPMENT DRAWINGS	ED-92867-18 ED-92956-01 ED-91787-01 ED-91456-01
KEYSHEET DRAWING LOC. 1ST DESK NO. 14 LOC. 1ST CAB. NO. 3	SD-90472-01 SD-96272-01

DWG 135	CD 135	DWG 135	CD 135	DWG 135	
1	1	20	APP ID	38	2
40	28 APP ID	50	28 APP 20	68	2 A 3
DWG ISSUE	EE OR CD ISSUE	DATE ISSUED	OWN	A	
7B	28 APP 48	9-25-67	STUE WE J		
8B	28 APP 58	7-12-72	EC R SAK L CEG		

SD-96335-01

INIO

COMMON SYSTEMS

DIAL TESTING CIRCUIT
LOCAL TEST CABINET NO. 3
LOCAL TEST DESK NO. 14
OR
LOCAL TEST DESK NO. 16

AT&T
STANDARD

A&M ONLY FOR LTD NO. 14

SD-96335-01-1
2 SHEETSBELL TELEPHONE LABORATORIES
INCORPORATED

(DIAL TST)

6S

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DRAWING
ISSUE

CIRCUIT REQUIREMENTS

APPARATUS				MECH REQ			CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQT								REMARKS																		
DESIG	CODE	OPT	FIG.	BSP FIG.	CONT PRESS.	ARM. TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK MA.	TEST MA.	READJ MA.																					
								CONN BAT.	CONN GRD																												
RELAYS																																					
Fig. 1																																					
C	U6074		1	151/145	H	47			T(C)	GRD			0		33.5	31.5			1-2T(C) AND 3-4T(C) MUST BREAK BEFORE 5-6T(C) MAKE																		
									T(C)	GRD			NO		22	23.5																					
DT	U735	W	1	132/132	H	47			T(DT)	GRD			0		12.5	16.5																					
P	239HE	T	1	A				B(P)	3(P)	B/G	2	P	0	-33	1.6	0.8																					
								B(P)	3(P)	B/G	2	P	NO	-33	0.6	0.6																					
								B(P)	2(P)	B/G	2	S	0		1.2																						
								6(P)	1(P)	B/G	2	T	0		4.4																						
P	280H	U	1	A				B(P)	3(P)	B/G	2	P	0	-33	1.6	0.8																					
								B(P)	3(P)	B/G	2	P	NO	-33	0.6	0.6																					
								B(P)	2(P)	B/G	2	S	0		1.2																						
								6(P)	1(P)	B/G	2	T	0		4.4																						
P1	:5519		1						2RT(P1)	GRD	2	P1	0	200	60	57			CONNECT DIRECT BAT. TO RBT(P1)																		
									2RT(P1)	GRD	2	P1	NO	200	48	51																					

TEST NOTES:

- 1.
2. INSERT A 310 PLUG IN (P) JACK.

DIAL TESTING CIRCUIT

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SD-96335-01-2

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