

SHEET INDEX

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CIRCUIT NOTES: (CONT)

104. VISUAL HOLD ON THE ASSOCIATED 400 TYPE LINE CIRCUIT MAY BE EITHER LAMP WINK (Y OPTION) OR LAMP STEADY (X OPTION). HOLD INDICATION AT THE PASSIVE STATION PROVIDED BY THE 477A KTU IS LAMP WINK.

EQUIPMENT NOTES:

- 201. 477A KTU INSTALLS IN ANY KSU OR PANEL SLOT WIRED FOR 400 TYPE LINE CIRCUITS.
- 202. INSTALLATION MUST USE 10VAC LAMP AND INTERRUPTER SUPPLY.
- 203. 477A KTU CONTAINS MERCURY RELAYS AND MUST BE MOUNTED VERTICALLY.

INFORMATION NOTES:

- 301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, K IS FOR KILOHMS, CAPACITANCE VALUES ARE IN MICROFARADS, VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.
- 302. PINS 7,8, AND 9 OF IC A1 CANNOT BE USED AS TIE POINTS.
- 303. PIN 3 (SUBSTRATE) OF IC A1 IS CONNECTED TO NEGATIVE SUPPLY.

CROSSCONNECTION INFORMATION NOTES:

- 401. A AND L LEADS OF 477A KTU MUST BE STRAPPED TO THE A AND L LEADS OF THE ASSOCIATED 400 TYPE LINE CIRCUIT AT THE CROSS CONNECT FIELD.

SUPPORTING INFORMATION

CATEGORY	NO.
CONNECTOR ON FRAME	906K

CIRCUIT NOTES:

- 101.
- 102.

FEATURE OR OPTION	PROVIDE		
	FIG.	APP OR WRG	QUANTITY

- 103.

RECORD OF APP. FIGURES, WIRING AND APPARATUS CHANGES							
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT			
				STD	A&M	MD	

WORKING LIMITS

FOR SIGNALING PAIR ONLY

- 5000 OHM LOOP RESISTANCE - (2500 OHMS PER CONDUCTOR)
- ±3VDC GROUND POTENTIAL
- A 38V AC LONGITUDINAL
- B VOLTAGE RANGE -20 TO -26V

NOTICE - NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT.

1K03
STATION SYSTEMS
KEY TELEPHONE SYSTEM NO. 1A2
OFF PREMISES LINE
CIRCUIT

AT&TCO
STANDARD

SD-69604-01-1
3 SHEETS

BELL TELEPHONE LABORATORIES
INCORPORATED

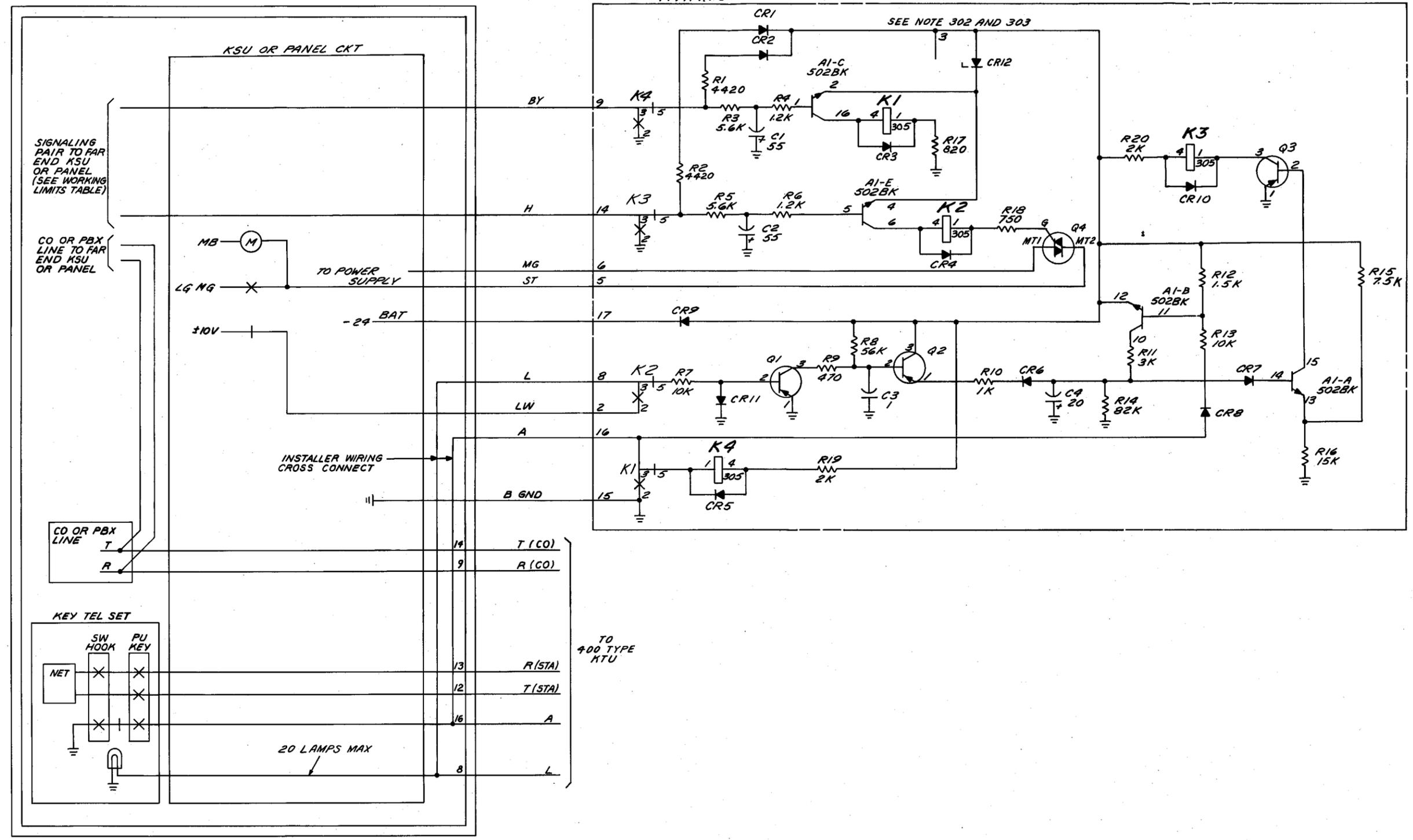
DWG SIZE
6S

PRINTED IN U.S.A.

HANDBOOK DWG

FS 1

477A KTU



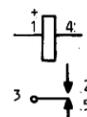
OFF PREMISES LINE		SD-69604-01-2
BELL TELEPHONE LABORATORIES INCORPORATED		
DWG. SIZE 6S		PRINTED IN U.S.A.

10-7481 (10-77)

APP FIG 1

447A KTU
E/W

RELAY
337A



K1	K2	K3	K4
2B5	2C6	2B7	2D4
2E4	2D4	2C4	2B4

CAPACITOR

DESIG	LOC	CODE
C1	2B5	KS-16390 L17,55
C2	2C5	KS-16390 L17,55
C3	2D5	600A
C4	2D7	KS-16390 L4,20

INTEGRATED CIRCUIT

ICDESIG	A1
CODE	502BK
ELEM	SH
IDENT	LOC
A	2D8
B	2C7
C	2A5
D	SPARE
E	2B5

DIODE

DESIG	LOC	CODE
CR1	2A5	456F
CR2	2A5	456F
CR3	2B5	456F
CR4	2C6	456F
CR5	2E4	456F
CR6	2D6	456F
CR7	2D8	456F
CR8	2D8	456F
CR9	2C4	456F
CR10	2B7	456F
CR11	2D4	456F
CR12	2A6	808E

RESISTOR

DESIG	LOC	CODE
R1	2A4	KS-20816 L1A,4420
R2	2B4	KS-20816 L1A,4420
R3	2B4	KS-13490 L1A,5.6K
R4	2B5	KS-13490 L1A,1.2K
R5	2B4	KS-13490 L1A,5.6K
R6	2B5	KS-13490 L1A,1.2K
R7	2D4	KS-13490 L1A,10K
R8	2C5	KS-13490 L1A,56K
R9	2D5	KS-13490 L1A,470
R10	2D6	KS-13490 L1A,1K
R11	2D7	KS-13490 L1A,3K
R12	2C8	KS-13490 L1A,1.5K
R13	2C8	KS-13490 L1A,10K
R14	2D7	KS-13490 L1A,82K
R15	2C8	KS-13490 L1A,7.5K
R16	2D8	KS-13490 L1A,15K
R17	2B6	KS-13490 L1A,820
R18	2C6	KS-13490 L1A,750
R19	2D5	KS-13490 L1A,2K
R20	2B7	KS-13490 L1A,2K

TRANSISTOR

DESIG	LOC	CODE
Q1	2D5	51A
Q2	2D6	51A
Q3	2B8	51A
Q4	2C7	94B

ISSUE

OFF PREMISES LINE	SD-69604-01-3
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