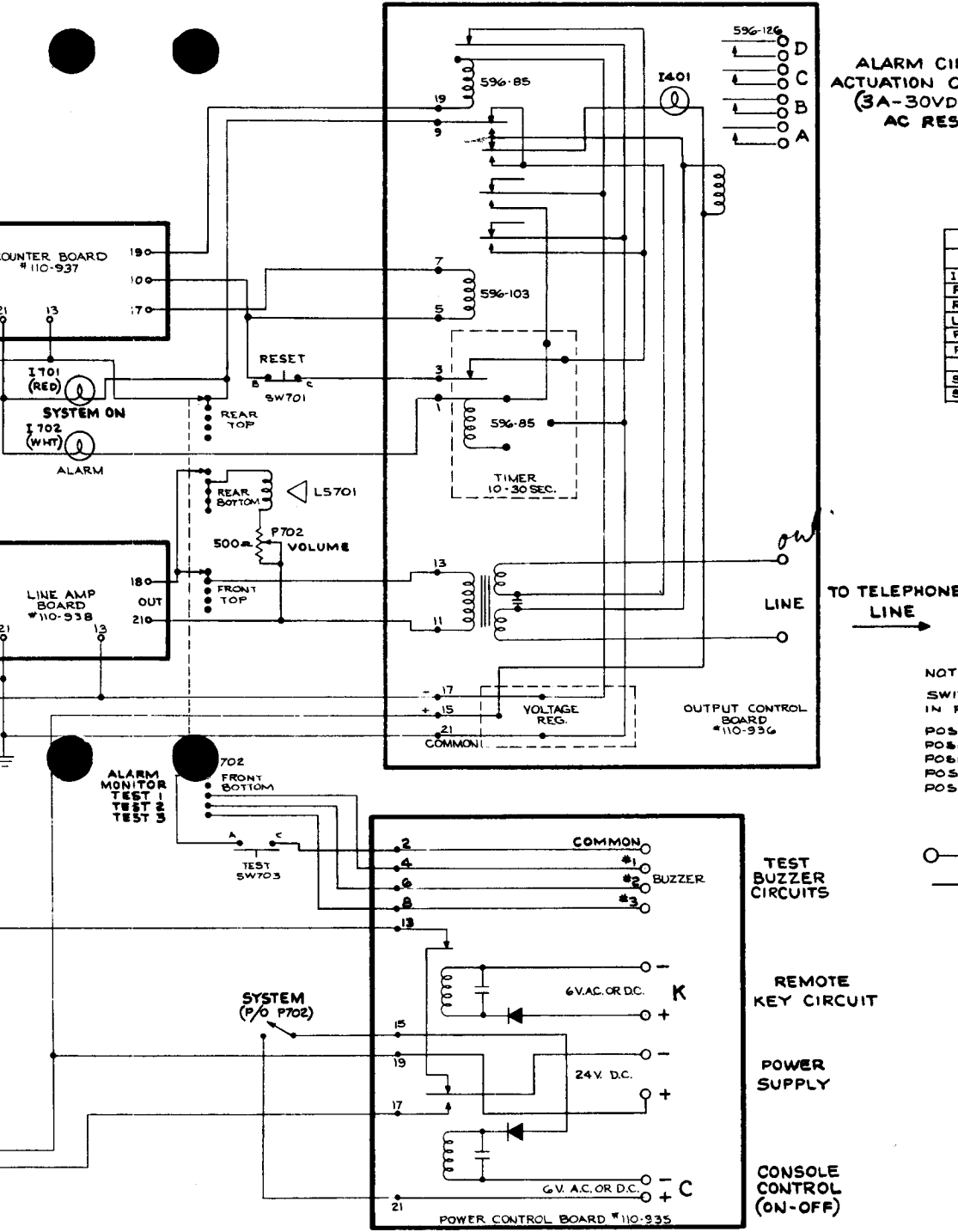


COMMUNICATIONS SYSTEMS SERVICE MANUAL



ALARM CIRCUIT ACTUATION CONTACTS (3A-30VDC OR AC RESISTIVE)

BILL OF MATERIAL			
LEG	DESCRIPTION	QTY	PART NO.
I701 & I702	LAMP 24V.	2	456-20
R1	RESISTOR 10,000 OHM 1/2W ±10%	1	600-0080-105
R2	RESISTOR 560 OHM 1/2W ±10%	1	600-0080-561
LS701	SPEAKER	1	645-43
P701	POT 10K	1	601-260
P702	POT 500Ω WITH SWITCH	1	601-259
SW701 & 3	PUSH SWITCH S.P.D.T.	2	705-21-10
SW702	SWITCH 4 POLE, 5 POS.	1	680-477

NOTE:
 SWITCH SW702 SHOWN IN POSITION 1.
 POSITION 1 - ALARM
 POSITION 2 - MONITOR
 POSITION 3 - TEST 1
 POSITION 4 - TEST 2
 POSITION 5 - TEST 3

○ — EXTERNAL CONNECTIONS

NOTE: UNITS SHOWN IN HEAVY OUTLINE COMPRISE BASIC 14A705

05	ADDED R1 & R2 CHANGED TO SHD WIRE	12-75-65	OK
04	REV. 110-935 ECT. CONNECTIONS TO WIRE WITH 600-475	10-18-67	OK
03	DEL. 115V. FROM THE ALARM CTT. ACT. CONT. WIRE	1-22-67	OK
02	ADDED SYSTEM ON - SYSTEM WAS POWER	2-2-67	OK
01	ADD FUNCTION NAME	11-28-66	OK

MATERIAL		FINISH		SCALE		DATE 5-21-66	
UNLESS OTHERWISE SPECIFIED DECIMAL DIMENSIONS TO BE ± .		FRACTIONAL DIMENSIONS TO BE ±		ANGLES TO BE ±		ISSUE	
<p>DuKane Corporation ESTABLISHED 1922 ST. CHARLES, ILLINOIS U.S.A.</p>		VANDAL ALARM PANEL 14A705 (FULL HOUSE)		DRAWN RS CHECKED JN APPR. [Signature] CONFR. [Signature]		NO. 190-1462	
NO. REQ'D.	USED ON						

TO ADJUST RELAY K401 ON 110-936 BOARD

1. With 20,000 Ω /V VOM, measure voltage across C402 (100 μ F, 25 V electrolytic). Voltage here should be 22.5 volts \pm 5%.
2. To measure regulated power supply under full load, connect a 100 Ω , 5-watt resistor across C402; voltage should be not less than 22 volts \pm 5%.
3. Connect a 10,000-ohm potentiometer in series with VOM set for 0-10 milliamperes. See diagram below. Connect VOM and potentiometer between terminals 19 and 21 of receptacle for circuit board. Set potentiometer for minimum resistance.
4. Relay K401 should operate and there should be no voltage measured between terminals 3 and 21 on receptacle for circuit board.
5. Raise resistance of potentiometer to point where relay is released - power supply voltage should be measured once more between terminals 3 and 17. Millammeter must indicate not less than 4 milliamperes.

NOTE: If it is necessary to mechanically adjust relay K401 so that it does release as coil current is reduced to 4 milliamperes, carefully change tension of rear spring for proper lift. Do not adjust to open too fast, or relay may not be able to pull down properly. Pull-in current should be not more than 10 milliamperes.

