

AUXILIARY RELAY PANEL PA17/511

The PA17/511 forms part of a telecine equipment^{1,2} and performs the following functions:

- (a) it accepts mains and 50-volt supplies from a PA17/510 Main Contactor Relay Panel, and distributes them to the drive motor and the three spool motors of the telecine machine (the feeds to two of the spool motors can be reversed)
- (b) it feeds inhibit and indication signals to the appropriate sections of the machine if film is not present in either the optical or the magnetic sections of the projector
- (c) it routes power to all the illuminated legends on the projector
- (d) it provides an *Unlock* circuit to protect the selsyn system from *runaway*

- (e) it contains an hour-meter which records machine running hours.

The circuit diagram is given in Fig. 1. The panel is described, in conjunction with other control circuits, in the Instruction on the parent equipment.

The panel consists of 14 P.O. type 3000 relays mounted on a PN1/9A chassis. It draws about 50 milliamps from the 50-volt supply when in a passive state and about 125 milliamps with all services on.

References

1. 16-mm. Vidicon Telecine EP6/501 (see Designs Dept. Technical Memorandum No. 7.133)
2. 16-mm. Colour Telecine Equipment EP6/505

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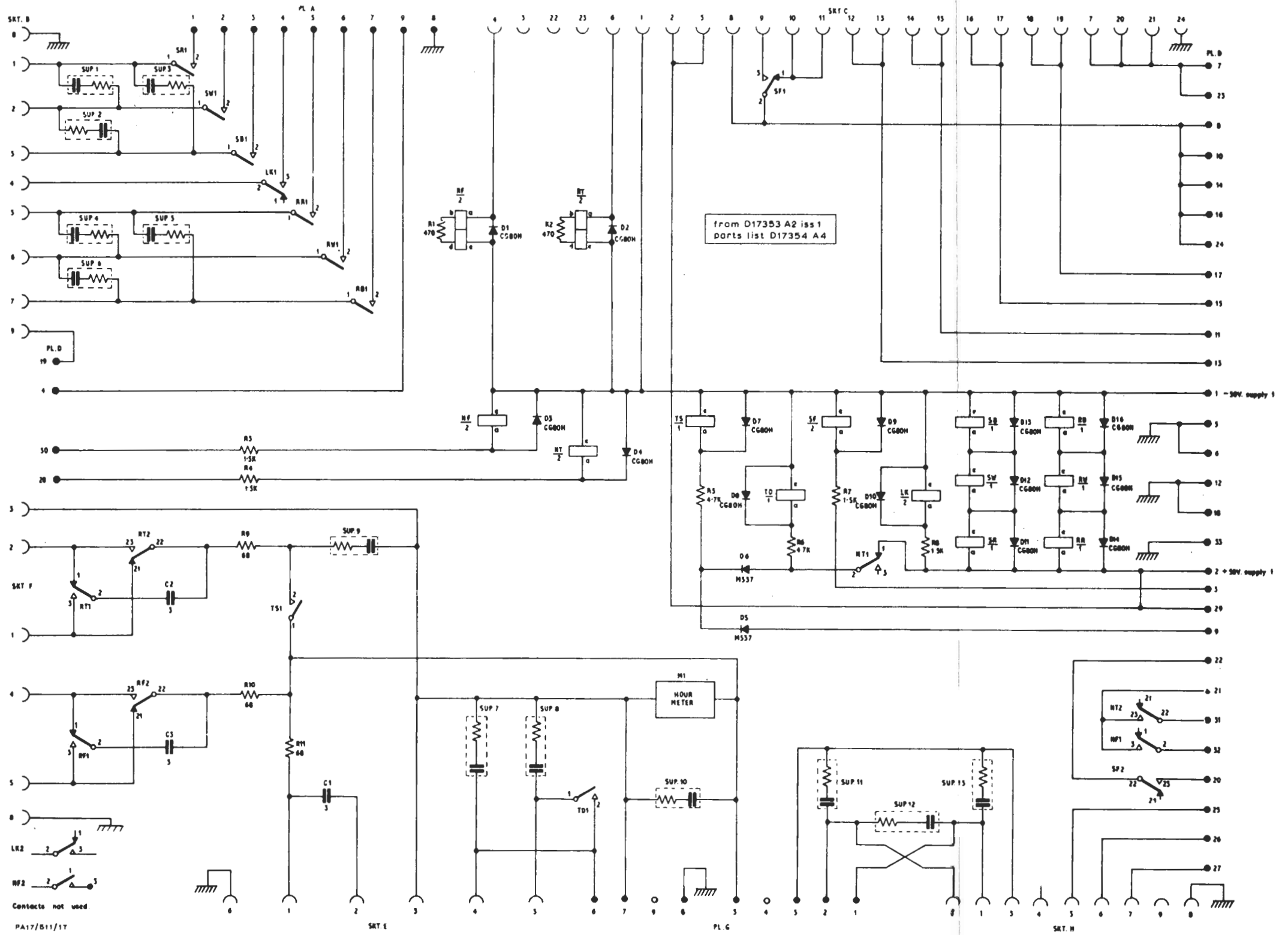


Fig.1. Circuit of the Auxiliary Relay Panel PA17/511