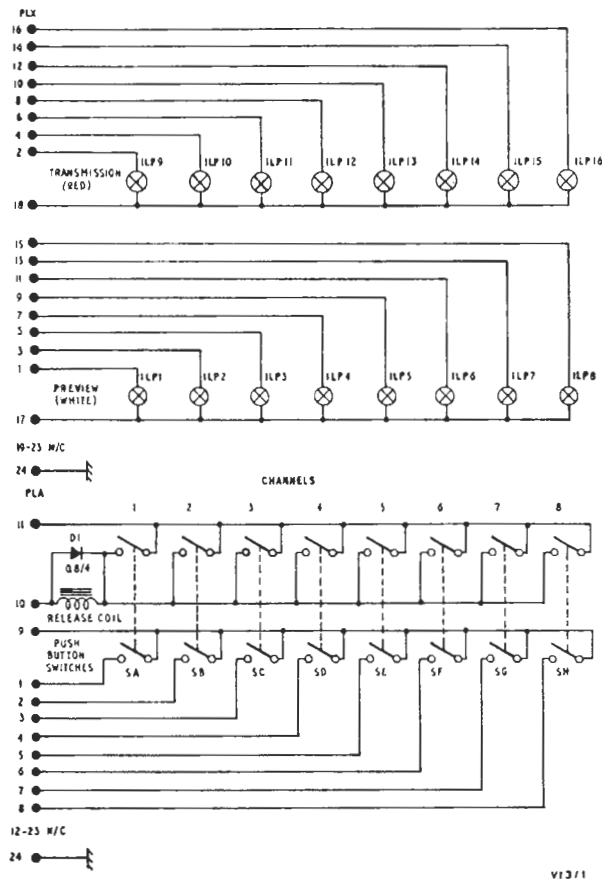


SECTION 4

MIXER CUT DESK PANEL PA8/504



Introduction

This desk panel, which carries 8 mechanically-interlocked pushbuttons incorporating both red and white indicator lamps, forms part of a studio production-control desk (see Studio Video Mixing Equipment EP5/502, Instruction V.15); it is used for cutting between any of eight video signals. Inputs to, and outputs from, the panel are d.c.; the outputs operate relays in an associated control panel (e.g. PA6/509).

Description

The circuit of the PA8/504 is given in Fig. 4.1. The buttons, in conjunction with the control panel, are used to select a video signal from one of 8 sources by switching Cut-fade Amplifiers AM1/508 (Instruction V.7) between the *On* (cut) and *Off* modes. Each button operates two sets of switch contacts; one of these energises an associated relay in the control panel and the other is connected in a release-coil circuit. The release coil enables the button-locking mechanism to be released electrically when the AM1/508 amplifiers are switched to the *Fade* mode.

The indicator lamps in each button cause that button to glow red when the channel has been selected for transmission (by pressing the button) and to glow white when the channel has been selected for preview.

Fig. 4.1 Circuit of the PA8/504

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