

SECTION 12

SOURCE/CHANNEL SELECTION DESK CONTROL PANEL PA8/512

Introduction

The PA8/512 controls the operation of an associated PA17/516 Source/Channel Selection and On-air Cue Relay Panel which is used in conjunction with video mixing equipment such as the EP5/502 described in Instruction V.15. The panel carries:

- 12 source-selection push-buttons
- 4 channel-selection push-buttons
- 1 *Clear* push-button

General Description

A circuit diagram is given in Fig. 12.1. To route a source to a channel the appropriate source selection button is pressed; this energises an integral solenoid which holds the button down. If a channel button is now pressed this button also remains energised until the required selection has been made. If the selection cannot be made

(because either the source or the channel selected is on transmission) the buttons will remain energised until either the *Clear* button is pressed, which cancels the selection, or until the On-air source or channel comes off transmission, after which the selection is completed.

A source may be selected by more than one channel but a channel can only accept one source at a time and so interlocks are provided on the source/channel selection relay panel. If two source buttons are depressed together, the source to the left of the row (the lower numbered source) is selected. When a selection has been made the source button is illuminated in the colour appropriate to the mixer channel to which it has been routed. These colours are red for channel 5, yellow for channel 6, green for channel 7 and blue for channel 8. The channel buttons are permanently illuminated in their respective colours.

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See overleaf for Fig. 12.1

Instruction V.13
 PA, Part 8, Section 12

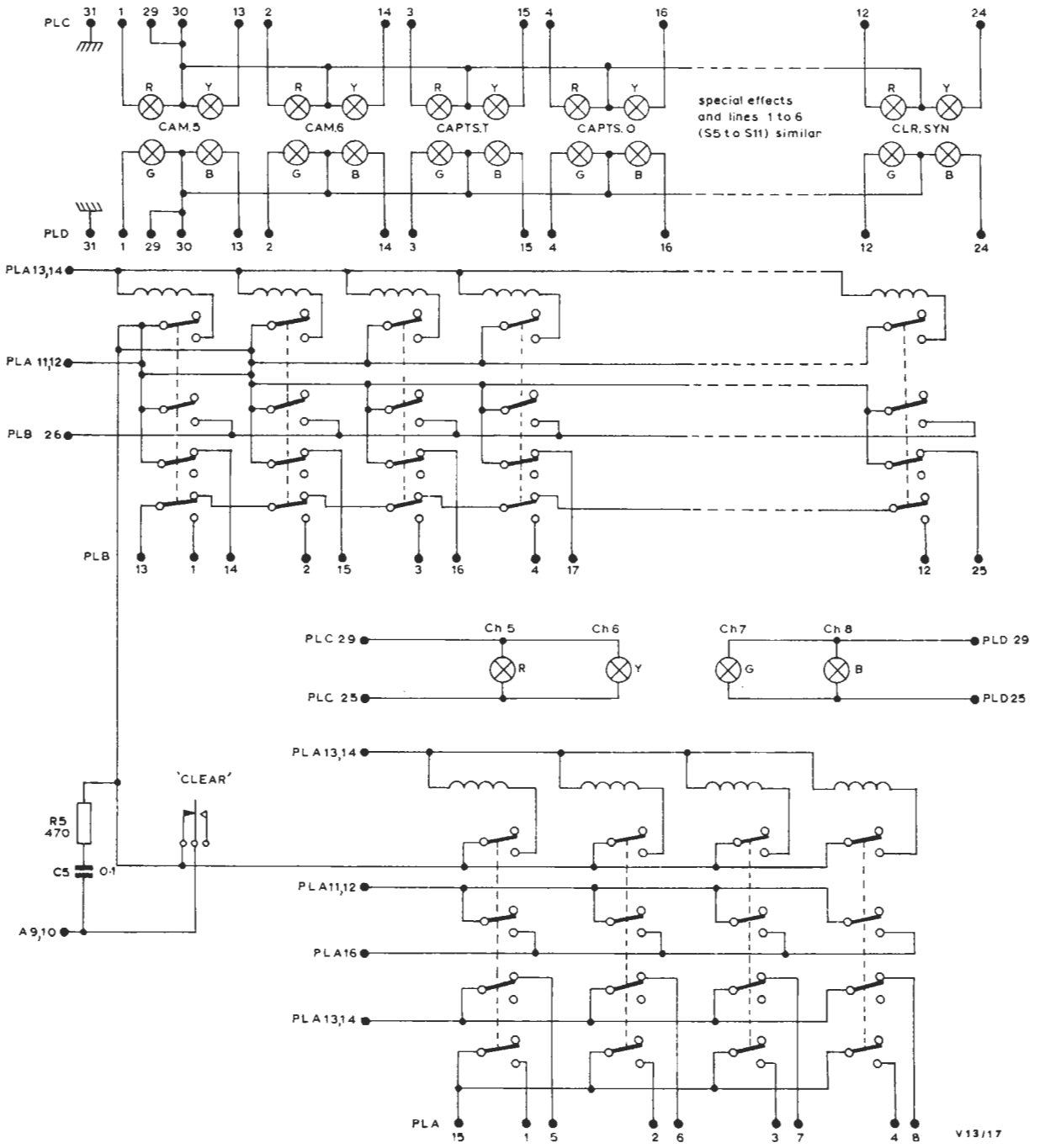


Fig. 12.1 Circuit of the PAB/512