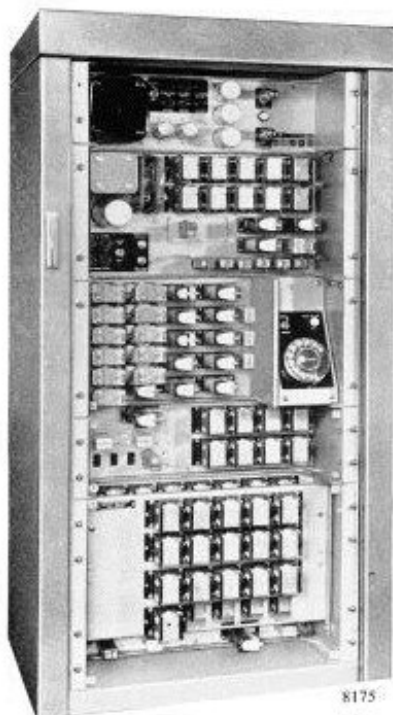




Automatic Programme Switching Equipment Type BD 890



Control bay of automatic programme switching equipment showing the unselector power supply, column selector, clock, decoder and character combining unit.

TO SIMPLIFY the operational control of sound and vision switching in master control, particularly during commercial breaks, a punched-tape system of great flexibility has been devised. This enables programme changes to be made automatically in accordance with a time schedule, or manually in the event of cued or unscheduled operations.

The system has been developed with a full knowledge of operational requirements and is capable of adaptation to suit any particular application. In the most complex form the equipment makes it possible to prepare programme schedules on a typewriter which cuts both stencil and perforated tape. The tape can be transmitted over ordinary teleprinter circuits to a remote switching centre, where the complete day's schedule can be automatically followed.

By means of cue dots in the corner of the picture, various operations can be performed by remote cues. The equipment consists of pairs of uniselectors operated on a 'preset operate' sequence by means of a punched tape carrying schedule and timing information. These are housed in standard

cabinet-racks. A separate clock is provided and perforating typewriters according to requirements.

Features

Capacity of 25 sound and vision inputs with 6 outputs.

Perforated tape carries complete programme schedule including coded time signals. The code may be expressed in hours, minutes and seconds to assist control operators.

Time information originates from 1-second pulses which drive chains of uniselectors to give a corresponding code to that on the tape.

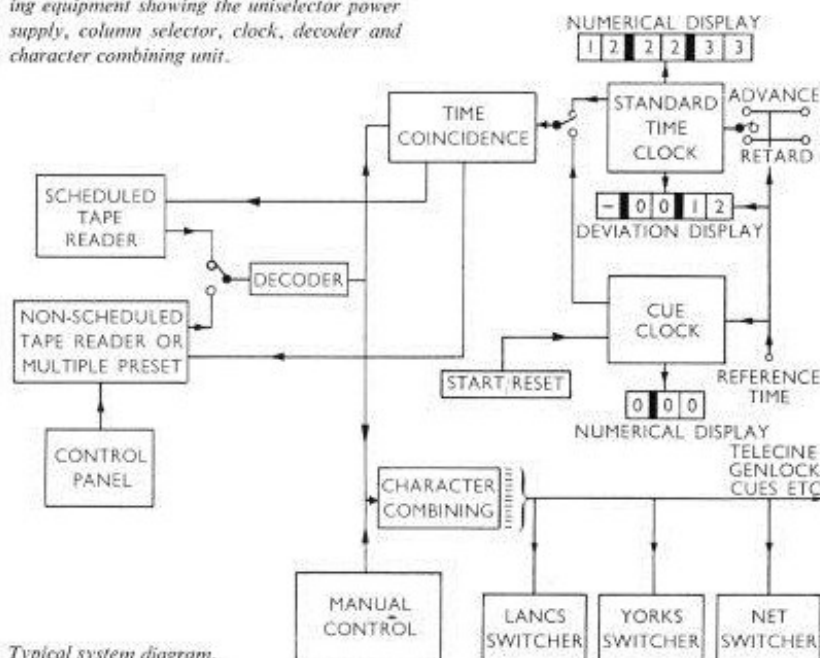
A separate clock controls the timing of short sequences such as a complete commercial break.

System can be extended to start telecine and tape machines, give 'warning' and 'on-air' cues to studios and announcers, to select the input to genlocks and similar operations.

Auxiliary circuits provide means of feeding local announcer, grams, tape and so on over the programme, and automatic faders with variable fade time.

Adaptable to suit any particular application.

Human errors in production eliminated by automatic operation, thereby ensuring smooth programme presentation.



Typical system diagram.

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