

PHILIPS

Automatic Programme Selector

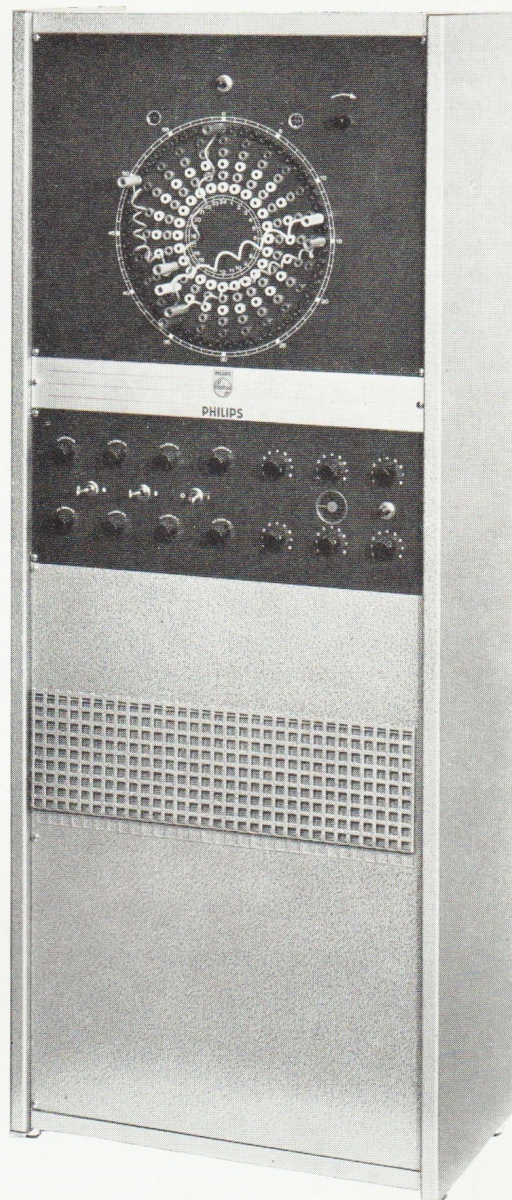
EL 4720

Why an automatic programme selector?

The introduction of various new projection systems has saddled the projectionist with many additional tasks. He must pay attention not only to the treatment of the films, but also to the correct adjustments necessary during the performance, which renders his work much more difficult. Moreover, in many countries there is a shortage of technically trained staff, so that the additional tasks cannot be compensated by an increase in the number of employees. Consequently, most projectionists are nowadays greatly overtaxed. This applies also to the smaller cinemas, in which formerly one projectionist only was quite sufficient.

Automation of an important part of the projectionist's work can eliminate these difficulties. Of course an automatic programme selector can never fully replace a projectionist, because quite a number of adjustments cannot be carried out correctly without human judgment. Furthermore much of the projectionist's work consists of the care and maintenance of the extensive and expensive equipment entrusted to him.

An automatic programme selector frees the projectionist of all the routine operations and gives him the time necessary to ensure a perfect course of the performance which, due to the competition of television and Hi-Fi music, requires more care than ever.



Cinema

**Automatic Programme Selector
EL 4720**

Catalogue sheet A-III-17-E



What is an automatic programme selector?

It will be obvious that an automatic programme selector can only operate in conjunction with programme sources such as projectors (e.g. Philips FP 20 S and FP 56 S), tape recorders, record players and slide projectors adapted to automation.

In the Philips automatic programme selector the timings of a day's various performances and their several component parts can readily be set in advance. Without further manipulations the selector will then handle all by itself the complete programme of every performance, for example:

Entrance music

- music from gramophone records or magnetic tapes is switched on.

Beginning of the supporting programme

- the projector with this programme is switched on;
- the projection lamp is ignited and the dower is opened;
- the auditorium lighting is dimmed;
- the side maskings are shifted in accordance with the projection system used;
- the curtain is opened;
- the amplifier is changed over to sound from the film;
- when necessary, projector change-over during the supporting programme is effected, the side masking and the curtain being shifted as required.

End of the supporting programme

- the dower is closed;
- the sound is switched off;
- the projection lamp and the motor are switched off;
- the curtain is closed;
- the auditorium lighting is switched on.

Slide projection

- music from gramophone records or magnetic tapes is switched on;

- the device for slide projection is switched on;
- the curtain is opened for slide projection;
- the auditorium lighting is dimmed as desired.

At the end of the slide projection:

- the projector is reset for film projection;
- the auditorium lighting is switched fully on;
- the curtain is closed.

Beginning of the main programme

- the interval music is switched off;
- the projector with the main film is switched on; further as under "Beginning of the supporting programme".

End of the main programme

- at the end of the main film, same processes as at "End of the supporting programme".

Exit music

- music from gramophone records or magnetic tapes is switched on and, after a suitable time, switched off again.

Adjusting the selector

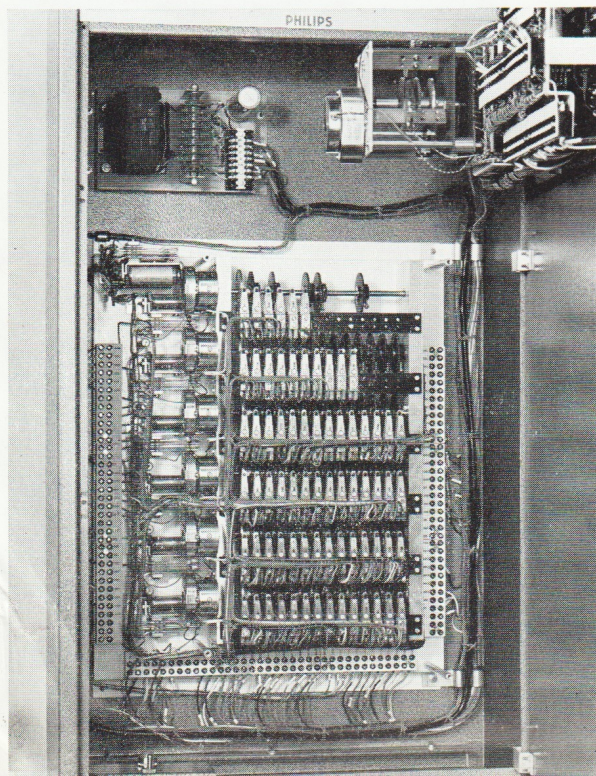
The design of the Philips automatic programme selector is based on quite a new principle which differs from all the constructions existing heretofore. It enables the projectionist to set the timings very quickly, even for several performances a day, without the use of tools. The preparation of the film is also very simple; the end of each film reel need only be provided with a single contact strip next to the frames with motor-start cue.

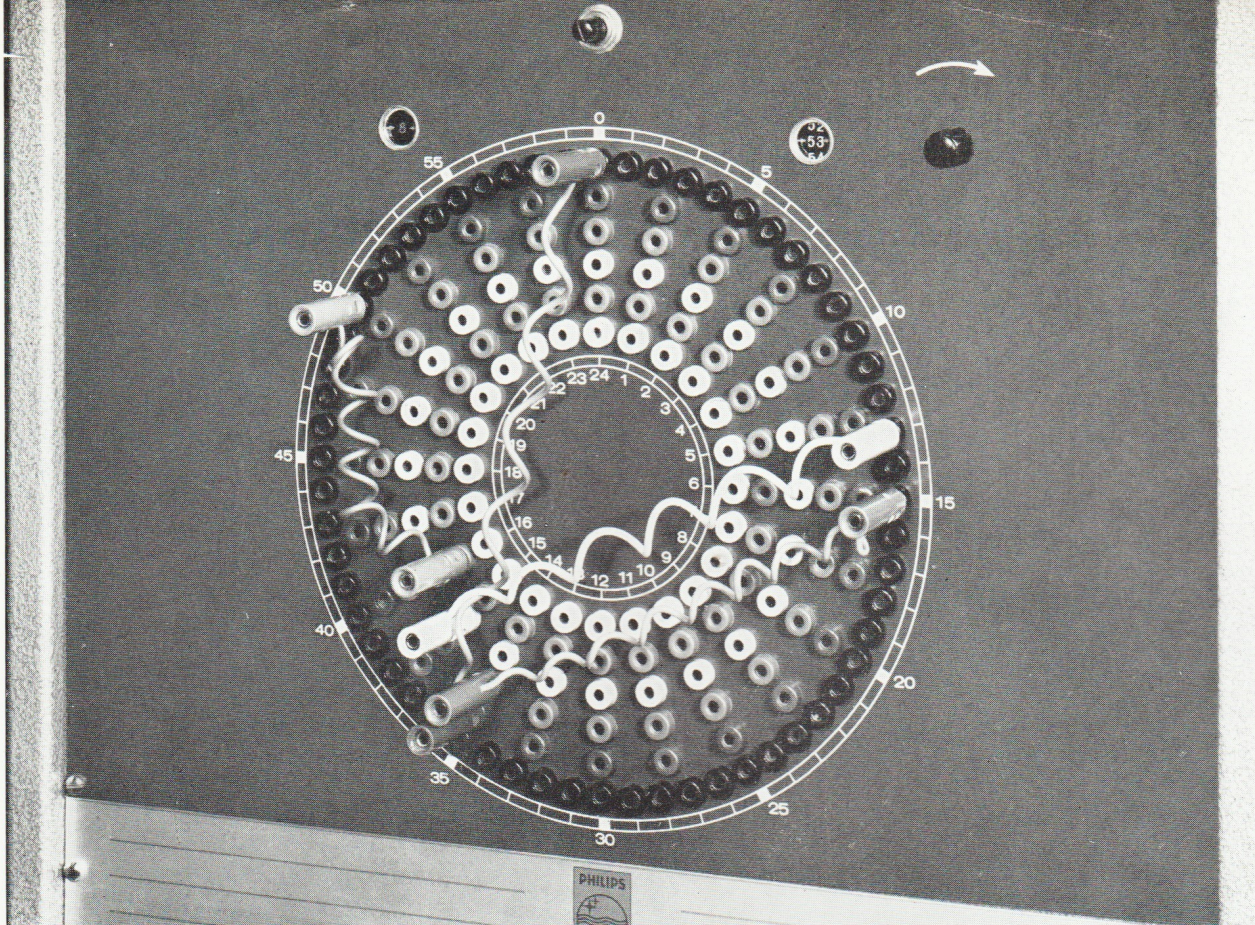
Selection of the fundamental times

The selector's working is based in principle on fundamental moments in the course of the programme; these moments are set for the whole day and for each programme part by means of pairs of plugs inserted in a timing panel. For this purpose, the panel contains six concentric circles of sockets, viz. from without inwards:

- circle 1 comprising 60 sockets for selecting the minutes 0 to 59 of all the programme parts;
- circles 2...6 each comprising 24 sockets for selecting the hours of the relevant programme parts:
 - circle 2 = beginning of the entrance music;
 - circle 3 = beginning of the supporting programme;
 - circle 4 = beginning of the main film;
 - circle 5 = end of the exit music;
 - circle 6 = spare.

Timing is effected by inserting one plug of each pair in the required minute socket (circle 1), and the other plug in the hour socket of the relevant programme circle (2, 3, 4, 5). If the same minute socket is required for several programme parts, the corresponding plugs are simply plugged into each other. With the suggested programme sequence, the timing adjustments are confined to the above; all the other





processes are effected by the end of the preceding programme part.

In the figure, the settings selected are:

beginning of the entrance music 14.00 h
 beginning of the supporting programme .. 14.15 h
 beginning of the main film 15.13 h
 end of the exit music 16.50 h

Selection of the projection system

On the central panel of the selector there are two equivalent rows of switches for preselecting the projection system. The lower row is used only with an extensive programme, for example in case of a second interval or a second main film. The upper row comprises, from left to right:

- four switches C.S.-NORM.-W.S. (CinemaScope, normal film, Wide Screen) for:
 - first aspect ratio of the supporting programme;
 - second aspect ratio of the supporting programme;

- aspect ratio for slides;
- aspect ratio for the main film;

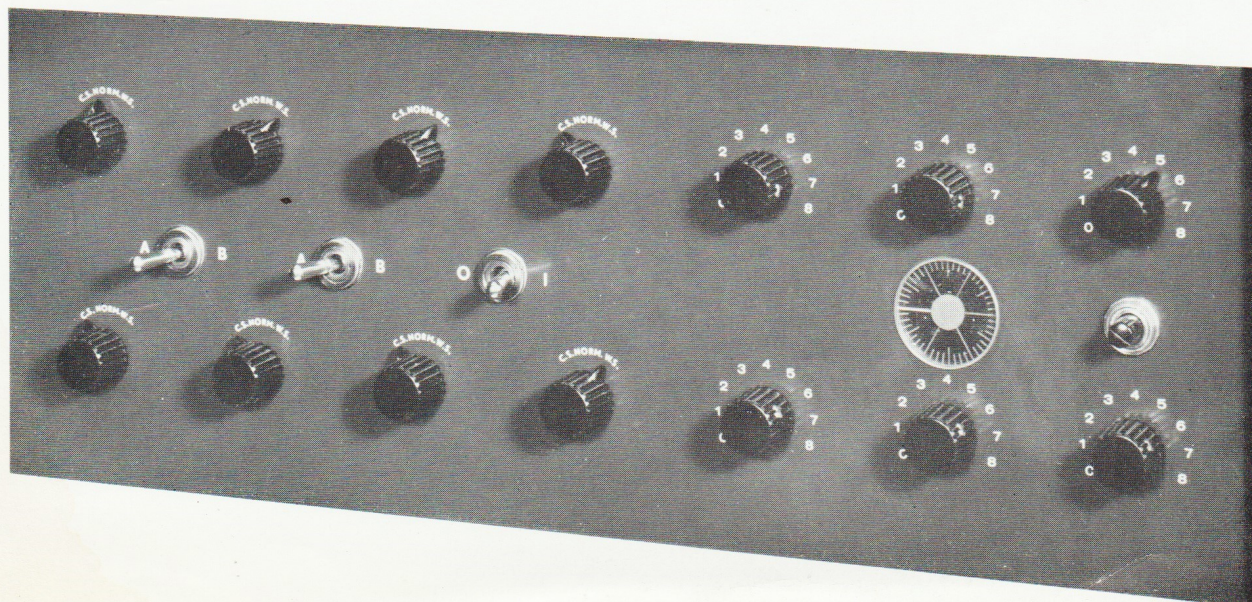
- three switches "0...8" for:

- number of reels of the supporting programme with the first aspect ratio;
- number of reels of the supporting programme with the second aspect ratio;
- number of reels of the main film.

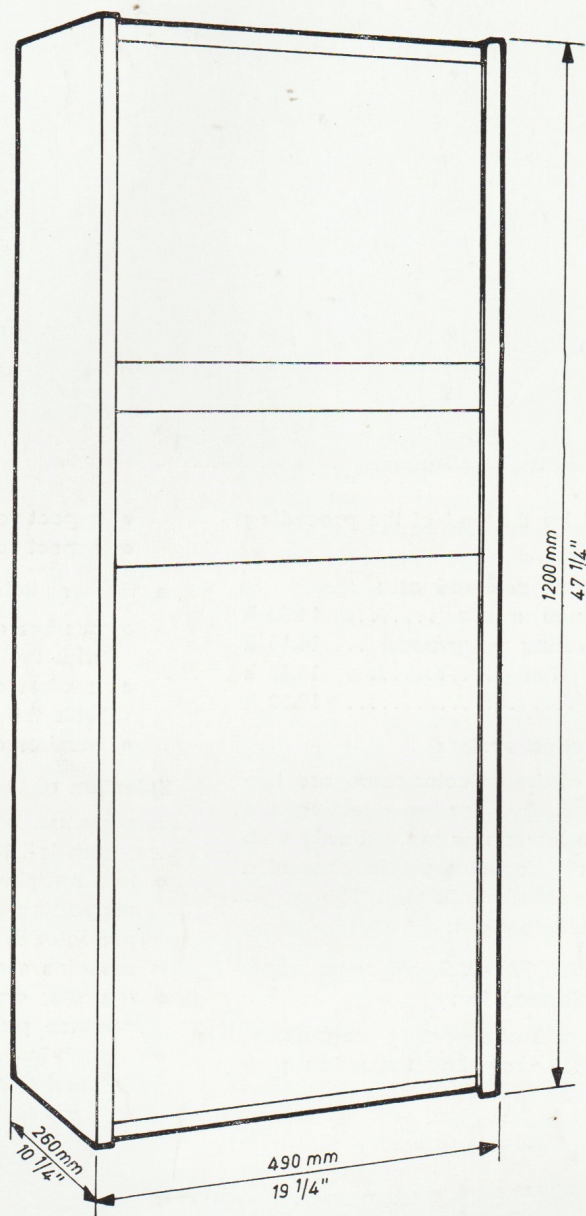
Selection of the projector

Between the two equivalent rows of switches there are, from left to right:

- two switches A-B; these determine whether the supporting programme or the main film starts on projector A or projector B;
- a mains switch 0-1;
- a scale; each segment refers to a definite programme part;
- a push-button for setting the pointer on the scale to the beginning of the segment corresponding to the desired first programme part.



Dimensional drawing



Data subject to change without notice

