



Information Sheet

REVERSING PROJECTOR



When showing pictures on film to selected personnel it is often necessary to stress certain sections, consequently the particular sequence is desired to be shown repeatedly; this is especially useful for editing purposes. Normally repeated showing of even a few feet of film requires complete re-winding and re-showing of the whole length of film, thus causing considerable delay.

To obviate this and make available instant and repeated showings of any part or sequence, Westrex has developed the "Reversing Projector" which can be operated "forward" or "reverse" at any given time or point during the run. This can be controlled either by the Projectionist or remotely by the Executive from a Remote Control Unit placed to hand and operated by pressing the appropriate buttons, clearly marked "Stop", "Reverse" and "Forward". These buttons can be operated without pause, and an automatic time delay of 10 seconds ensures that no damage is caused to film or mechanism.



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Reverse Projector equipment is essentially useful in the following fields:

Research and Experiment
Education
Instructional Schools of all types (i.e. Science, Engineering, Armed Forces, etc.)
Advertising Studios
Film Studios
Public Relations
Censoring

The complete installation comprises

- 1 or 2 Projector/reproducer assemblies fitted with reversing equipment.
- 1 Main Control Unit for one or two Projectors in a steel case 28 in. high x 20 in. wide x 8 in. deep.
- 1 Remote Control Unit 7½ in. x 5 in. x 2¼ in.

The equipment includes a single phase torque motor for each feed and take-up spool shaft and an electrically operated dower. A solenoid assembly for relieving tension on the picture gate pressure pad is fitted to avoid bunching of the film between the intermittent sprocket and the picture gate when running in reverse.

The Remote Control Unit is designed for use in dimly lit conditions and the three push buttons and the tablets designating their functions are illuminated.

Generally, the reversing equipment is fitted to machines which are equipped for operating with un-married prints, when spools of 100 ft. capacity and 2 in. diameter hubs are used; when operating with married prints the normal 2000 to 3000 ft. spools having 4 in. diameter hubs can be used and for these two conditions provision is made electrically for varying the film tension. The projector drive motors can be single or three phase types and tandem operation of two or more machines with interlock can be provided to special order.

If a Westrex Projector is already in use then the required additional equipment can be fitted to this; the normal functioning of the Projector is not affected in any way.

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