



Slide Projector Type BD 894

MODERN telecine requirements for a 2 × 2 in. (5 × 5 cm) automatic slide projector are fully met by the Type BD 894 which is expressly designed for use in television production.

Features

- Removable magazine of 30 slides.
- Sequential or random selection.
- Rapid change of slides accurately registered in a unique gate.
- Lamphouse has provision for automatic light control or remote fading with no change of colour temperature.
- Quickly replaced projector lamp.
- Dual version available which can project 60 slides at random or in sequence in 20 seconds.

CONSTRUCTION

This slide projector uses a moulded slide magazine holding 30 slides which can be removed for storage, a transparent lid with index sheet being provided. Thus slides can be selected in advance and loaded into the machine. A set of captions can be kept together through rehearsals to transmission.

The magazine is loaded on to a carriage which moves backwards and forwards to

locate the required slide under the gate. When located, a plunger lifts the slide into the gate which has V-grooved guides to locate the slide in the focal plane. As the slide approaches its final position it is located by plungers to register it about the two edges opposite the 'thumb mark'. Each slide is therefore accurately located and will register again in the same position. Slides in holders conforming to the standard specification must be used, but in practice this permits a wide range of choice.

Illumination is provided by the Type 5498 Lamphouse as used for the telecine projectors, giving the advantages of light control without lag or change of colour temperature.

The Dual Slide Projector consists of two units mounted side-by-side at 7-inch (18 cm) centres with an optical multiplexer unit combining the two light outputs.

VERSIONS AVAILABLE

Type BD 894A is a single unit with magazine and control panel on the left-hand side viewed from the lamphouse.

Type BD 894B is the right-handed equivalent.

Type BD 894C is a dual unit on a base with optical mixing.

CONTROL SYSTEM

The local control panel on the projector has 'CHANGE', 'LOCAL/REMOTE' and 'MAGAZINE RELEASE' switches. Mains switches and fuses must be provided externally.

Remote control panels, Type 6197, each 14 in. × 16 in. (35 × 15 cm) are available for slide selection and fading:

Types A and B together give random or sequential slide selection and fading of two single or one dual slide projector.

Type C gives similar facilities for a single projector.

Type D gives fading and sequential selection only, for two single or one dual slide projector with illuminated digital indication of the selected slides in each gate.

Type E gives similar facilities for a single projector.

When used with automatic light control, the faders determine the percentage of control applied to the lamphouse shutter, i.e. automatic control still applies.

These control panels can be mounted in the telecine consoles, at the vision mixer etc., or can be mounted in a pedestal which brings the lens height of the projector up to 48 inches (122 cm) above ground.

Data Summary

Change time: Adjacent slides, 0.25 sec.

Longest path, 2 sec.

Lamps: 500 or 750 W prefocus base.

Lenses: 8 in. (20.3 cm) or 7 in. (17.8 cm) focal length.

Magazine: 30 slide capacity (2 in. × 2 in.) Kershaw Type (2 provided with each projector).

Gate size: 1.125 in. × 0.843 in. (28.58 × 21.44 mm) transmitted area (B.S. standard).

Dimensions:	Height	Width	Length
<i>Single Unit</i>	10 in. (25 cm)	4 in. (10 cm)	2 ft 3½ in. (69 cm)
<i>Dual Unit</i>	10 in. (25 cm)	12 in. (30 cm)	2 ft 3½ in. (69 cm)
<i>Pedestal</i>	37½ in. (97 cm)	15 in. (38 cm)	26 in. (66 cm)

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