



Special-effects Switching Equipment

Electronic Switch Type 6155

THE basic function of this unit is to produce an extremely high-speed change-over switching function between two synchronous vision sources, the keying signal being derived externally from an electronic pattern generator or camera or telecine channel operating with a suitable high-contrast source. Apart from the usual range of wipes, etc., therefore, 'inlay' and 'overlay' effects can be obtained.

The switching time is so small as to be imperceptible on normal television monitors and will operate equally well on colour signals without showing an outline at the transition. When on inlay from a vidicon channel, 'fast' and 'slow' modes are available (selected at the remote control panel) to deal with the slight smearing effect with moving images which effectively widens the image.

A pulse-narrowing technique is used to ensure that the picture being inserted in an overlay will 'fill out' the hole punched in the background picture.

Dimensions:

Height 15½ in. (39.3 cm)
Width 8½ in. (22.7 cm)
Depth 23 in. (56 cm)
Weight 43 lb. (19.5 kg)

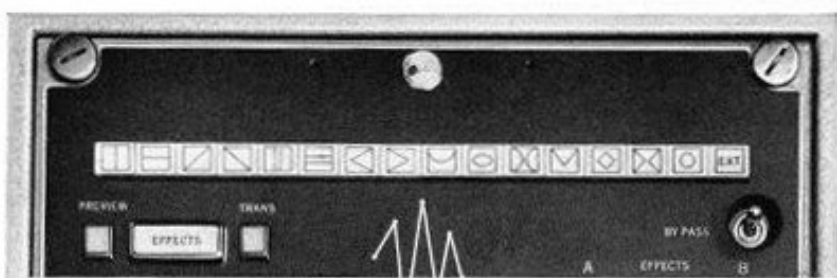
Electronic Switch Control Panel Type 6192

This panel, size 14 in. x 4 in. (35.6 x 10 cm) is essential for the control of the Electronic Switch Type 6155 and is arranged for mounting in the well of a console or a similar operating position.

Push buttons are provided to select the switching mode, from the pattern generator, from a vidicon inlay source or as an overlay with white or black backgrounds.

Controls are also provided for clipping, relative black and relative gain to enable the two sources to be properly balanced. A cue light warns the operator that the equipment is switched into the programme line. The panel is arranged for edge illumination for use in darkened control rooms.

Inputs: Mains, 100-125 or 200-250 V (5 V steps), 50 or 60 c/s. 100 VA.
H.T. 360 mA at 200 V d.c.
Vision,* standard level.



Control unit for Electronic Pattern Generator Type BD 855, in this case forming part of a composite presentation panel.

Switching,* 0.7 V or 1.05 V p-p for inlay or foreground camera for overlay.

* Bridging inputs.

Outputs: Vision, 3 standard level outputs, composite or non-composite.

Dimensions:

Height 4 in. (10.2 cm)
Width 14 in. (35.6 cm)
Depth 4 in. (10.2 cm)
Weight 4 lb (1.8 kg)

Electronic Pattern Generator Type BD 855

This rack-mounted unit, which has self-contained power supplies, provides a series of keying signals to the Electronic Switch Type 6155 to produce wipes and other special effects. The associated control panel has a lever to control the movement of the wipe and 16 push-buttons for the selection of the pattern. The sixteenth button enables an external keying signal to be inserted, derived from a camera channel or telecine equipment.

In addition to patterns based on a straight line and wedge, this generator also produces parabolic and circular patterns. The stability is very good and these generators are in considerable use at presentation and studio vision mixers. The control panel is 14 in. wide x 6 in. high (35.6 x 15.2 cm) and is arranged for incorporation into mixer control panels or in console wells, etc. No vision circuits are brought to the control panel which operates relays, etc., on the main unit.

The generator can be used on 625/525/

405-line standards, adequate range of adjustment being provided by the preset controls.

Inputs: Mains, 100-125 or 200-250 V (5 V steps), 50 c/s.

Line drive
Field drive
Blanking
Sync.

Standard levels

Vision (external keying) 0.7 V p-p.

Outputs: Switching pulse, 0.7 V p-p rectangular waveform.

Dimensions:

Generator

Height 15½ in. (39.3 cm)
Width 19 in. (48 cm)
Depth 11 in. (28 cm)
Weight 37 lb (17 kg)

Control panel

Height 6 in. (15.2 cm)
Width 14 in. (35.6 cm)
Depth 3½ in. (9 cm)
Weight 3 lb (1.4 kg)

Standard patterns:

A - Horizontal wipe	J - Vertical parabola
B - Vertical wipe	K - 'Eye'
C - Diagonal wipe	L - 'Hour-glass'
D - Diagonal wipe	M - Wedge, top
E - Horizontal slit	N - Square
F - Vertical slit	P - Two wedges
G - Wedge, r.h.	O - Circle
H - Wedge, l.h.	R - External

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