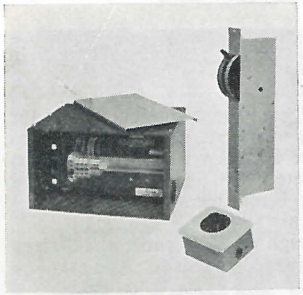
ELECTRONIC DIMMERS



ED·1475 Electronic dimmer manual operation designed to carry heavy tungsten loads in Auditorium and Lecture Theatre lighting. Independent control of dimmer by rotary knob (a) or lever strip (b).

TUNGSTEN LOAD

Cat. No.	*Manual Dimmer Separate Control*	*Case Size*	*Price each* £
ED·1475·2	2 kw	12″ x 10″ x 7″ (30 x 25 x 17 cms)	58·05
ED·1475·4	4 kw	12″ x 10″ x 7″ (30 x 25 x 17 cms)	67·72
ED·1475·6	6 kw	12″ x 10″ x 7″ (30 x 25 x 17 cms)	77·40
ED·1475·8	8 kw	12″ x 10″ x 7″ (30 x 25 x 17 cms)	105·35
ED·1475·11	11 kw	12″ x 10″ x 7″ (30 x 25 x 17 cms)	131·15

Control Lever charged extra, details on application

FLUORESCENT LOAD

Cat. No.	*Description*	*Price each* £
ED·1475·2·MFD	2 kw Manual Dimmer 10 amp	67·72
ED·1475·4·MFD	4 kw Manual Dimmer 20 amp	80·62
ED·1475·6·MFD	6 kw Manual Dimmer 30 amp	94·60
ED·1475·8·MFD	8 kw Manual Dimmer 40 amp	129·00
ED·1475·11·MFD	11 kw Manual Dimmer 55 amp	166·62

ED·1006 Electronic Dimmer, fully automatic for remote operation. Facilities for pre-set levels, rate of dimming and number of operations. Designed for controlling light levels in Lecture Theatres, Assembly Halls, etc.

TUNGSTEN LOAD

Cat. No.	*Description*	*Price each* £
ED·1006·2	2 kw Automatic Dimmer	105·35
ED·1006·4	4 kw Automatic Dimmer	112·87
ED·1006·6	6 kw Automatic Dimmer	120·40
ED·1006·8	8 kw Automatic Dimmer	139·75
ED·1006·11	11 kw Automatic Dimmer	172·00
ED·1006·16	16 kw Automatic Dimmer	236·50
ED·1006·20	20 kw Automatic Dimmer	279·50

Note: Can be used for fluorescent loads, details on application.

PATCH PANELS

In any flexible Stage Lighting Scheme one of the main problems is to design an arrangement which embodies sufficient socket outlets to which Stage Lanterns can be connected to cover the many areas and situations that may arise, and then relate these to circuits with dimming facilities. A simple method of reducing this problem is to incorporate patching facilities. The word "patching" describes a method whereby dimming panels terminate in protected plugs which can be connected into socket outlets which in turn are wired back to the Stage Lantern positions so that at any one time it is possible to plug in dimmers to cover circuits on a selected area, thereby saving in the cost of Dimmers provided on the Switchboard. This system has been improved with the introduction of electronic dimmers which have dimming characteristics independent of load such that the same dimming curve is produced across the full range from 60 w to the rated load of the dimmer which may be 2 or 3 kw. By introducing 2 or 3 dimmer leads commoned to a single dimmer channel more than one circuit on the patch panel can be used at any one time. For example if 6 dimmers rated at 2 kw each are fitted with 2 leads they could be connected to a total of 12-1 kw circuits or with 3 leads to each dimmer channel 18-500 w circuits. Patch Panels are made in standard form as illustrated or alternatively they can be tailor-made to suit specific installations. In addition to the standard design it is possible on large systems to arrange these Panels in desk form and use counter weighted leads to avoid the tangle of cable which often occurs with a large number of circuits and outlets. Normally design loads are between 1 and 2 kw, but it is possible to consider specials with greater loads of up to 10 kw.

A variation of the Patch Panel is the fitting of a selector switch to each incoming stage circuit and to provide an independent main supply so that the user has the facility that circuits not switched to the dimmer channels can be operated independently and switched on. Thus avoiding the main problem with patching, the fact that circuits not selected on the dimmers cannot be used.

Switches normally would be of the three position type giving a centre off position, on dimmer, or on constant supply. Thus for certain stage designs where a semi-arena or proscenium interpretation may be necessary circuits can be permanently switched on to improve coverage by the Stage Lighting Equipment.

Finally a further development in Patch systems is to incorporate both Patch Panels and dimmer channels in a single unit. A typical form is illustrated which embodies 12 dimmers with facilities for linking up to 48 outgoing Stage Circuits, each dimmer channel is provided with 3 leads so that based on 500 w loads, up to 36