

STRAND REMOTE CONTROL

There are no technical limitations to the number of circuits or rows which may constitute a complete panel and the latter may be mounted as a desk as in Figure 1, or in the form of a shallow box for flush or surface wall mounting.

Individual Circuit Control Unit.—This consists of a plastic moulding (A) measuring only $6\frac{1}{2}$ inches by 1 inch wide, carrying the miniature "dimmer" with its operating handle (B) and graduated scale (C), together with a two-way-and-off switch (D). The handle of the latter is suitably labelled to denote the stage lighting circuit controlled. The complete unit plugs into position (there are only two fixing screws), and may be replaced or interchanged in a matter of seconds, the winding of the dimmers being standard and without relation to the size of the lighting load being controlled.

Row Master Controls.—These consist of a row master dimmer (E), a row master switch (two-way-and-off) (F) and a small pilot lamp (G) indicating when the row in question is in use. These are situated at the end of the row they control.

Panel Master Controls.—The complete set of rows constituting a panel are provided with a panel master switch (H) and two panel master dimmers (shown below each panel in Fig. 1). As will be seen later these two dimmers are allied to the two "on" positions of the switches mentioned in the two previous paragraphs.

Duplicate Panel and Grand Master Controls.—The whole of the above controls are duplicated on a second panel so that, while either is in use, the switches and dimmers of the other may be set up to meet future requirements without interfering with the lighting in use until a changeover is made. The changeover from one panel to another is by means of a simple lever for rapid operation, or by means of a hand wheel for slow work (shown centrally below panels in Fig. 1). As it may on occasions be desired only to change over some but not all circuits to new settings on the other panel, each horizontal row of circuit controls is fitted with a special switch (extreme right of Fig. 1) whereby that row may be released from the grand master cross control. Thus rows of controls on both panels may be in use simultaneously (the pilot lamp at the end of each row indicating which these are) and a dead blackout switch is provided to control the whole of both panels simultaneously by a single operation. (Top right, Fig. 1.)

OPERATION

Any incandescent stage lighting load between rated maximum and zero may be smoothly regulated by its circuit dimmer, or may be left in an intermediate position of check indefinitely without heating or deterioration of parts. The two-way-and-off circuit switch embodies one "off" position and two "on" positions. One of these "on" positions connects that individual circuit to the main supply through the row master switch. In the other "on" position the switch feeds the circuit independently of the row master switch. In addition, the same switch gives the operator the choice of placing the individual circuit under the control of its row master dimmer or not.

Row master controls consist of a row master dimmer and row master switch. The former will dim any circuits in that row which have been connected to it by their individual circuit switches. As this control functions electrically rather than mechanically, individual circuits are dimmed or brightened proportionately and the individual dimmer handles do not move. Consequently it is always possible to return to any previous

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