Dimmers.—These are of the sliding brush type of standard construction, with the exception that a special block is fitted on the brush carriage to which the tracker wire is secured. As the board is otherwise totally enclosed, the dimmers are not provided with covers, the end plates being fabricated in sheet steel as an added precaution against breakage. In other respects the specification on page H.11 applies, each dimmer having a specified loading between 300 and 1,000 watts.

Operation.—A shaft supported in ball bearings, runs the entire width of the case. " V " grooved pulleys are carried on the shaft to which the tracker wires are secured, the drive to the dimmers being conveyed over suitable guide pulleys.

Handles with extended spindles are screwed into the driving wheels for operating the dimmers individually. Master control is obtained by screwing the handles down on to the shaft and operating a large diameter hand-wheel located at one end of the shaft.

Graduated scales surrounding the driving wheels indicate the dimmer position.

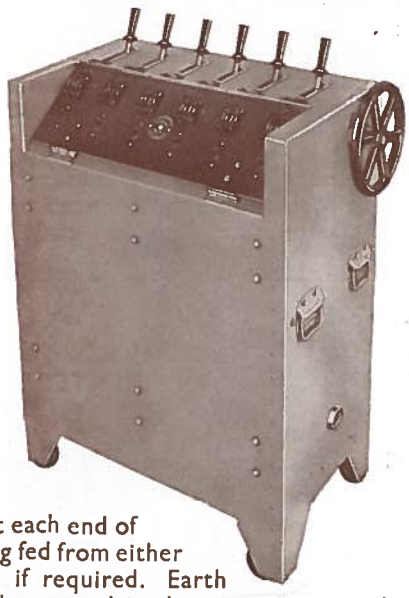
Suitable couplings are provided on the shaft at the end opposite to the master handwheel, to permit mechanical attachment to an adjacent board if required.

Dimensions.—Height: 3 ft. 10 ins. Width: 2 ft. 9 ins. Depth: 2 ft. 1 in. **Weight:** 2 cwts., (approx.)

PRICE .. .. each

INTERLOCKING "SUNSET" DIMMER BOARD (6-WAY)

SPECIFICATION



Case.—Constructed entirely in sheet steel, ensuring adequate strength without excessive weight, two " chest " type handles being provided on each side for general handling.

A large louvred inspection door is fitted at the back of the board to provide access and ventilation to the dimmers, the door being secured by lever handles. Arranged in line below the door are suitable sockets to accommodate 15-amp., 3-pin, connector plugs, the whole unit being mounted on 4-inch diameter rubber-tyred castors protected by steel guards.

Panel.—This is of bakelite or similar material, mounted with double-pole fuses and back of board switches, the " dollies " or knobs only projecting. Raised shoulders are formed in the case at each end of the panel to protect fuses and switch dollies from accidental damage. The panel is hinged at the top to facilitate inspection of the wiring at the back of the panel and to permit additional access to the dimmers, the panel being secured at bottom by wing screws.

Terminals and Incoming Cables.—2-inch brass bushes are provided at each end of the board to accommodate incoming cables, thus permitting bus-bars being fed from either end, and also electrical connection being made to an adjacent board if required. Earth terminals are provided, carried on brackets riveted direct to the metal case, and in close proximity to the entry bushes. Both Main and Earth terminals are of generous dimensions, having " tommy-bar " clamping screws and being suitably positioned to avoid as far as possible the incoming cables making sharp bends.

Dimmers—Maximum Load—4 kw. at 240 v.—These are of our standard " Sunset " pattern, the windings being carried on " Sindanyo " formers connected to suitable contact studs. By the provision of an adequate number of these studs, a staggered arrangement of same and careful calculation of the resistance windings, finely graduated dimming is assured.

Operation.—A 1-inch diameter shaft carried in ball bearings, is mounted within the case, immediately above the dimmers. Suitable crank castings are mounted on this shaft, one arm of the crank being connected by a flat steel link to the dimmer brush arm, the other side of the crank being provided with a threaded boss which accommodates the stem of the dimmer operating handle.

These handles pass through slots in the top of the case, and immediately in front of the panel a graduated scale is fitted at the side of the slot for indicating the degree of dim.

By unscrewing the dimmer handles a quarter turn they are released from the shaft and the dimmers operate individually. When the handles are screwed down the dimmers are locked to the shaft and can be operated collectively by means of a large diameter handwheel at one end of the shaft. A sleeve coupling is fitted at the opposite end for the mechanical attachment of an adjacent board if required.

Dimensions.—Height: 3 ft. 10 ins. Width: 3 ft. Depth: 1 ft. 10 ins **Weight:** 2½ cwts., (approx.)

PRICE .. .. each

NOTE (1) *Electric Supply details should be stated, together with the dimmer loadings required (within the limits given in the specifications above) at the time of ordering.*

NOTE (2) *Portable switchboards are normally only constructed for 6 dimmer-ways. Larger or smaller sizes can be supplied to order but in the interests of portability, full use should be made of the sleeve couplings provided for ganging up the interlocking types.*

BRANCH
399, OLDHAM RD.
MANCHESTER, 10
COLLYHURST 2736

THE STRAND ELECTRIC & ENGINEERING CO., LTD.
HEAD OFFICE AND SHOWROOMS
29, KING STREET, COVENT GARDEN, LONDON, W.C.2
SALES COUNTER AND GOODS ENTRANCE: 24, FLORAL STREET, W.C.2
TELEPHONE: TEMPLE BAR 4444 *TELEGRAMS:* SPOTLITE, RAND LONDON

BRANCH
62, DAWSON ST.
DUBLIN
DUB. 74030