

STRAND DIMMERS

"SUNSET" DIMMERS, TYPES A, AI and B (Element Pattern)

These dimmers employ the element principle used on the "STRAND" plate dimmers, but are made up in a rectangular form without the aluminium casing. This, while retaining the majority of the advantages of the plate type, effects considerable reduction in cost of construction. This unit is altogether superior electrically and mechanically to the "open coil" type usually used. The "Sunset" element dimmer is fitted as standard to the switchboards illustrated on the following pages.

FRAME.—Wrought iron, suitably arranged for switchboard mounting, for removal from either back or front of board. Also suitable for banking for motor drive.

PANELS.—Natural grade "Sindanyo" of ample size to prevent warping.

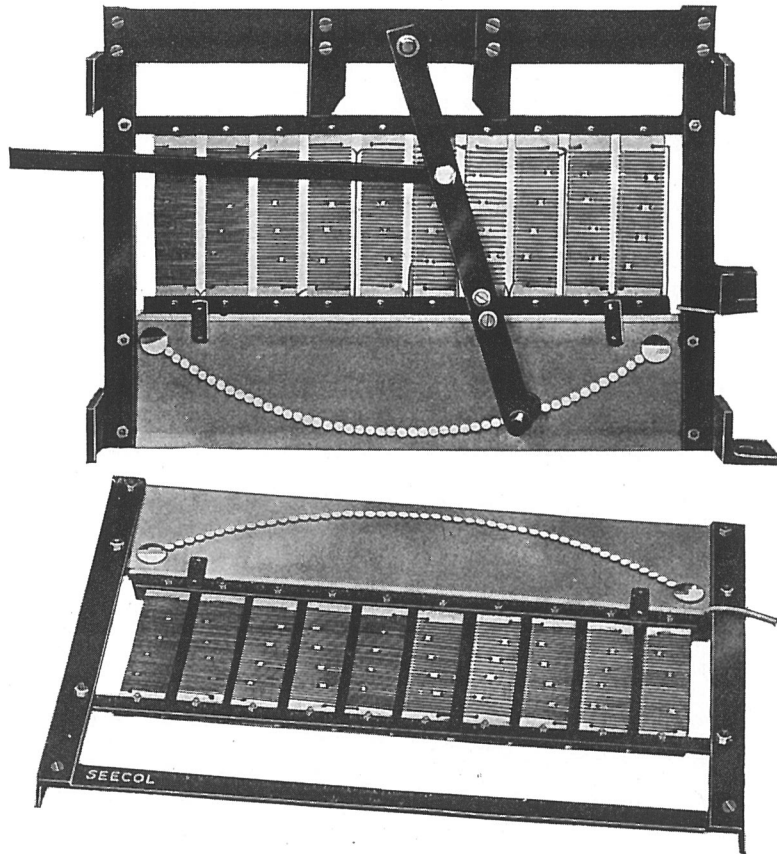
TERMINALS AND STUDS.—Brass studs throughout of ample size, fitted with special collets for connecting elements.

ELEMENTS.—Natural grade "Sindanyo" wound with best quality nickel-copper alloy wire. Wire is non-corrosive, and is unaffected by atmospheric conditions, and also has a negligible temperature coefficient.

BRUSH.—Anti-friction carbon of ample section to carry current required without voltage drop.

INSULATION.—Panels, Elements, Brush, and other live parts are insulated from frame with bakelite bushings and washers. All insulation is impregnated with bakelite varnish to prevent damp creeping in at these points. The insulation resistance of an individual dimmer is not less than 20 megohms, measured with a 500 volt testing set.

GENERAL.—All dimmers have a definite "off" position. Dimmers are made with 80 or 100 steps of resistance, and windings are graded to give flickerless dimming from "full on" to "off" when used with a load of its rated capacity. Dimmers for dip plugs can be arranged to give a load variation of + or — $33\frac{1}{3}$ per cent.



*Sunset Element Type Dimmer
dismantled showing brush arm and contacts*

**STRAND ELECTRIC
AND ENGINEERING CO., LTD.**

FLORAL STREET, COVENT GARDEN, W.C.2

Telephone :
Temple Bar 7464 (6 lines).

Telegraphic Address :
Spotlite, Rand, London.