



**Type SP.40/2** Table or wall mounting, Weight 42 lb. (19 kilos)

## SPECIFICATION

The control desk, for type JTM or PTM Thyristor dimmers, shall be constructed of aluminium with alloy extrusions and be smooth finished two-tone hammer grey. The operational area shall be angled  $15^\circ$  and be reversible to allow either table or wall-mounting. A 2-in. (50 mm.) diameter cable entry hole, with coverplate, shall be provided in one end. Internal access for installation and inspection shall be by temporary removal of the reversible front panel.

The two dimmer levers and the three-position switch associated with each control channel shall be mounted one above the other to facilitate rapid appraisal and matching of intensity levels. A bold channel identification number shall be provided at the top of both dimmer levers.

The dimmer levers shall have a linear motion and shall consist of a precision black moulding with a fixed scale, in contrasting white, shared between two adjacent-numbered levers. The effective scale length shall not be less than  $2\frac{1}{2}$ -in. (60 mm.) and this shall be clearly graduated from 0 through to 10 with half divisions indicated. Each lever shall be fitted with a moulded knob with a concave finger-rest and bold index line. This knob shall be fully insulated from the three-contact brush assembly of a continuously wound potentiometer. The top row of dimmer levers shall be fitted with red knobs and the bottom row with green knobs; the two rows shall be inter-connected in a 2-preset network.

The three-position switch to each control channel shall have a lever-action with a  $30^\circ$  movement between adjacent positions. This switch shall group the two dimmer levers to the A master dimmer of each preset when in the top position, to the B master dimmers when in the bottom position, or to A and B master dimmers simultaneously when in the centre position; this shall not in any way impair the separate control

of the A and B master dimmers on other channels. There shall be no momentary interruption of the control signal when a switch is moved from one position to another.

The master dimmers shall be plug-in printed-circuit DC amplifiers, housed within the desk, and controlled by four master faders, which shall be mounted in pairs with one either side of a fixed quadrant scale. The effective scale length, through a  $90^\circ$  arc, shall not be less than  $3\frac{1}{2}$ -in. (80 mm.). Each master fader, in conjunction with the master dimmers, shall provide proportional mastering independent of load.

A key-operated dead-blackout switch shall be provided and, adjacent, a neon pilot and cartridge fuse for the control circuit power supply (derived from one Thyristor dimmer rack).

All internal wiring shall be preformed and colour-coded with external connections brought to labelled pressure-pad terminal blocks.

The phase to neutral voltage should be stated at time of order.

### CONTROL WIRING

One Ref. 608 (or equivalent) 3-conductor cable is required between the desk and the lowest-numbered dimmer rack; also one Ref. 601 (or equivalent) 12-conductor cable, between the desk and appropriate rack, for each multiple of ten dimmer channels.

The control cables interconnect like-labelled terminals at the desk and dimmer racks. The 3-conductor cable (1 amp at supply voltage) is for terminals A, B and E and the 12-conductor cable (5m A at 24V) is for ten consecutively numbered terminals and terminal C.