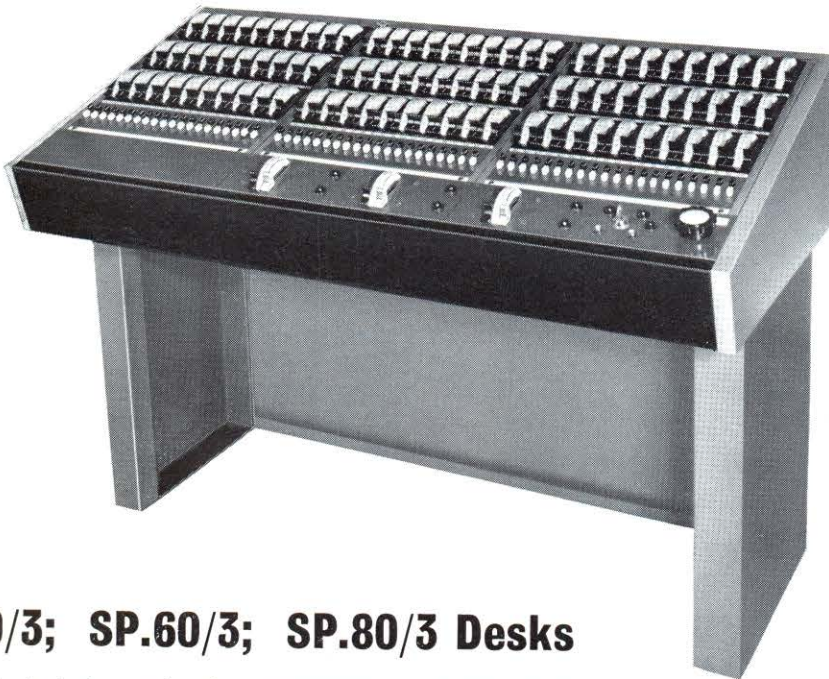




REMOTE CONTROL



Type SP.40/3; SP.60/3; SP.80/3 Desks

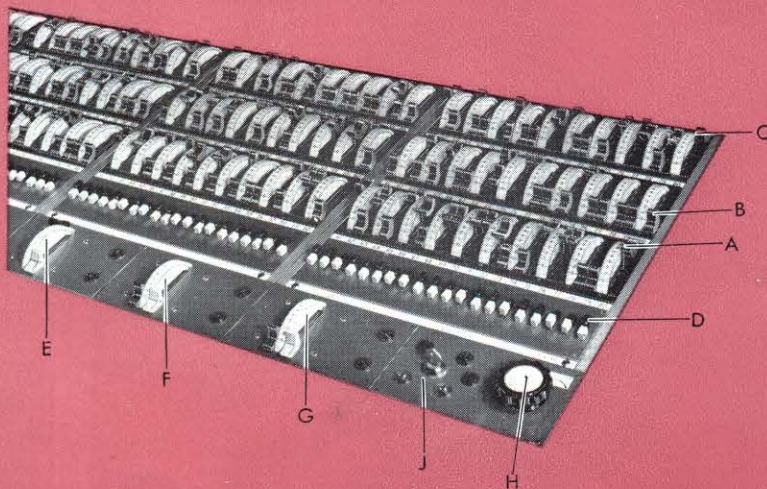
These 3-preset controls desks are for the remote control of 40, 60 or a maximum of 80 type JTM or PTM Thyristor dimmers. They have a low back to allow the seated operator to see downwards over the top.

Fingertip control of precise intensity levels is provided by three dimmer levers for each dimmer channel. These are arranged one above the other in the three presets with a pair of push buttons, for grouping, below. Each preset has two linear-type master faders, one black and one white.

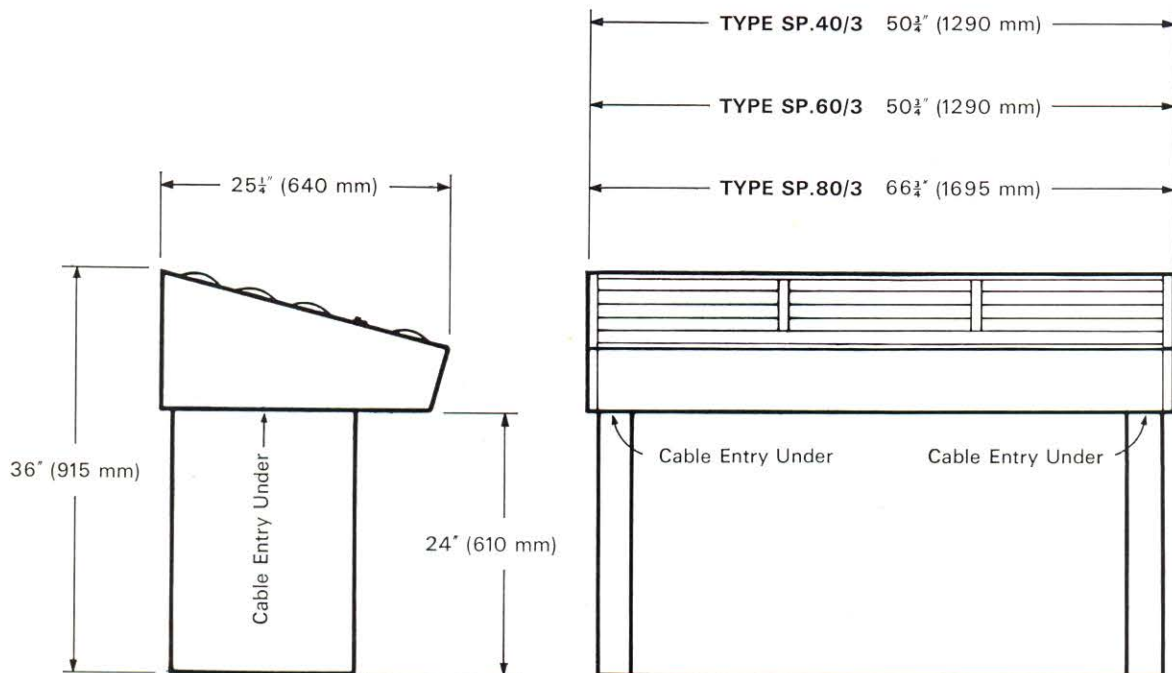
The black and the white latching push buttons allow all

three presets to be grouped either to the black master fader to each preset, or to the white master faders, or off, or to both the black and the white master faders simultaneously. Channels grouped to both master faders can be kept steady when cross-fading the black and the white groups; this avoids the need to squander another preset for this frequent requirement.

Another special master fader is provided to inhibit the response, on all presets, of a permanent group of control channels such as those for the auditorium spotlights.



- A. Preset I dimmer levers.
- B. Preset II dimmer levers.
- C. Preset III dimmer levers.
- D. Black and white latching push-buttons for grouping.
- E. Preset I black and white linear-operated master faders.
- F. Preset II master faders.
- G. Preset III master faders.
- H. Inhibitor master fader for permanent group.
- J. Neon pilots, and key-operated dead-blackout switch.



WEIGHTS

Type SP.40/3	120 lb. (54.5 Kilos)
Type SP.60/3	140 lb. (63.5 Kilos)
Type SP.80/3	170 lb. (77 Kilos)

SPECIFICATION

The free-standing desk, for type JTM or PTM thyristor dimmers, shall be constructed of aluminium with alloy extrusions and be smooth finished two-tone hammer grey with a bonded-vinyl front edge in black. The height shall not exceed 36-in (915-mm). The operational area shall be angled 15° above the horizontal. A 2-in (50-mm) cable hole, with coverplate, shall be provided at the top of both legs. Access for installation and subsequent inspection shall not require rear access but shall be by large rear-hinged top panels. The legs and rear bracing panel shall be removable to reduce packing volume and to assist on-site positioning.

The dimmer levers for each preset shall be arranged in one horizontal row with vertical divisions at each twenty to pattern the layout. To facilitate rapid appraisal and accurate matching of intensity levels all three dimmer levers and the two push buttons associated with each channel shall be mounted one above the other separated only by a large channel identification number. All dimmer levers shall be identical in size. The three rows of dimmer levers shall be interconnected in a 3-preset network.

The preset dimmer levers shall consist of a precision black moulding with a fixed quadrant scale, in contrasting white, shared between two adjacent levers. The effective scale length, through a 90° arc, shall be 3 1/4-in (83-mm) and this shall be clearly graduated from 0 through to 10 with half divisions indicated. Each dimmer lever shall be fitted with a moulded black knob with a concave finger-rest and bold index line. The potentiometer shall be continuously wound with a three-point brush assembly fully insulated from the direct drive operating arm.

The black and the white latching push buttons to each dimmer channel shall group the three levers to the black master fader or to the white master fader on each preset. Depression of the black push shall release the white push, and vice versa. To facilitate a cross-fade within a preset simultaneous depression of both the black and the white push buttons shall allow both to latch and the dimmer

levers to be grouped to both the black and the white master faders simultaneously. This shall not in any way impair the separate control of the black and white master faders on other channels. When both push buttons are tripped all three dimmer levers shall be inoperative.

The six master faders shall have a linear motion and be mounted in pairs with one black and one white either side of a fixed quadrant scale. The effective scale length, through a 90° arc, shall not be less than 3 1/4-in (80mm). Each master fader shall be fitted with a cartridge fuse and shall provide proportional mastering independent of load.

To remove the necessity for separate grouping-up of, for example, the auditorium spotlight channels an additional master fader shall be fitted at the right-hand side. This shall have a rotary knob and shall inhibit the response, on all presets, of a permanent group selected at the time of order. A key-operated dead-blackout switch shall be provided. Two neon pilots and two cartridge fuses shall be provided for the control circuit power supplies (derived from two Thyristor dimmer racks).

All internal wiring shall be colour-coded and external connections brought to labelled pressure-pad terminal blocks mounted within the desk.

Models shall be identified as follows:

Type SP.40/3 40 control channels, 3-preset.

Type SP.60/3 60 control channels, 3-preset.

Type SP.80/3 80 control channels, 3-preset.

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

CONTROL WIRING

One Ref. 604 (or equivalent) 3-conductor cable and two Ref. 601 (or equivalent) 12-conductor cables are required between the desk and each of the first two type JTM or PTM 20-dimmer racks. For each additional 20-dimmer rack only the two 12-conductor cables are required.