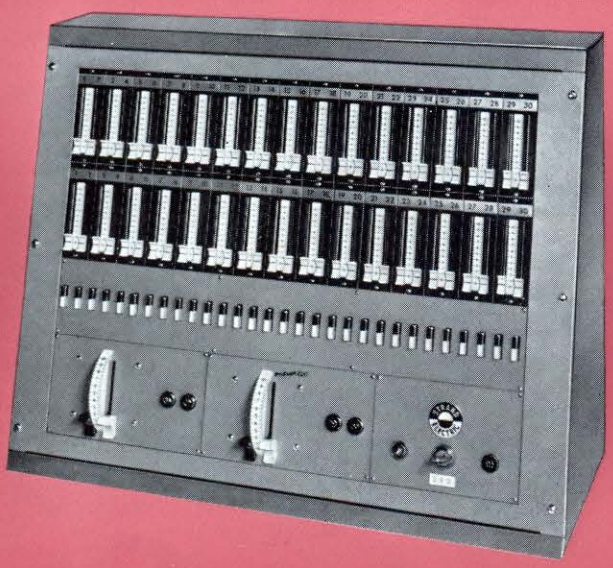
REMOTE CONTROL

Type SP.20 and Type SP.30 Desks

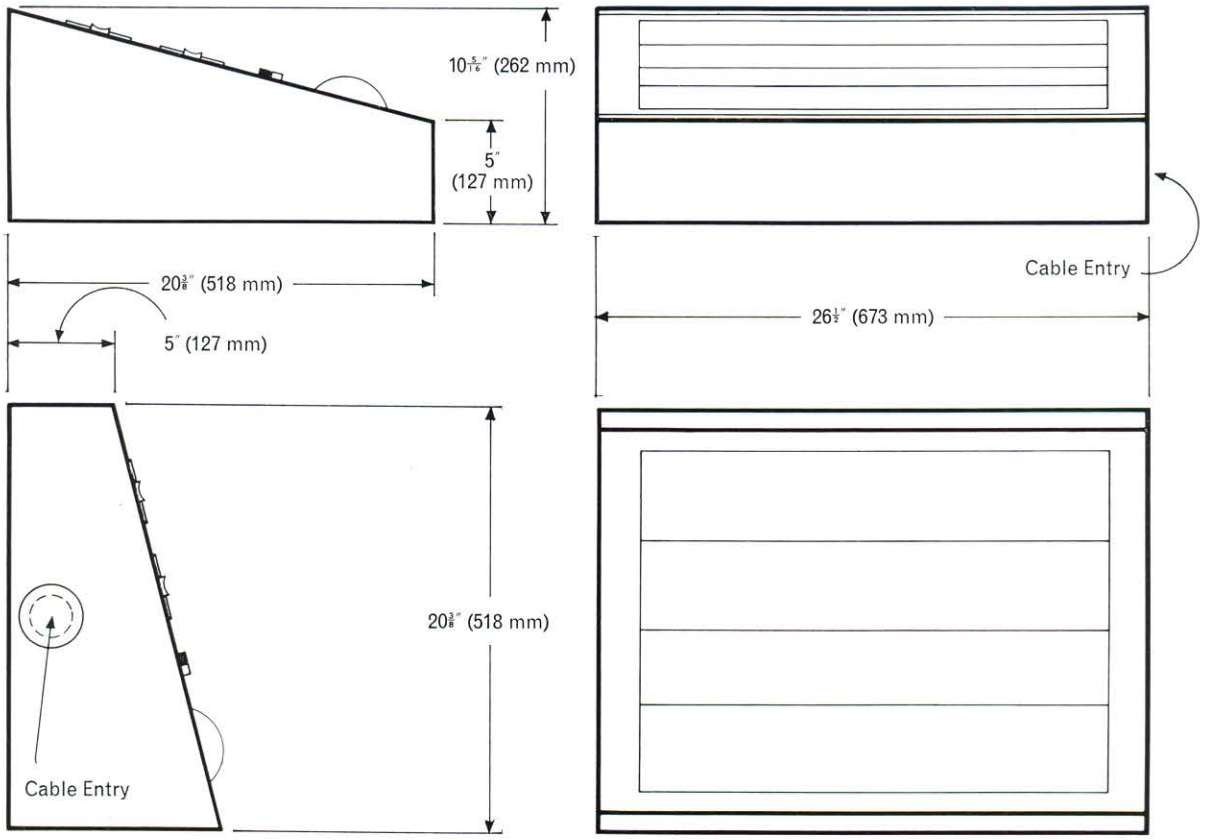
These compact 2-preset control desks, for the remote control of 20 or 30 type JTM Thyristor dimmers, have generous and unique grouping facilities.
Fingertip control of precise intensity levels is provided by two dimmer levers for each dimmer channel. These are arranged one above the other in the two 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 both 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 the other preset for this frequent requirement.



One of these desks and type JTM Thyristor dimmers combine to provide an inexpensive remote lighting control for small stage lighting installations in schools, colleges and community theatres. The low cost permits each lighting source to have its own dimmer which, with intensity presetting control, is essential for truly flexible lighting; flexible control of variable groups of lighting is provided by the facility for grouping to the master faders.
The same grouping facilities, but on 3-preset low-back desks, are also available for larger scale installations.

If space is at a premium the angled operational area can be reversed in its housing to allow wall-mounting.



Type SP.20 20 control channels. Weight 35 lb. (16 Kilos)

Type SP.30 30 control channels. Weight 38 lb. (17·3 Kilos)

SPECIFICATION

The desks, for remote control of type JTM 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° and be reversible to allow either table or wall-mounting. The four rubber feet shall be removable for wall-mounting. A 2-in (50mm) 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 two push buttons 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 on both dimmer levers. The two rows of dimmer levers shall be inter-connected in a 2-preset network.

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 2½-in (60mm) and this shall be clearly graduated from 0 through to 10 with half divisions indicated. Each lever shall be fitted with a white 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 black and the white latching push buttons to each dimmer channel shall group the two 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 both dimmer levers shall be inoperative.

The four 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 3¼-in (80mm). Each master fader shall be fitted with a cartridge fuse and 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 blacks.

Models shall be identified as follows:

Type SP.20 20 control channels.

Type SP.30 30 control channels.

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

CONTROL WIRING

One Ref 604 (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 rack(s). The 3-conductor cable (5 amp at supply voltage) is for terminals A, B and E and the 12-conductor cables (5ma at 24V) is for ten consecutively numbered terminals and terminal C.