



INSTALLATION INSTRUCTIONS

SP3/1

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SP 3-PRESET CONTROL DESKS

1. SITING

The control desk should be sited where the operator will be able to see the whole acting area from the same point of view as the audience. In a theatre this demands a room at the rear of the auditorium, but in a television studio a picture monitor is more important than a direct view of the studio floor. Localised lighting of the control should be provided. Where used in a room with a view through a window, care should be taken with the angle of the glass and the positions of the lighting and control desk in order to ensure that confusing reflections do not impede the operator's view in dark scenes. Equal care is necessary to ensure that the glass does not act as a mirror to the actors, as such a bright reflection at the rear of a darkened auditorium can be an annoying distraction to the actors.

2. MOUNTING

The two end sections, which form the legs of the free-standing desk, and the rear bracing panel, are removable to reduce bulk for air or sea shipment and to allow the desk to be manoeuvred through awkward passages when on site. The end sections are each joined to the base of the desk-top by four nuts and bolts (see Internal Access below) and the rear panel is bolted between the two end sections.

3. INTERNAL ACCESS

Access to the control terminals is by hinging upwards, one at a time, the rear-hinged panels of three rows of 20 dimmer levers. These panels are secured by large mushroom-headed bolts immediately below the bottom full row of dimmer levers. Each panel is provided with a tie to limit the amount of movement of the panel past the vertical. Only one panel at a time should be lifted past the vertical. Virtually all the internal wiring is contained on the back of these panels and care should be taken not to disturb this wiring. A cable entry, with coverplate, is provided at each end of the base of the desk-top, within the thickness of the end leg sections.

4. CONTROL CONNECTIONS

The control terminals are in the base of the desk-top. The numbered terminal blocks are grouped to correspond with the 20-channel dimmer racks. Two Ref. 602 (or equivalent) 3-conductor cables are required, one from the Rank Strand dimmer rack for channels 1-20 and the other from the rack for channels 21-40; also two Ref. 601 (or equivalent) 12-conductor cables between the desk and each dimmer rack.

These control cables interconnect like-labelled terminals at the desk and dimmer racks. The two 3-conductor cables (1 amp. at supply voltage) are for the two sets of terminals A, B and E. The two 12-conductor cables (5mA at 24v) are for twenty consecutively-numbered terminals and the C terminal of each rack (there are therefore three spare conductors). The recommended colour sequence for Ref. 601 12-conductor cable is as follows:-

White, Slate, Brown, Red, Red/Blue, Red/White
Pink, Orange, Yellow, Blue, Violet, Black.

There is no external connection to the Technical Earth busbar within the desk.

When all connections have been made, remove all cable ends and pieces of insulation and carefully check the connections. Check that no surplus strands of cable are lodged in the components on the printed-circuit cards and that these are firmly in their sockets. Check that the two internal transformers are correctly tapped for the supply voltage (derived from the first two racks via A, B, E terminals). Remove the pair of keys, taped to the base of the desk-top, and hand to the management. Ensure that all panels are secured with the mushroom-headed bolts.