SP 2-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 desk-top unit can be free-standing on a table or firm shelf, or is adaptable to wall-mounting. For wall-mounting the front panel is carefully reversed (see Internal Access) in the enclosure and the rubber feet are removed to provide the fixing holes.

3. INTERNAL ACCESS

Access to the control terminals is by releasing the large mushroom-headed bolts at the corners of the operational area and then carefully lifting the entire panel just clear of the enclosure. Virtually all the internal wiring is on the back of the panel with a short preformed cable to the control terminals, and other components, mounted on the base of the enclosure. The cable entry plate is on the right-hand side of the enclosure when used as a desk-top unit, but on the left-hand side when wall mounted.

4. CONTROL CONNECTIONS

The control terminals are in the base of the enclosure. One Ref. 602 (or equivalent) 3-conductor cable is required between the desk and the lowest-numbered Rank Strand dimmer rack; also one Ref. 601 (or equivalent) 12-conductor cable between the desk and the appropriate rack for each multiple of ten dimmer channels.

These control cables interconnect like-labelled terminals at the desk and dimmer rack(s). The 3-conductor cable (1 amp. at supply voltage) is for terminals A, B and E and the 12-conductor cable (5mA at 24v) is for ten consecutively-numbered terminals and the C terminal of each rack. The recommended sequence of colours for Ref. 601

12-conductor cable is as follows:-

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

If two 12-conductor cables are used for a 20-channel rack there will be three spare conductors.

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 internal transformer is correctly tapped for the supply voltage. Carefully replace the panel and securing bolts after removing the pair of keys, taped to the base of the enclosure. Hand the pair of keys to the management.