

## Mini 2+



From Rank Strand Electric Stage Lighting Brochure, 1975



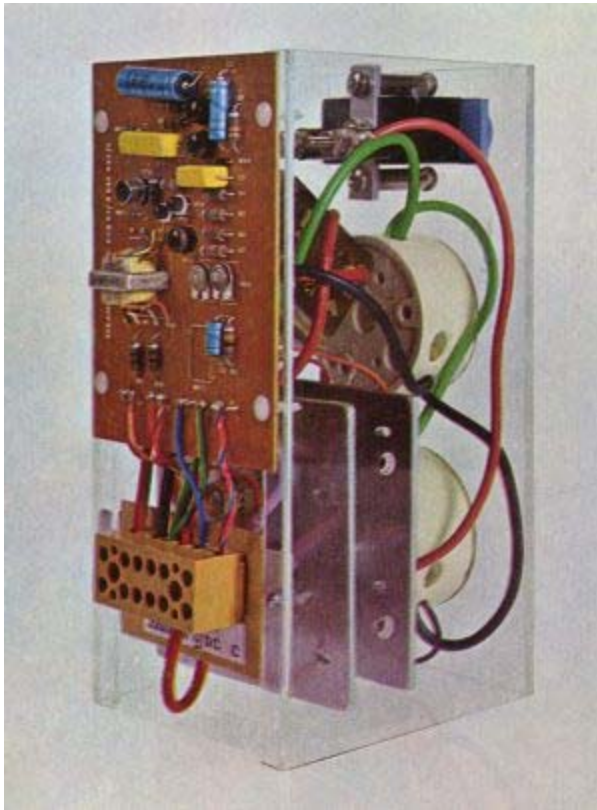
The Mini-2 range allows a complete break-away from the load-dependent, limited load capacity resistance dimmers and the primitive control facilities of all direct-operated switchboards.

The compact control desks, for 24, 18, 12 or just 6 channels simply plug-in to the required number of 6-dimmer packs, each Thyristor dimmer controlling up to 2000 Watts of tungsten lamp load through twin socket outlets. For remote operation the 2m control cable to each dimmer pack can be extended by a 10m or 30m plug-in extension cable.

The control desks for 24, 18 or 12 dimmer channels have two sets of dimmer levers, each set with a master fader, so that precise intensity levels can be preset in advance of the lighting in use. The two separate master faders allow a gradual changeover or a lap change from one preset to the other, or for one preset to be added to the other.

Each dimmer pack contains six 60 watt minimum to 2000 watt maximum variable-load Thyristor dimmer modules and a common power supply module. As each pack is self-contained, requiring only a 220/250V 50Hz power supply, each pack can be placed wherever it is most convenient for plugging-in and/or patching the 220/250V tungsten lamp load circuits. The only restriction is that the ventilation louvres in the base, spaced by rubber feet, and the back must not be obstructed. An 8-pin socket to mate with the control cable from the desk is provided in the right hand end; also a large capacity cable grip for the incoming supply which must include an earth continuity conductor. The rear cover is removable to provide access to the supply terminals and to internal distribution wiring.

### MINI-2 THYRISTOR MODULE



Each dimmer module has a pair of Thyristors mounted on heat sinks, one for the positive and one for the negative half cycle of the 50Hz supply. The signal to the gate connection of each Thyristor determines the amount of each half cycle that is conducted; these signals are derived from the printed circuit trigger card. The trigger card also isolates the desk control signal from the load circuit and permits master control and presetting facilities. The dimmer module is fitted with a quick-acting HRC fuse to give full load fault protection, also a substantial inductive filter, and twin socket outlets for the controlled output.