



THYRISTOR DIMMERS

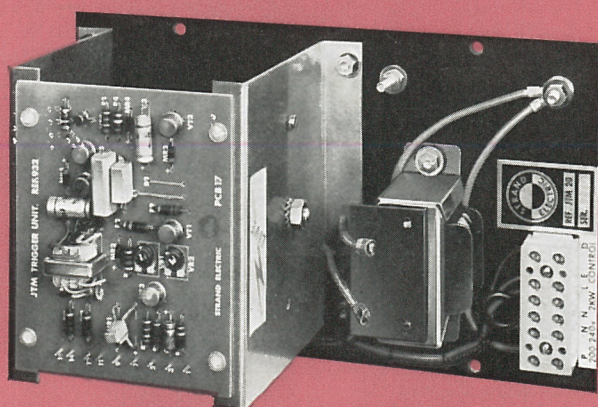
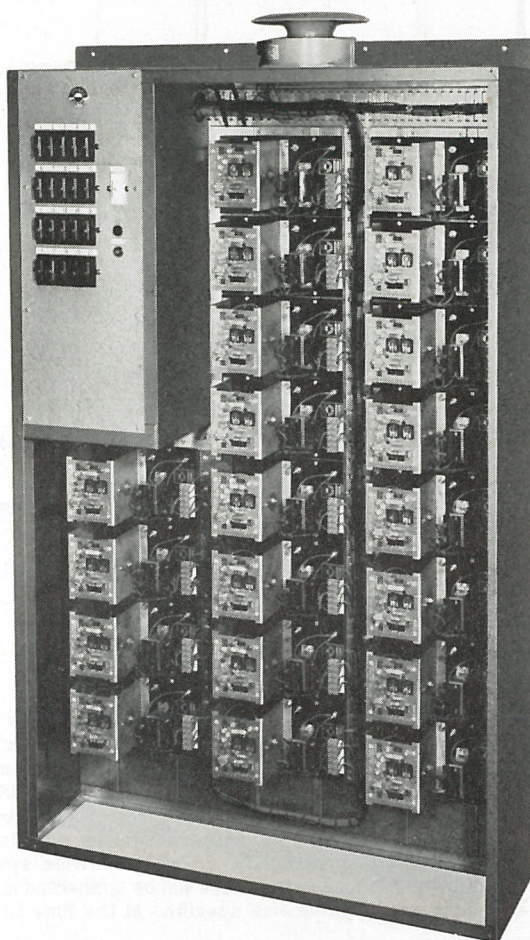


Type JTM Dimmers & Racks

2000W; 1000W; 5000W max.
200/250v 50Hz.

These inexpensive variable-load dimmers are housed in compact 20-channel or 10-channel racks. Each rack is totally enclosed and is internally wired to a distribution point located behind the hinged panel which is fitted with shrouded-contact, colour-coded H.R.C. fuses. Each dimmer is a self-contained unit complete with inductive filter. The pair of Thyristors (controlled rectifiers) will control any single or combination of tungsten filament lamp loads between 60-watt and the maximum rating of the dimmer. Response to the minute remote control signal is immediate and therefore the functions of dimming and switching are combined and depend only on the rate of change of the control signal.

These Strand dimmers, together with preset control systems providing operational facilities suitable for the size of the installation, are already in daily use in hundreds of professional, amateur and college theatres. The 2000W and 5000W sizes are now also available for small television studios.



The pair of load-carrying Thyristors, one for the positive half-cycle and one for the negative half-cycle of the supply are mounted on generous heat sinks and are both in series with a substantial iron-cored filter. The Thyristors are rated for the full tungsten filament lamp surge current. Each dimmer generates its own power supplies for the printed circuit trigger unit which has trimming adjustments for blackout and full-on. To simplify the provision of the essential pre-setting and mastering control facilities the control signal input to the trigger unit is completely isolated from the load circuit.

Single Thyristor dimmers, in individual wall-mounting boxes, are also available for the control of auditorium, presentation and display lighting.