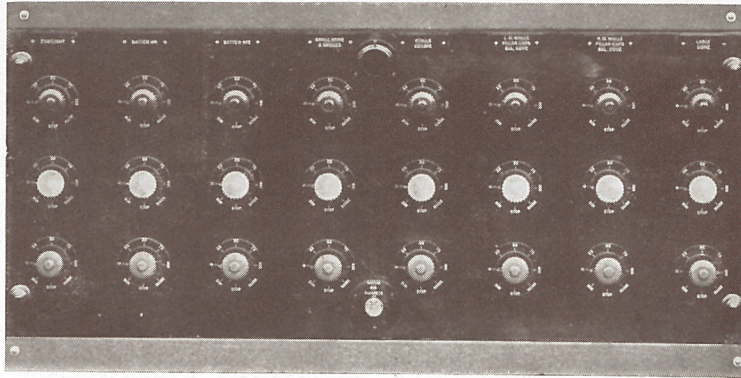


STRAND REMOTE CONTROL



THE STRAND PATENT MAGNETIC CLUTCH

DIRECTION CONTROL

The remarkable achievement of Strand Electric in the field of remote and automatic dimmer control is very largely due to the Strand Patent Magnetic Clutch. The importance of this device in this field cannot be emphasized too much. With its aid any number of dimmers can be controlled to drive in either direction from a shaft revolving continuously in one direction, the shaft being operated by an electric motor or by hand.

RESPONSE

Prior to this invention it has always been necessary to operate each dimmer with its own reversing motor. Not only is this more expensive but also quite unreliable. Owing to the momentum, which is inseparable from a motor, accuracy of stopping is impossible. The magnetic clutch stops absolutely dead when the current is switched off. Furthermore, it can be reversed as rapidly as it is humanly possible to operate the reversing switch. This is made great use of in the Light Console. An electric motor would tear itself to pieces under such conditions.

SPEED CONTROL

Use has been made of this property of lack of momentum in the clutch by Strand Electric Engineers to design a special form of speed control (Patent applied for). This speed control was introduced in the Light Console but is now available for all forms of remote control.

POSITION CONTROL

Above is shown a preset control panel whereby the dimmers can be preset to stop accurately at the positions shown on the dial. Furthermore a second dial presets the time taken by the dimmer to arrive at that position. Thus the intensity and the time taken by each circuit to arrive at that intensity can be preset. Meanwhile, in spite of the various speeds and directions on the dimmers, the common motor rotates at a constant speed in the same direction.