

ENVIRON 2·STRAND'S NEW CONCEPT IN DIMMING

Think first of an ordinary electric wall plug and socket and second of a box of chocolates.

Whatever have these got to do with dimmers?

Up to now if one wanted to dim several different circuits, loaded to varying capacities and incorporating both tungsten and fluorescent fittings, then a special rack had to be made. This not only involved extra costs, but it also meant a delay of up to eight weeks while components were obtained and the special rack was manufactured. From today these delays are things of the past.

Our new ENVIRON 2 dimmers overcome these problems by their design.



The Plug and Socket

Each dimmer consists of a base unit moulded in strong plastic, and the appropriate dimmer is then literally "plugged in" to the base. Special prongs on the back of the dimmers connect to busbars in the base units, which have two separate runs of trunking incorporated, one for mains and one for control cables.

Dimmers available

Three capacities of dimmer in both tungsten and fluorescent formats are offered. 1.4kW, 4.0kW and 8.0kW. Both Tungsten and Fluorescent and Pre-setting (automatic) and manual. All dimmers are available with Reyrolle or Diazed fuses.

The Box of Chocolates

You take one raspberry creme, one coconut ice and one caramel centre – or perhaps more to the point, imagine a Town Hall dimming project needing one 1.5kW tungsten dimmer to control the Mayor's office, two 4.0kW fluorescent dimmers to handle the lighting in the computer area – where VDU's have to be watched, so the lighting must be under – and one 8kW tungsten dimmer for the chandelier in the Town Hall ballroom.

Just four from the Store

Your local Strand ENVIRON agent, anywhere in the world, will have stocks of each type of dimmer with their base units. So it simply becomes a matter of handing the electrical contractor the correct four boxes.

The bits and pieces that make it easy

To make installations quick and simple we have designed pre-drilled and threaded metal channels – called Strandrail – to which the base units are fixed. For large installations handling heavy current special termination chambers are available.

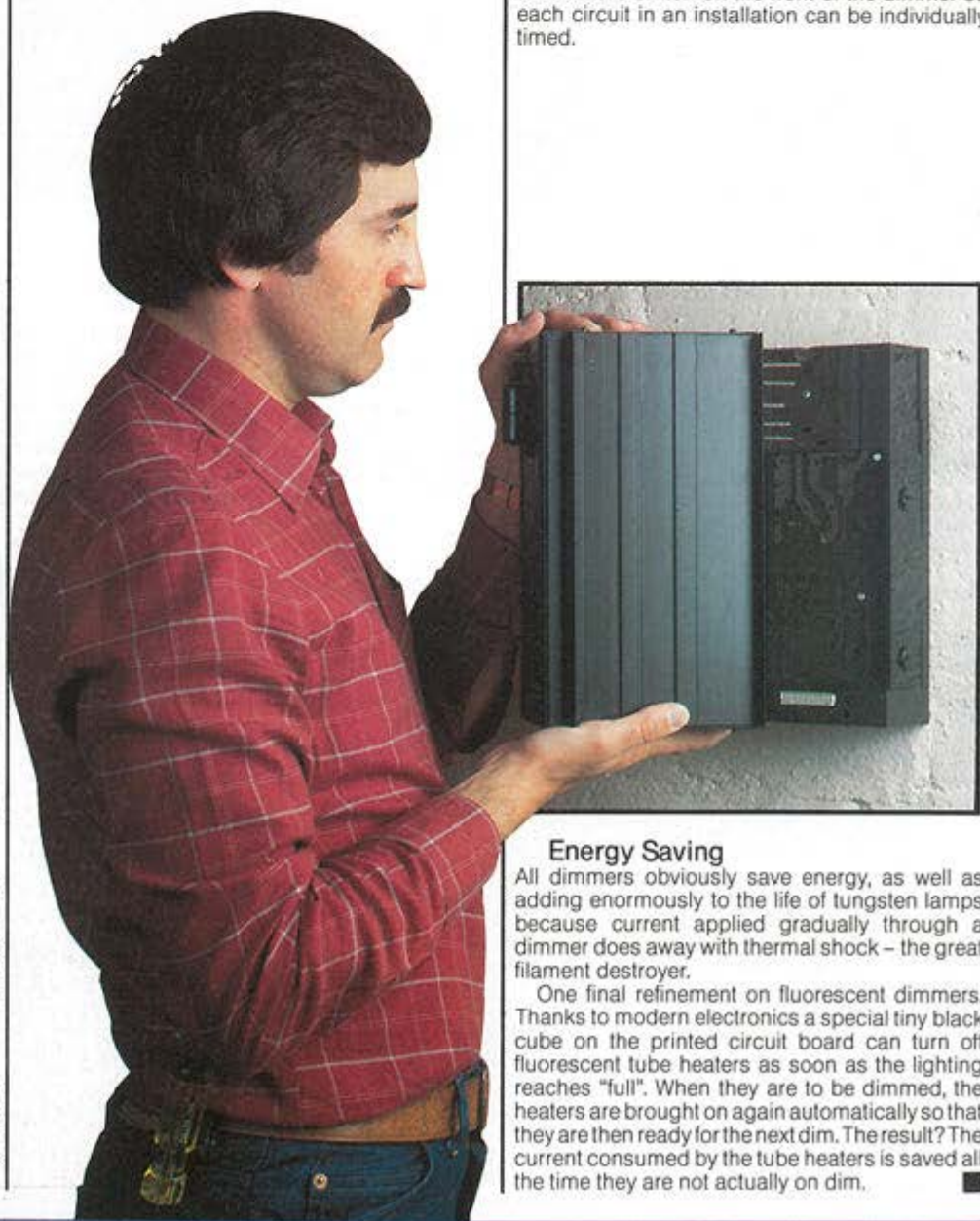
Alternatively, and for heavy loadings, special clip-on bus bar connectors can be used between each base unit.

The part you see

A full range of outstations is offered, now including 'up-stop-down' in addition to rotary and slider faders and presetting pushbuttons.

Dual Timing

Dual range timing is a standard ENVIRON 2 feature. This means that the 'lights up' time can differ from the 'lights down' time over two ranges. 0.3 seconds to 40 seconds or 30 seconds to 7 minutes. The choice is simply made by operating a miniature switch on the front of the dimmer so each circuit in an installation can be individually timed.



Energy Saving

All dimmers obviously save energy, as well as adding enormously to the life of tungsten lamps because current applied gradually through a dimmer does away with thermal shock – the great filament destroyer.

One final refinement on fluorescent dimmers. Thanks to modern electronics a special tiny black cube on the printed circuit board can turn off fluorescent tube heaters as soon as the lighting reaches "full". When they are to be dimmed, the heaters are brought on again automatically so that they are then ready for the next dim. The result? The current consumed by the tube heaters is saved all the time they are not actually on dim.