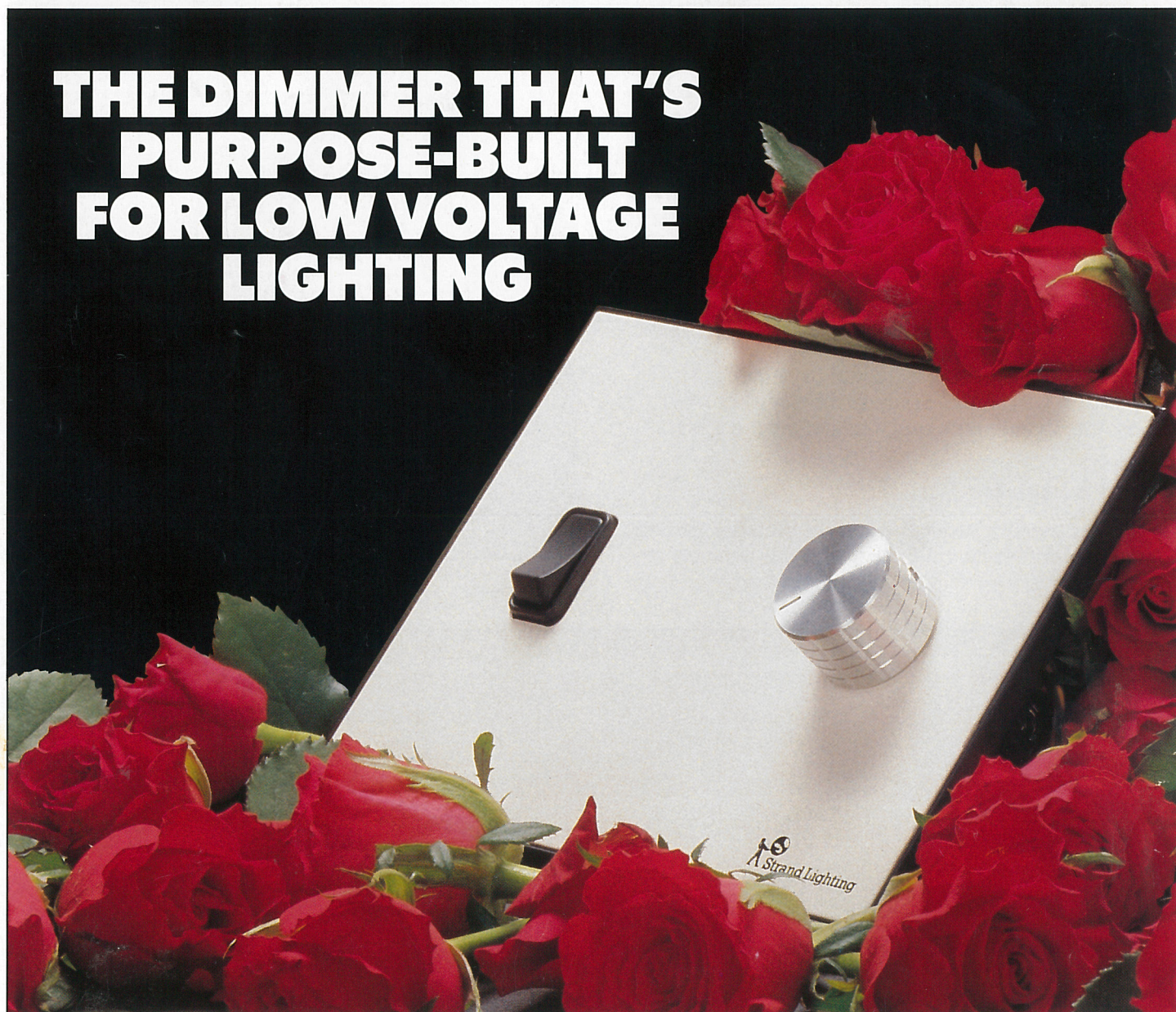


**NEW**

# FINESSE

**THE DIMMER THAT'S  
PURPOSE-BUILT  
FOR LOW VOLTAGE  
LIGHTING**



Designed around the familiar format of the ordinary 'dimmer switch', Finesse LV is in fact a far more sophisticated unit, designed specifically for use with low voltage lighting — and offering all these advantages:

- 'Soft-start' brings lights on gently to help prolong lamp life.
- Unique detection circuit prevents damage to transformers.
- Suitable for loads between 100VA and 1,000VA.
- Requires no neutral and so may be used in place of a normal light switch.
- Simplified version Finesse B is also available for tungsten (mains voltage) loads.



**Strand Lighting**



## How Finesse extends lamp life and saves energy

Using Finesse dimmers can dramatically improve the life of low voltage (or other) lamps. By extending the 'switch-on' time of the dimmer over a number of mains cycles, the Finesse 'soft-start' circuit substantially reduces thermal shock to lamp filaments. Finesse extends lamp life in three ways:

1. 'Soft-start' reduces switch-on stress.
2. The dimmer's 'full' adjustment is factory set at 95% to slightly under-run lamps, without being visually noticeable. This 5% reduction effectively doubles average lamp life.
3. The act of dimming itself helps prolong lamp life, as well as reducing energy consumption.

## How Finesse LV protects transformer-fed loads

Finesse LV is designed to dim low voltage lighting by controlling the supply to the primary side of the load transformers.

To do this safely the dimmer employs a unique 'asymmetry detection' circuit which constantly monitors the output waveform to ensure that an incorrect signal is not applied to the transformers.

In the event of any substantial asymmetry occurring, a secondary device is driven full on, to bypass the dimmer triac and thus protect the load.

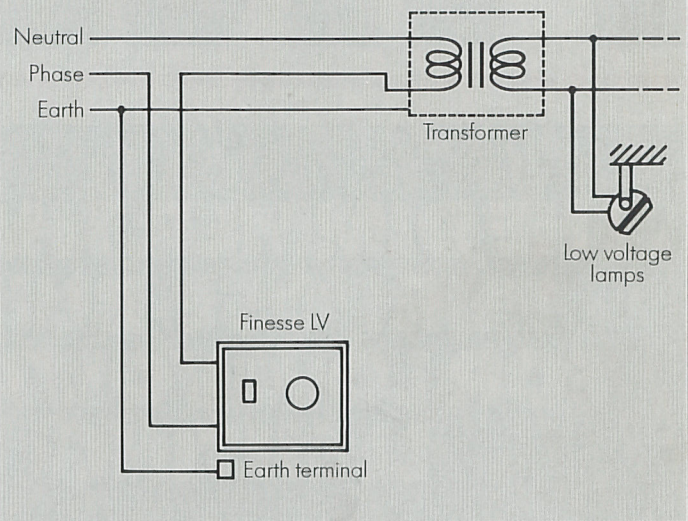
## Finesse Faceplates

Faceplates are magnetically fixed, and held in position within a black retaining bezel. All Finesse dimmers are supplied with a white faceplate as standard.

## Installation

Finesse is wired 'in line' with the supply in place of a normal light switch. An earth is required at the dimmer, but no neutral. The dimmer fits into a standard flush 2-gang backbox, horizontally aligned in the wall.

### WIRING DIAGRAM



## Ordering Information

Description	Cat No.	Net Trade* Price
<b>Finesse LV</b>	09 012 05	£59.50
<b>Finesse B</b> (for tungsten loads only)	09 013 06	£47.50

\*Net Trade Price 1st February 1990. Supplied individually packed complete with instruction leaflet.

## SPECIFICATION

### Supply

220-240 Volts ( $\pm 10\%$ ), 50Hz ( $\pm 6\%$ ). Single phase supply plus earth. Protected by an integral 6.3 Amp HRC cartridge fuse.

### Permissible Loads

	Min	Max
<b>Finesse LV</b>	100 VA	1,000 VA
<b>Finesse B</b> (tungsten loads only)	100 W	1,000 W

Note that for inductive loads, allowance should be made for losses within the transformer(s). Stated maximum values include both transformer losses and load connected to 'fixed' terminal (if any).

Finesse B is for tungsten (mains voltage) loads only. Neither version is suitable for fluorescent loads (see Strand Lighting's other ranges of dimmers).

### Cable Size

Max. conductor size: 2.5mm<sup>2</sup>. Provision for looping on the input.

### Dimensions:

Fascia external: 110mm(h) x 147mm(w). Depth: see below.

### Backbox

The dimmer is suitable for flush mounting into a UK standard 2-gang backbox (not supplied) horizontally fixed in the wall. Allow for a 47mm depth box, although the dimmer will fit into some 35mm boxes, but **only** if the box's earth terminal is located in its top right or bottom left corner. The backbox earth terminal **must not** be removed or left unconnected.

### Standards

Electrical safety in accordance with IEC 65/415. RFI suppression complies with BS 800 and VDE 0875. Meets requirements of BS 5518 and BS 6667.

### The 'fixed' Terminal

In addition to the dimmed output terminal, an extra terminal is available marked 'fixed'. This provides a full mains voltage output whenever the dimmer is switched on. If wished, an extra (undimmed) load may be connected to this, provided that the total overall load remains within 1KVA.



# Strand Lighting

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