

# DIMMERS & CONTROLLERS



Type RV5

## Manual Dimmers :

### Wide range of capacities available

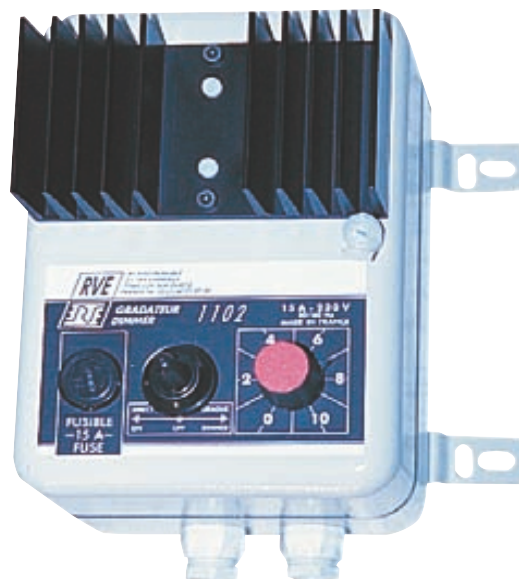
Some self contained, others for wiring to external controls  
The RV & 'numbered' Models are for non-power factor corrected transformers, fluorescent lamps or incandescent lamps.

The TR models are for trailing edge dimmers suitable for electronic transformers.

We can also supply different 0-10V control units and dimming systems - please call to discuss your requirements.

Below is a selection of the dimmer models available :

Type	Capacity	Size (mm)	Part No.
RV5	4-5A, with rotary control knob to be mounted separately. Can be slaved together in multiples. Can be used with 0-10V control systems.	90x90x55	9603
RV10	8-10A Version of the above	144x102x56	9608
RV15	12-15A version of the above	144x102x56	9609
TR5	For Electronic Transfers. 4-5A, with rotary control knob to be mounted separately. Can be slaved together in multiples. Can be used with 0-10V control systems.	144x102x56	960C
TR10	8-10A version of the above	144x102x56	960D
703	2200W / 6-9A, watertight case with controls mounted on the front.	182x200x145	9602
1102	3300W / 10-14A, watertight case with controls mounted on the front	182x200x145	9605
633BP / 633	5500W / 22A - in watertight IP55 box (also available in modular format to be built in)	350x200x130(BP version) 240x161x130	9606(BP)



Type 703

## ELECTRONIC FLASHERS

Please note that special requirements may be necessary when using these products with transformers requiring Earth Leakage Protection. Please call for more advice.

**OTHER TYPES ARE AVAILABLE - PLEASE CALL FOR FULL DETAILS!**

### Integrated Flashers :

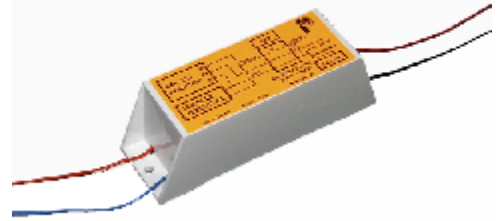
Low cost. For use inside signs

ABS watertight case IP643

Inputs & outputs by bonded in cables

Choose either 'Slow' (1 sec./1 sec.) or 'Fast' (0.5 sec./0.5 sec.) fixed speed

3 Year warranty



Type	Capacity	Size (mm)	Part No.
Type 489L & 489R	1 x 1.5A, L=slow R=fast	100x35x31	9611 & 9612
Type 416L & 416R	1 x 2.5A, L=slow R=fast	120x50x50	9613 & 9614
Type 417L & 417R	2 x 2.5A, L=slow R=fast	120x50x50	9621 & 9622

### Promo 2000 Series Flashers :

ABS Watertight box IP555

Cable entries by cable glands

Adjustable speed 0.1sec. to 1.5sec. per step

Zero cross system

Outputs for any type of load

5 year warranty



Type	Capacity	Size (mm)	Part No.
491	1 x 5A, On/Off	150x86x58	9610
492	2 x 5A, Alternating	150x86x58	9620
471	1 x 6A, On/Off with 'Full On' switch connections	150x86x58	9616
470	1 x 12A, On/Off with 'Full On' switch connections	150x86x58	9615
472	2 x 6A, On/Off with 'Full On' switch connections	150x86x58	9623
474	2 x 12A, Alternating with 'Full On' switch connections	177x175x90	9626

### Promo 2016 Series Flasher :

**16 selectable programs for 3 & 4 channels**

ABS Watertight box IP555

Cable entries by cable glands

Adjustable speed 80msec. to 1.5sec. per step

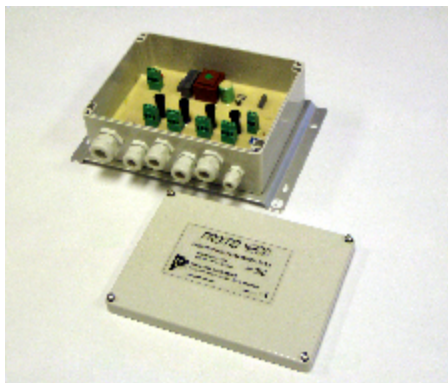
Zero cross system

Outputs for any type of load

5 year warranty



Type	Capacity	Size (mm)	Part No.
419	3 or 4 x 2A	150x86x58	9640



### Promo 4200 & 6000 Series Flashers :

#### 64 selectable programs for 4, 5 or 6 channels

ABS Watertight box IP555  
 Cable entries by cable glands  
 Adjustable speed 80msec. to 1.5sec. per step  
 HBC fuse protection for each channel  
 Zero cross system  
 Outputs for any type of load  
 5 year warranty

Type	Capacity	Size (mm)	Part No.
404	3 or 4 x 6A	250x175x85	9644
414	5 or 6 x 6A	177x175x90	9662



### Promo 2000, 4200E & 6200E Series Flashers with Built In Earth Leakage Protection :

#### EN50107 compliance when used with neon transformers with 'e' terminals

Other specifications as per Promo 2000, 4200 & 6200 models  
 In the event of an earth fault with one of the transformers, the built in earth leakage trip switches off the supply to the flasher.  
 5 year warranty

Type	Capacity	Size (mm)	Part No.
461	1 x 6A, On/Off	177x175x90	9617
462	2 x 6A, Alternating	177x175x90	9625
405	4 x 6A, 64 programs	300x190x100	9645
415	6 x 6A, 64 programs	300x190x100	9661

### Earth Leakage Protection Switches :

#### EN50107 compliance when used with neon transformers with 'e' terminals

In the event of an earth fault with one of the transformers, the earth leakage trip switches off the supply to the transformer. Use with flashers, dimmers and for updating old signs.  
 3 year warranty

Type	Capacity	Size (mm)	Part No.
440	6A - 2 x 'e' connections	100x35x31	96ELS6A
450	25A - 4 x 'e' connections, IP55	150x86x58	96ELS25A

### Promo 2006 & 4006 Programmer + Dimmers :

#### Multi-program flashers with built in dimmers, which allow the lighting limits to be adjusted, together with cross fade & other automated dimming effects

16 programs, Adjustable speed, Adjustable dimmer level. These products should not be used with transformers with integrated Earth Leakage Protection. Please call for more advice.  
 5 year warranty

Type	Capacity	Size (mm)	Part No.
496	2 x 6A	177x175x90	9624
497	4 x 6A	177x175x90	9643

**OTHER TYPES ARE AVAILABLE - FULL DETAILS ON REQUEST!**