



Wireless

data sheet

## RDL500L

500W LEADING EDGE DIMMER



### WHAT IS IT ?

A compact 500w RF dimmer designed to control table and free standing lamps, without the need for separate 5 amp lighting circuits.

The dimmer is connected in-line between the mains plug and the light fitting, to enable dimming of up to 500w of leading edge dimmable loads.

Controlled from any Rako Rakom RF device, for example the RCM/RCP push button RF wall plate.

The RDL500L in-line RF dimmer for free standing lamps and other moveable light fittings



### FLEXIBLE CONTROL

Designed to fit in-line with the mains flex of a free standing lamp, the RDL500L inductive dimmer can control up to 500 watts of mains dimmable lighting loads. Unlike the RDL500C, the L version has a discrete internal aerial and black translucent casing.

The robust microprocessor design combines smooth reliable dimming with dynamic safety features such as auto-resetting over current, temperature shutdown and voltage surge protection.

Programmed using either an RCM/RCP RF wallplate or the RASOFT PC software suite, the unit stores the house, room and channel address plus four preset scene levels in non volatile memory.

The RDL500L dimmer can be controlled from any Rako transmitter such as RCM/RCP wallplates, RAH hand helds, TCM timeclock modules and is the ideal accessory to any Rako scene-set system.



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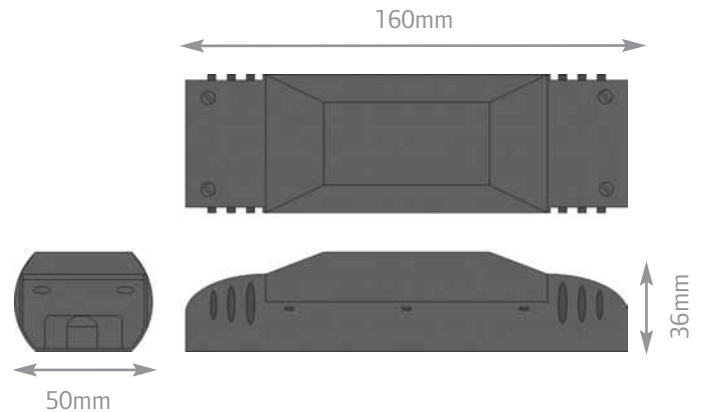
500W LEADING EDGE DIMMER



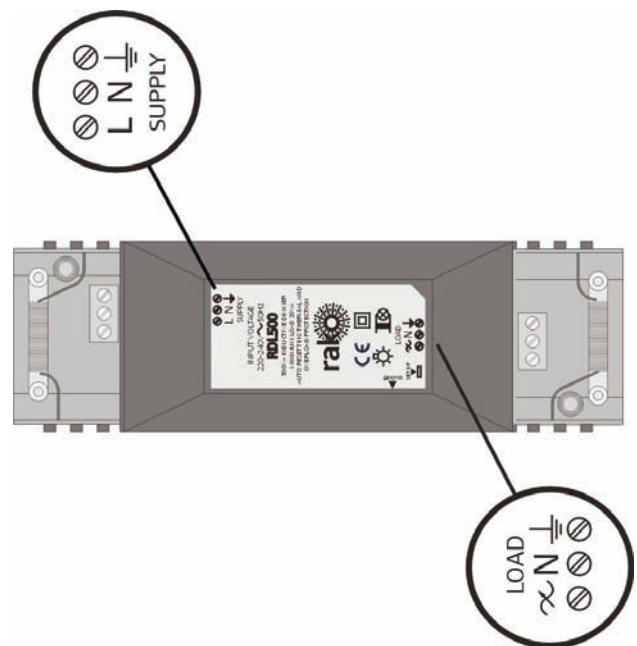
### technical data

dimensions	160x50x36mm
input supply	230V AC +/-10% 50Hz
weight	125g
housing	UL V0 material
climate range	Temperature +2C to +40C Humidity +5% to 95% non condensing
connections	3 way screw terminals for mains power
protection	Auto resetting over current protection Auto thermal shutdown Voltage surge protection
load types	Incandescent mains voltage lamps, Tungsten halogen GU10 lamps Leading edge dimmable LV transformers Leading edge dimmable cold cathode
minimum load	20w
maximum load	500w/450va
terminal sizes	1.5mm <sup>2</sup> - Stranded 2.5mm <sup>2</sup> - Solid
standards	Emissions - EN61000-6-3 : 2001 Immunity - EN61000-6-1 : 2001
communication	Rakom coded fm radio, 433.9MHz
memory	Flash memory (non volatile)

### mechanical data



### connection details



telephone +44 (0) 1634 226666 fax +44 (0) 1634 226667 [www.rakocontrols.com](http://www.rakocontrols.com)

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