



Wireless

data sheet

RDL500C

500W LEADING EDGE DIMMER



WHAT IS IT ?

A compact 500w RF dimmer designed to fit through the aperture of a standard low voltage down light fitting.

The dimmer is connected in-line before the first 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 RDL500C in-line RF dimmer for Tungsten, Low Voltage Halogen and other leading edge dimmable loads



IN CONTROL

Designed to fit in a ceiling void or cupboard, the RDL500C inductive dimmer can control up to 500 watts of mains dimmable lighting loads. The unit can also be used for exterior lighting control applications, with the use of a weatherproof IP rated enclosure.

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 RDL500C dimmer can be controlled from any Rako transmitter such as RCM/RCP wallplates, RAH hand helds, timeclocks and forms the foundation of any Rako scene-set system.



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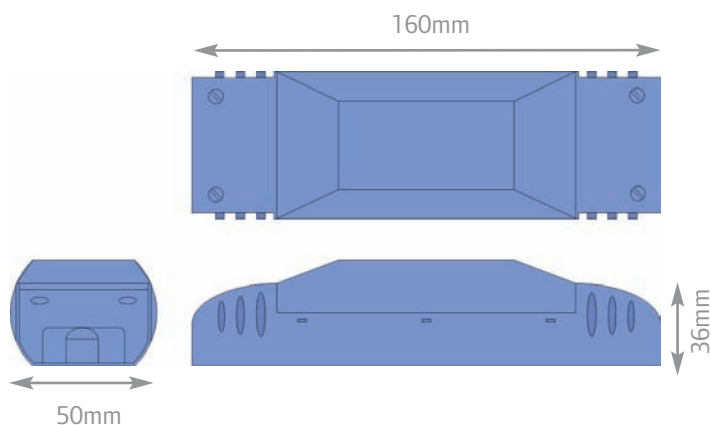
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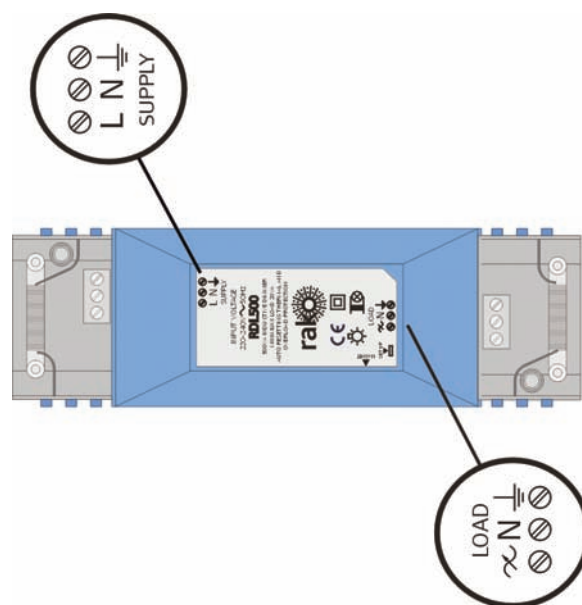
technical data

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 ² - Stranded 2.5mm ² - 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



wiring schematic



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