

## DATA SHEET

# RDT500C

500W TRAILING 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 trailing edge dimmable loads.

Controlled from any Rako RAKOM RF device, for example the RCP07W push button RF wall plate.

The RDT500C in-line RF dimmer for Tungsten, Low Voltage Halogen and other trailing edge dimmable loads



### IN CONTROL

Designed to fit in a ceiling void or cupboard, the RDT500C 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 RDT500 dimmer is recommended for use with GU10 lamps due to its better protection against the harsh short-circuits these lamps can give when they fail.

Being trailing edge the RDT500 offers quiet dimming with most electronic transformers and can dim those only suitable for use with trailing edge dimmers.

NOT SUITABLE FOR INDUCTIVE OR WIRE WOUND LOADS.

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 RCP07 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 RDT500C dimmer can be controlled from any Rako transmitter such as RCP wallplates, RAH hand helds, MB1 timeclocks and forms the foundation of any Rako scene-set system.

## DATA SHEET

# RDT500C

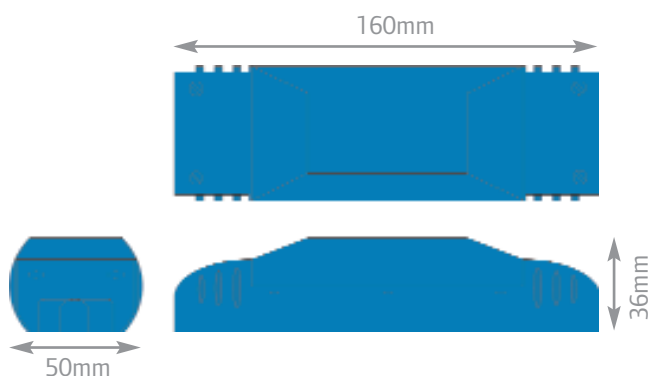
500W TRAILING EDGE DIMMER



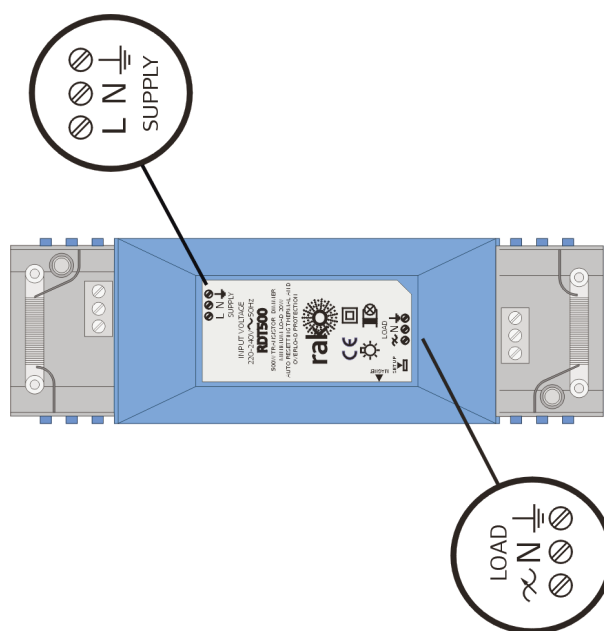
### TECHNICAL DATA

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 Trailing edge dimmable LV transformers
MINIMUM LOAD	1w
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)