



Combined  
data sheet

## RAK-4L

4 CHANNEL LEADING EDGE DIMMER RACK



### WHAT IS IT ?

A four channel dimming rack, designed to be wall mounted in an electrical cupboard.

Incorporating the latest dimming technology.

The dimmer has four separate dimming channels that can control a total of 4800w/4000va of leading edge dimmable lighting loads.

The RAK-4L requires a separate controller/receiver which connects using standard CAT5 RJ45 sockets.

Controlled from any Rako Rakom RF or WIRED device, for example the RCM or WCM push button wall plates.

The RAK-4L hybrid dimmer rack for tungsten, low voltage halogen and other leading edge dimmable loads



### CENTRAL CONTROL

RAK-4F dimmer units can be used as simple 4 channel packs or joined to form multi-way stacks. 8, 12 and 16 channels stacks can be formed using the wireless receiver RxLink or up to 32 channel stacks using the wired system RAKLINK.

The RAK-4L units are designed to be centrally located in an electrical cupboard, utility room or garage.

The RAK-4L leading edge dimmer can control up to 4800 watts of mains dimmable lighting loads.

Hard fired Triac design provides control of a multitude of lighting loads. Microprocessor control combines smooth reliable dimming with dynamic safety features such as auto-resetting over current, temperature shutdown and voltage surge protection.

The RAK-4L dimmer requires a separate Rako interface for control. Either the RF receiver (RxLink) or the WIRED controller (RAKLINK), these units communicate using a single CAT5 RJ45 patch lead.

The RAK-4L dimmer can be used seamlessly with other Rako modules, such as RDL in-line dimmers, RCM/RCP wallplates, RAH hand holds, timeclocks and forms the foundation of any Rako scene-set system.

Each RAK-4L box needs to be fed by a 20A Type B MCB.



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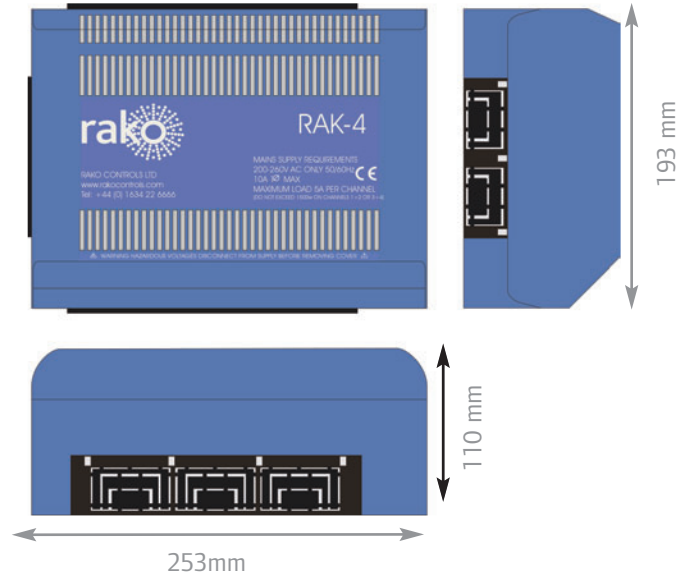
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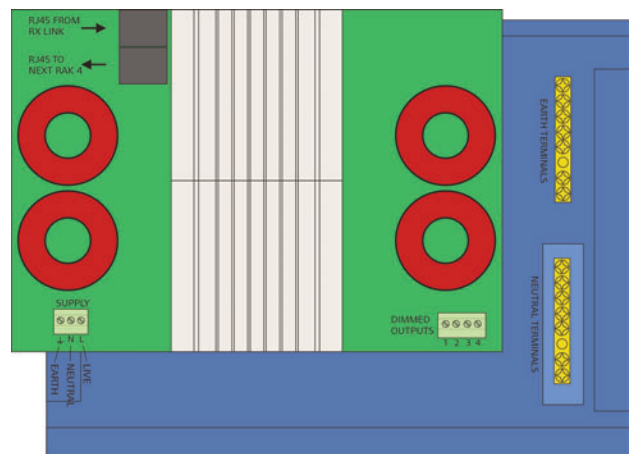
## technical data

dimensions	193x253x110mm
input supply	200-260V AC 50/60Hz 20A Type B MCB protection required
weight	5Kg
housing	Powder coated galvanised steel
climate range	Temperature +2C to +40C Humidity +5% to 95% non condensing
connections	3 way screw terminal for mains supply 4 way screw terminal for load outputs 2 RJ45 sockets for Rxlink or Rak-Link connection
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
minimum load	20w per channel
maximum load	Total box load - 20A, 4.8kw/4.0kva
terminal sizes	2.5mm <sup>2</sup> - Stranded 4.0mm <sup>2</sup> - Solid
cable entry	10x 20mm top and bottom
standards	Emissions - EN61000-6-3 : 2001 Immunity - EN61000-6-1 : 2001
memory	Flash memory (non volatile)

## mechanical data



## connection details



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