Combined

data sheet

RAK-4T

4 CHANNEL TRAILING 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. Hybrid IGBT design enables trailing edge control of lighting loads, quietly and smoothly.

The dimmer has four seperate dimming channels that can control a total of 2400w/2000va of trailing edge dimmable lighting loads. In parallel with the 4th dimmer channel is a separate switched relay channel for LEDs or Fans or other non dimmed loads.

The RAK-4T requires a seperate 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-4T hybrid dimmer rack for tungsten, low voltage halogen and other trailing edge dimmable loads

CENTRAL CONTROL

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

The RAK-4T trailing edge dimmer can control up to 2400 watts of mains dimmable lighting loads.

The unique hybrid transistor design provides virtually silent operation, ideal for residential installations. Microprocessor control combines smooth reliable dimming with dynamic safety features such as auto-resetting over current, temperature shutdown and voltage surge protection.

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

Each RAK-4 box needs to be fed by a 10A Type B MCB.

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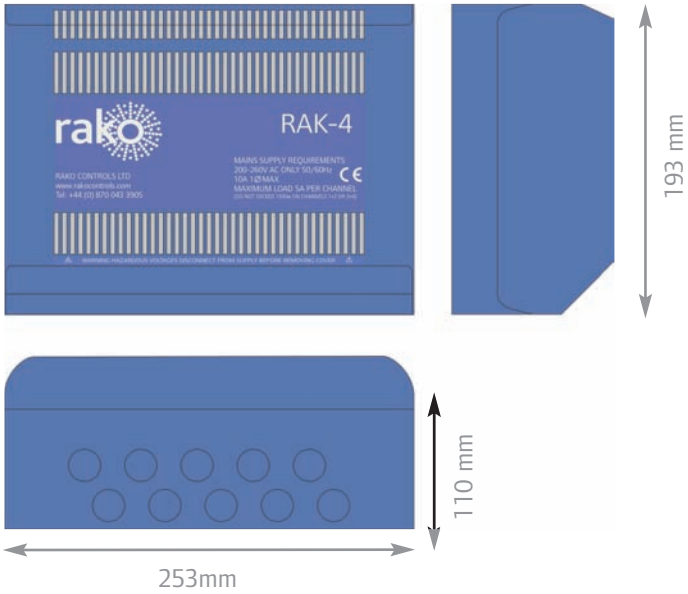
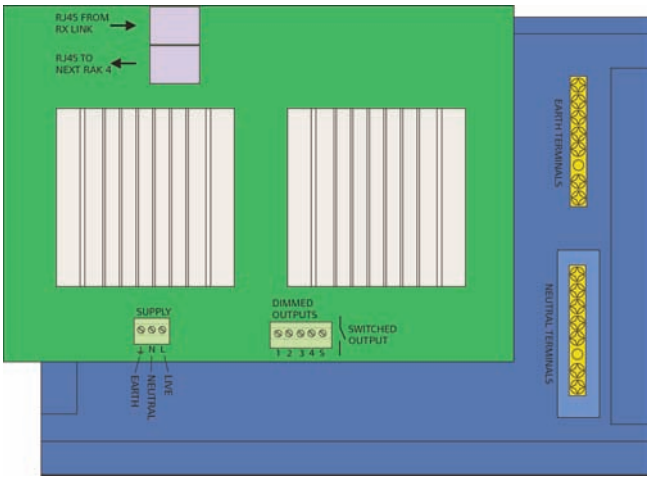
technical data

dimensions	193x253x110mm
input supply	200-260V AC 50/60Hz 10A Type B MCB protection required
weight	3.5Kg
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 5 way screw terminal for load outputs 2 RJ45 sockets for Rak-Link or RxLink connection
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 Mains dimmable LEDs S terminal for fans & other non dimmed switched loads
minimum load	4w per channel
maximum load	Total box load - 10A, 2.4kw/2.0kva Maximum load over 1+2 or 3+4 - 1.5kw
terminal sizes	2.5mm^2 - Stranded 4.0mm^2 - 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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