



Combined

data sheet

## RAK4-F

4 CHANNEL FLUORESCENT DIMMER RACK



### WHAT IS IT ?

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

Incorporating the latest dimming technology. Each of the four channels can independently control 0-10v or DLI dimmable lighting load or switched circuits.

The dimmer has four separate dimming channels that can control a total of 2400w of lighting.

The RAK4-F 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 RAK4-F hybrid dimmer rack for 0-10v and DLI dimmable lighting loads



### CENTRAL CONTROL

RAK4-F 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 RAK4 units are designed to be centrally located in an electrical cupboard, utility room or garage.

The RAK4-F 0-10v or DLI dimmer can control up to 2400 watts of dimmable lighting loads. Larger loads maybe controlled with the use of external mains contactors.

Microprocessor control combines smooth reliable dimming with dynamic safety features such as auto-resetting over current, temperature shutdown and voltage surge protection.

The RAK4-F 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 RAK4-F dimmer can be used seamlessly with other Rako modules, such as RML and RMT in-line dimmers, RCM or WCM wallplates, RAH hand helds, timeclocks and forms the foundation of any Rako scene-set system.

Each RAK4 box needs to be fed by a 10A Type B MCB.



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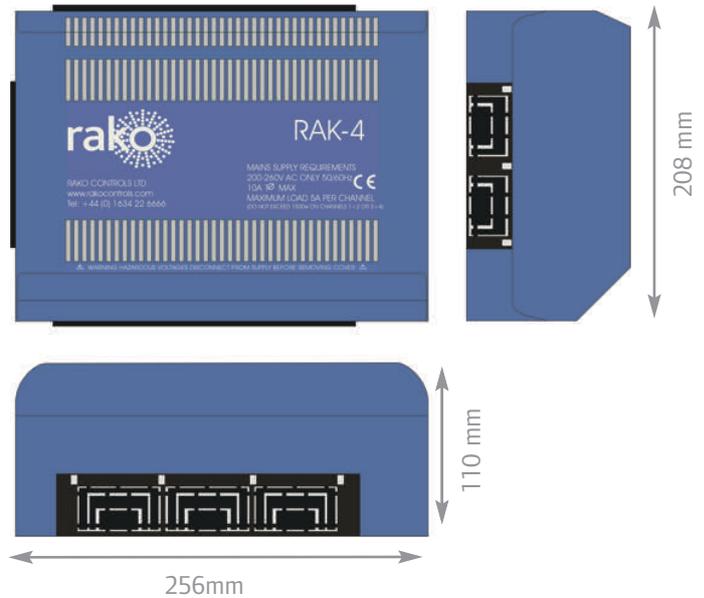
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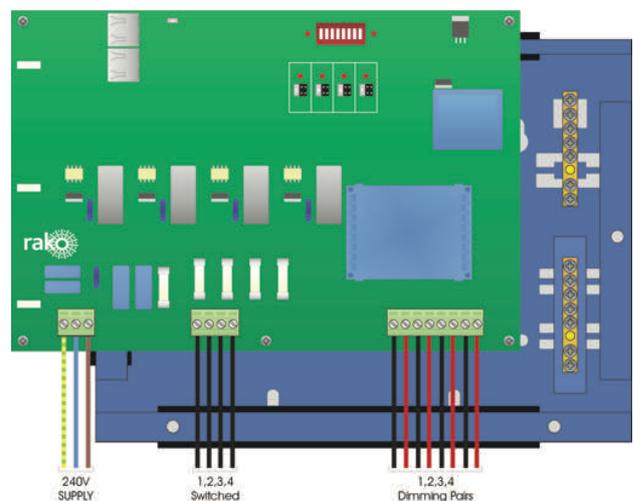
### technical data

dimensions	208x256x110mm
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 4 way screw terminal for load outputs 2 RJ45 sockets for RxLink or Rak-Link connection 8 way screw terminal for control cables
protection	Auto resetting over current protection Auto thermal shutdown Voltage surge protection
load types	0-10v & DLI Fluorescent ballasts 0-10v dimmable LED drivers 0-10v dimmable cold cathode
minimum load	N/A
maximum load	Total box load - 10A, 2.4kw/2.0kva Maximum load over 1+2 or 3+4 - 1.5kw
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 : 2007 Immunity - EN61000-6-1 : 2007
memory	Flash memory (non volatile)

### mechanical data



### connection details



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