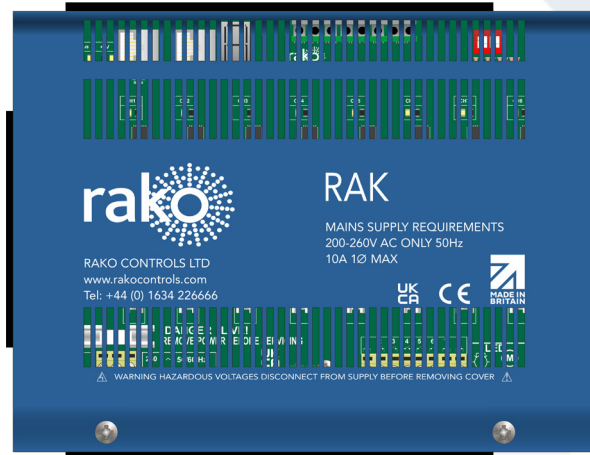




Datasheet

RAK8-S

8-Channel Switching RAK



What is the RAK8-S

The RAK8-S is an 8-Channel switching board designed to control non-dimmable loads such as lights, pumps and contactors.

The RAK8-S combined with a Link device (Rx-LINK or RAK-LINK) can either be used as a single 8-Channel unit or formed into a "stack" of up to 32 circuits or 4 RAK boards.

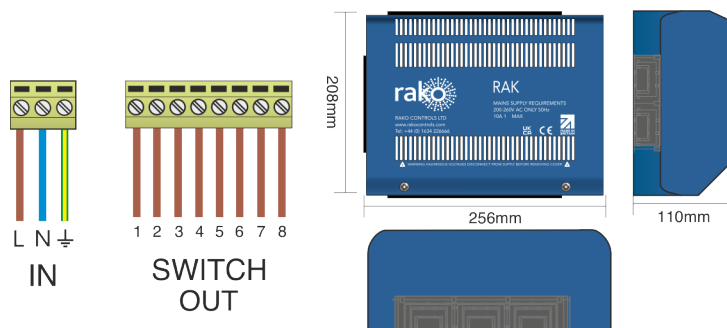
NB

The Rx-LINK has a limit of 16 Channels per unit, if more Channels are required then additional Rx-LINK units must be used.

With eight independent switching relays, multiple load types can be connected to each output of the RAK8-S such as:

- LED; GU10, B22, E14, G8
- Transformers; MR16, GU5.3, Halogen
- Motors; Fan, Pump

Connections/Dimensions



Technical Data

Dimensions	193x253x110mm
Input Supply	230V AC 50Hz, 10A Type B MCB Protection Required
Weight	3.5Kg
Fuse	8 x 5A 20mm Fuse 1 x 15A 35mm Fuse
Housing	Powder coated galvanised steel
Connections	Supply IN: 3-way screw terminal Outputs: 8-way screw terminal
Climate Range	Temperature +2C to +40C Humidity +5% to 95% non-con- densing
Load Types	LED, Transformers, Motors
Minimum Load	N/A
Maximum Load	Mains LED - 300W Incandescent - 600W Transformer - 300W ($\cos \Phi \Rightarrow 0.6$) Motor - 1A (1/3 HP Fan)
Terminal Sizes	Stranded - 2.5mm ² Solid - 4.0mm ²
Cable Entry	Multiple knockouts on top, bottom, side and rear.
Standards	RoHS UKCA, CE EN 60669-2-5:2016
Communication	RS485 to RAKs, RxLINK and RAK-LINK

Installation and Setup

For information on installing and setting up the RAK8-S, see the [RAK8-S Manual](#).



Document Version 2.0.0

telephone +44 (0) 1634 226666 | www.rakocontrols.com