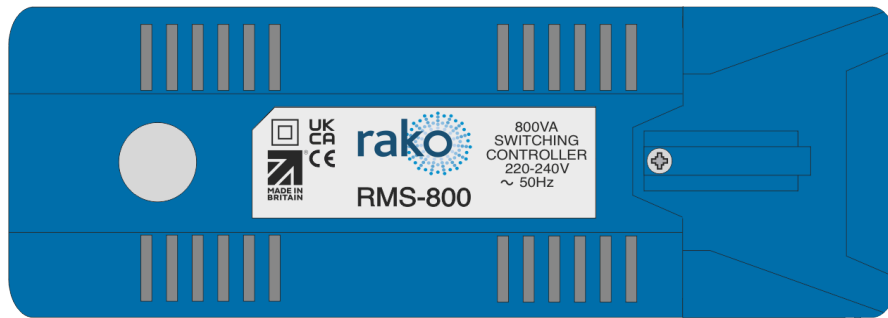




Instruction Manual

RMS-800

800VA Wireless Switching Unit



2024
Version 2.0.1



For more information relating to the RMS-800, see the [Wireless Module Application Sheet](#), [Wireless RAK Application Sheet](#), and [Wireless Device LED Diagnostics](#).

For programming a wireless system, including the device in this manual: [Wireless Module Programming Guide](#)

What is the RMS-800?

The RMS-800 is a wireless switching module suitable for use with non-dimmable loads such as:

- Non-dimmable lighting
- Fans
- Pumps
- Contactors

RMS800 modules can be controlled by any Rako device that transmits wireless RAKOM messages.

Loadings

Minimum	Maximum
1VA	800VA

NB

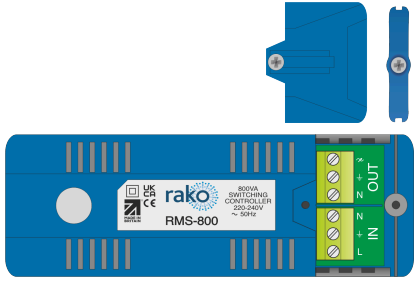
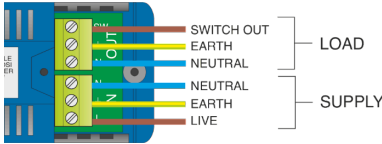
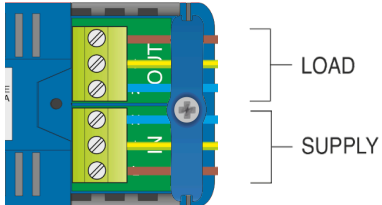
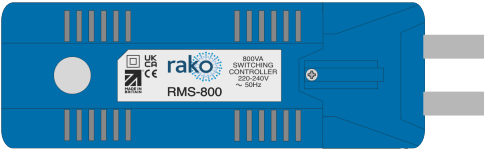
Inrush currents must be taken into account when calculating the load for the RMS-800

Installation

⚠ WARNING

Installation should only be carried out by a competent electrician.

- RMS-800 modules should be mounted in areas that are adequately ventilated, dry, and outside of any enclosed metal casings that may interfere with the wireless signal.
- Modules should be mounted vertically, with the terminals at the bottom, or horizontally.
- While the modules are designed to be maintenance-free, they should be mounted in an accessible location should investigation or re-addressing of the units be necessary.
- Ensure that the cable clamp is fitted tightly to secure the cables.

STEP 1		Remove the cover and cable clamp
STEP 2		Insert the supply IN conductors as well as the load OUT conductors.
STEP 3		Replace the cable clamp, ensuring the cables fit securely
STEP 4		Replace the cover

Initial Checks

When power is initially connected to the module, the load should power up to full brightness.

The clear button can be used as a manual on/off switch to test the circuit.

The internal LED behind the clear button will flicker when the module receives any Rako wireless message and is a useful diagnostic indicator. This function becomes inactive after 20 minutes to avoid a nuisance light spill but can be re-activated by pressing the clear button.

Should the module not respond to any of the above, further investigation must be made before proceeding further.



Programming the RMS-800

Once the RMS-800 has powered up and has been tested working with the setup button, the device is ready to be programmed. For instructions on how to program the RMS-800, see the [Wireless Module Setup Guide](#).

Thank you for choosing Rako Controls; we hope that you are pleased with your system. Should you require further assistance, please contact us via our website, www.rakocontrols.com, or by calling our customer support helpline on 01634 226666.



Appendix 1: LED Diagnostics

Wireless Range	LED Pulses	Description
Good wireless reception		When the unit is receiving successfully, there will be four rapid pulses on the LED when any wireless message is sent.
Bad wireless reception		When the unit is out of range, there will be intermittent pulses on the LED when any wireless message is sent. NB It is recommended to install a wireless repeater (WRB-100) if you are experiencing intermittent wireless range.

Should the module not respond to any of the above, check the supply voltage.