Instruction Manual

RMT-PILL

250W Trailing Edge Wireless Dimmer

2025
Version 2.0.2

UK CA

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1.0 What is the RMT-PILL?

The RMT-PILL trailing edge dimmer is suitable for mains dimmable LED or halogens. It is intended to be installed in a backbox as a retrofit solution.

Depending on the fittings used in conjunction with the RMT-PILL, it can be used with or without a neutral connection.

RMT-PILL modules can be controlled by any Rako device that transmits wireless messages.

NB
The RMT-PILL dimmer module is **not** suitable for inductive loads such as wire-wound transformers or electric motors. Connecting these loads will cause damage to the unit.

2.0 Loadings

With Neutral	Without Neutral
Min: 1W Max: 250W Suitable for compatible trailing edge dimmable LED's.	Min: 60W Max: 250W Tungsten or Halogen only.

3.0 Installation of the RMT-PILL

⚠WARNING

Installation should only be carried out by a competent electrician.

- The module should be mounted in areas that are adequately ventilated, dry, and outside of any enclosed metal casings that may interfere with the wireless signal.
- 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.
- Allow for additional space inside the backbox for cables and the unit.
- A neutral should be used whenever possible to optimise dimming performance.

With Neutral	Without Neutral
	NOT SUITABLE FOR LED LOADS

- The RMT-PILL is designed to be mounted in an earthed electrical back box or conduit box. If a metal back box is used, then the aerial should be mounted outside of the back box into the wall.
- Without a neutral, the RMT-PILL can only be used with mains voltage tungsten halogen and not mains voltage LEDs. It is not suitable for low-voltage or any other transformer-fed lighting types.
- Only use the dimmer with either both neutrals connected or neither. Wiring a single neutral risks damaging the dimmer.

4.0 Auxiliary Input

The auxiliary input can be used in conjunction with a third-party switch to control the load without the use of a Rako wireless command. The required 2.54 pitch header connector is not included.

NB
Rasoft Pro and a suitable Communication Device (RAMPI/HUB) are required to enable the auxiliary input.

5.0 Initial Checks

- When power is initially connected to the module, the load should power up to full brightness.
- The internal LED behind the vent should flicker when the module receives any Rako wireless message.
- Should the module not respond to any of the above, then further investigation must be made before proceeding further.

6.0 Programming the RMT-PILL

Once the RMT-PILL has powered up and has been tested working with the setup button, the device is ready to be programmed.

Programming using a RAMPI or HUB using Rasoft Pro
Wireless System Setup Guide

Programming using an RCM Keypad
Programming With An RCM Guide.

For further general information relating to the RMT-PILL, see the Wireless Module Application Sheet.

7.0 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.

For additional diagnostic information, see the Wireless Device LED Diagnostics.