Instruction Manual

RxLINK

Wireless RAK Receiver

2024
Version 2.0.2

For programming information: Wireless RAK Programming guide or Wired system Programming Guide

For general system information: Wireless RAK Application Sheet.

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1 What is the RxLINK?

The RxLINK is a Rako Wireless receiver for the RAK8, the unit is powered from the RAK8 and does not require any additional connections.

The RxLINK must be configured in Rasoft Pro to function. A maximum of 16 circuits can be mapped to the RxLINK, if additional circuits are required then more RxLINKs may be added.

2 Installing the RxLINK

⚠WARNING

Installation should only be carried out by a competent electrician.

- Modules should be mounted in areas that are adequately ventilated, dry, and outside of any enclosed metal casings that may interfere with the Rako 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.

Step 1		Fix the mounting bracket close to the RAK8, and ensure that there is enough length on the RJ45 cable to the RJ45 port.
Step 2		Connect the RJ45 cable into the RAK8 into Port 1. If looping in and out of more than one RAK8, use the second port. NB Ensure that the cable is fed through the knockouts on the top, bottom or side.

3 Programming the RxLINK

For instructions on programming the RxLINK using a Rasoft Pro and a Programming Tool, see Section 3 of the Wireless RAK Programming guide.

4 Initial checks

- The internal LED behind the clear button will flicker when the module receives a Rako Wireless message, which is a useful diagnostic indicator. The LED feedback becomes inactive after 20 minutes to avoid a nuisance light spill. It can be re-activated by pressing the clear button.

- Ensure that the RAK connected to the RxLINK has supply power, without this the RxLINK will not function.

- Ensure that the RxLINK is connected to port 1 of the RAK.

Appendix 1: LED Diagnostics

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

Should the module not respond to any of the above, press the button on the RxLINK and check the supply Voltage of the connected RAK.