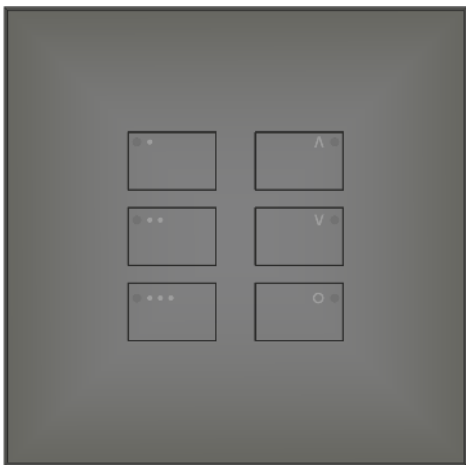
Instruction Manual

WK-EOS-6

6-Button Wired Keypad

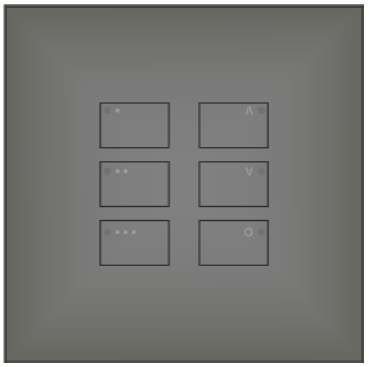


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Version 2.0.1

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1.0 What is the WK-EOS-6?



The WK-EOS-6 is a 6-button Wired keypad used in a Rako Wired Network.

Through Rasoft Pro, commands can be assigned to the buttons to perform actions, such as switching a Scene for a Room or closing Blinds.

Commands include:

- Scenes 1 to 16
- Toggles for individual Channels or Rooms.
- Fade Up/Fade Down for individual Channels or Rooms
- Levels (0-100%)
- Multiple commands on a single input
- Press and hold
- Press and release
- Whole House commands

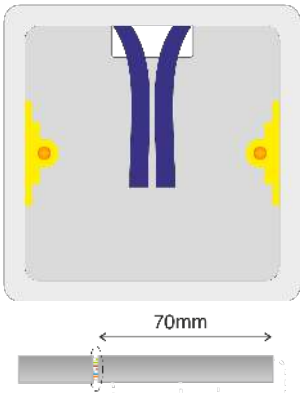
2.0 Installation

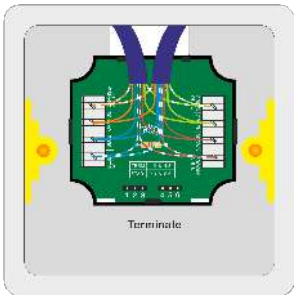
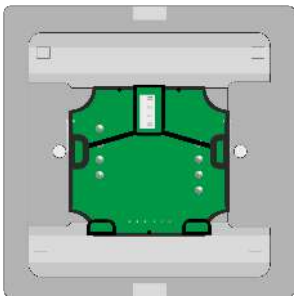
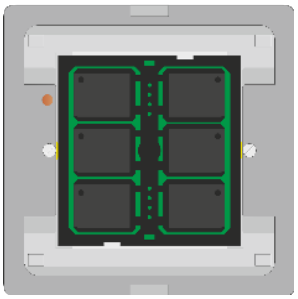
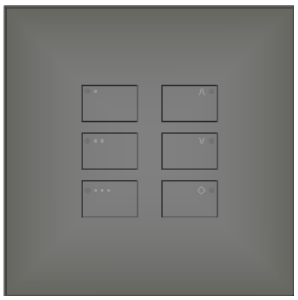
⚠WARNING

Installation should only be carried out by a competent electrician.

NB

The WK-EOS-6 comes in two parts, the installation guide refers to the 'Back' as the part which has the cable connections, and the 'Front' which has a four-pin connector which contains all of the programming.

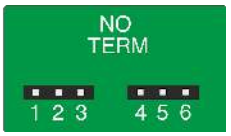
1		Prepare cable(s) in the backbox ready for connection. Set the front section of the WK-EOS-6 aside, as this is not yet required. Strip 70mm from the CAT5/CAT6 cable. NB Ensure there is enough slack on the cable to make re-termination easier should it be required.

2		Using a Punch-down tool, connect the cable cores to the labelled inputs on the WK-EOS-6 'Back' section. Ensure that the cable cores are not loose in the connector, as this will result in intermittent faults.
3		Set the appropriate jumper termination on the 'back' section of the WK-EOS-6, the termination arrangement will depend on the WK-EOS-6's position in the Wired network, see section 4 for more information.
4		Clip the front section of the WK-EOS-6 into the grid and connect the front section of the WK-EOS-6 to the back section of the which has the cable connections. Screw the grid for the screwless cover plate into the backbox.
5		Clip the cover plate into the grid to complete installation, if there is power on the Wired network, the WK-EOS-6 will illuminate.

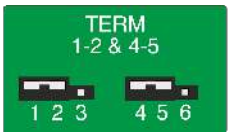
3.0 Terminating the WK-EOS

It is important to terminate WK-EOS correctly otherwise the Wired system will not function. The termination that is required depends on the nature of the installation and the position of the RAK-LINK within the system.

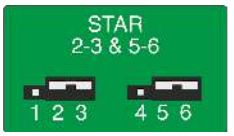
No Term - Both Jumpers removed
Used when the WK-EOS is not at the end of line. This is usually identifiable by two cables being punched down to the WCM.



Term - Jumper fitted across 1+2 & 4+5
Used when the WK-EOS is end of line in a daisy chain configuration.



Star Term - Jumper fitted across 2+3 & 5+6
Used when the WK-EOS is the end of line in a STAR wire configuration.



4.0 Programming the WK-EOS-6

Before the WK-EOS-6 can operate Lighting or Blinds, it must be programmed into a Wired system using Rasoft Pro and a WK-HUB.

For instructions on how to do this, please refer to the Wired programming guide:
Wired system setup guide.

For a general overview, see the Wired RAK application sheet.

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 call our customer support helpline on 01634 226666. The office address is Rako Controls Ltd, Knight Road Rochester, ME2 2AH.

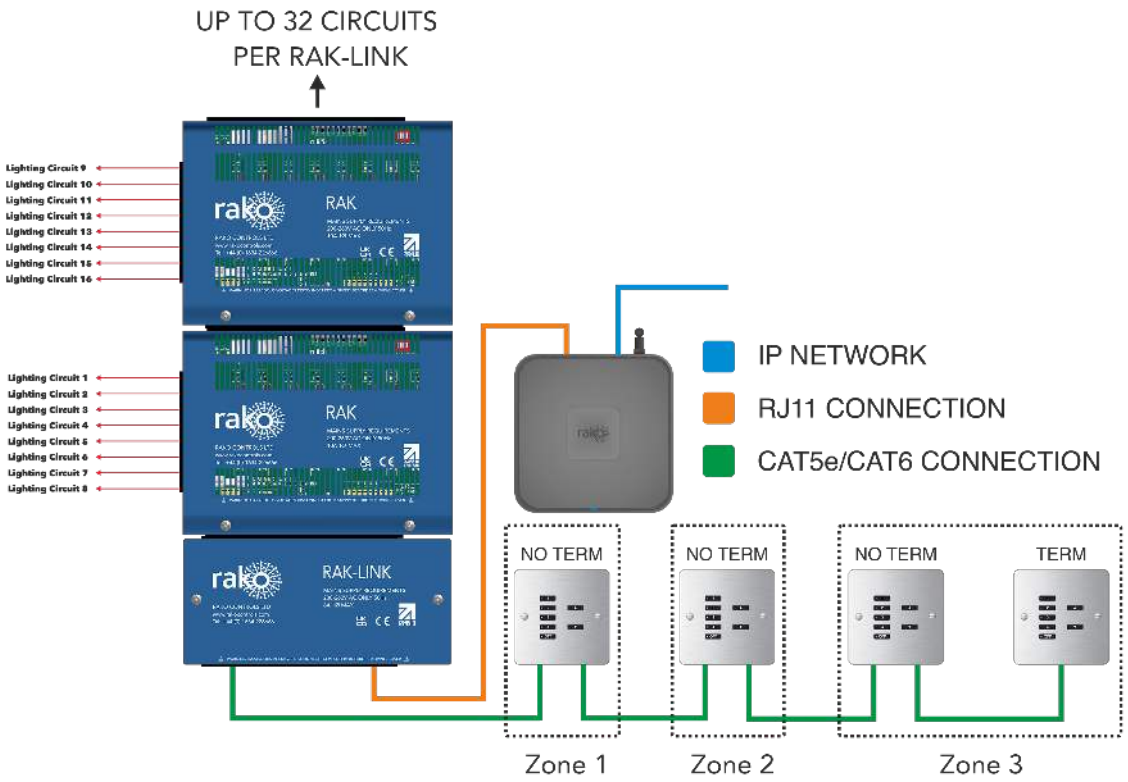
Appendix 1 - Troubleshooting the Wired Network

If any issues are detected on the device's power up, the onboard LEDS provide fault codes. For more information and further diagnostic information, refer to Wired System Diagnostics.

Appendix 2 - Wiring Examples

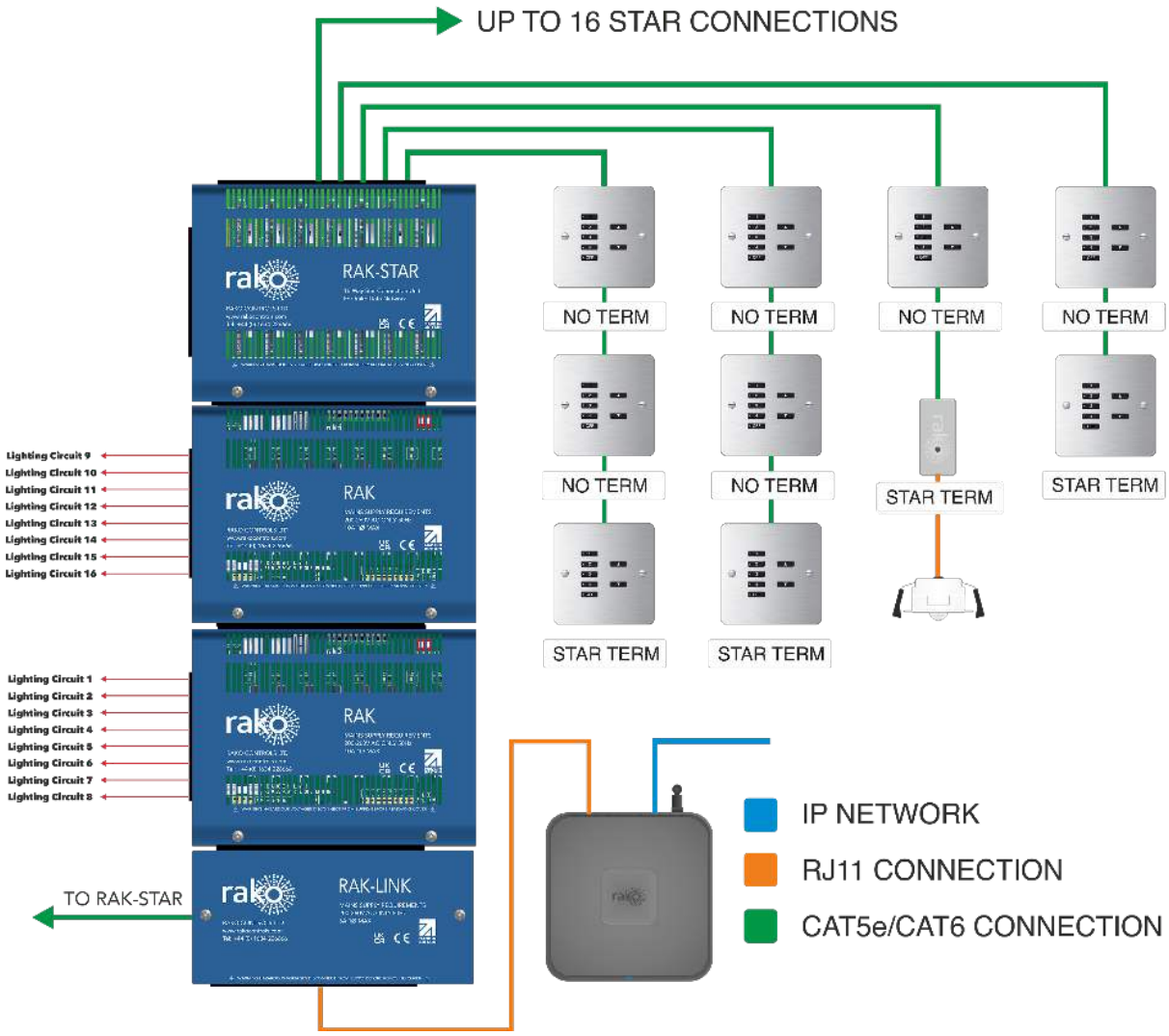
A2.1 Radial Wiring

When the WK-EOS-6 is wired in a loop-in/loop-out arrangement, this is referred to as Radial Wiring, an example can be seen below:



A2.2 Star Wiring

When the WK-EOS-6 is wired in a system with a RAK-STAR, this is referred to as STAR wiring, an example can be seen below:



Appendix 3 - Coverplates (WP-EOS-60-xx)

To mount the WK-EOS-6 to the wall a WP-EOS-60-xx is required as shown above. This is available in a variety of finishes including:

- Satin Chrome (Silk) - WP-EOS-60-SC
- Polished Chrome - WP-EOS-60-PC
- Antique Brass WP-EOS-60-AB
- Matt Black - WP-EOS-60-MB
- Polished Brass - WP-EOS-60-PB
- Matt Bronze - WP-EOS-60-BM
- White (Matt) - WP-EOS-60-WH