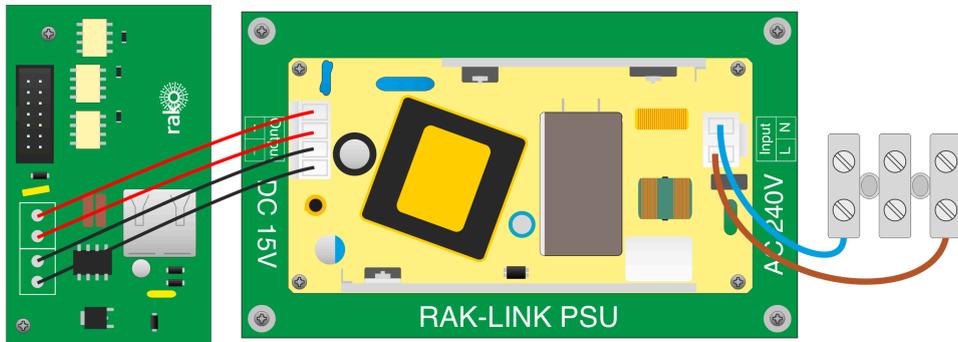




Instruction Manual

RAK-LINK-1GPK

Replacement Power Supply Kit



2024
Version 2.0.0



For programming information: [Wired System Programming Guide](#)

For further installation information: [Wired RAK Application Sheet/RAK-LINK Instruction Manual/RAK-LINK datasheet](#)

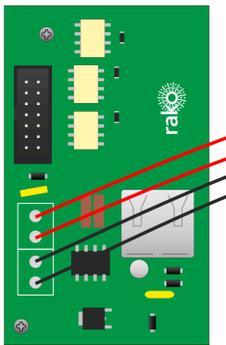
What is the RAK-LINK-1GPK?

RAK-LINK units have a built-in power supply and bottom board, if the power supply no longer produces adequate power for the Rako Wired network, it requires replacing with the RAK-LINK-1-GPK

The kit is in two parts:

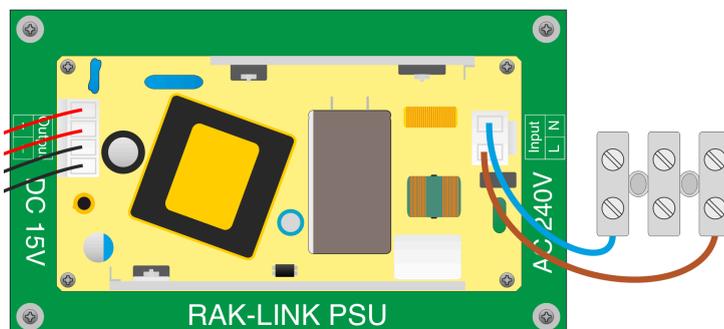
Bottom board

Receives DC power from the power supply via the red and black connector and communicates with the RAKs via the RJ45 port. The ribbon cable connects power and data for the Rako Wired network to the top board.



Power supply

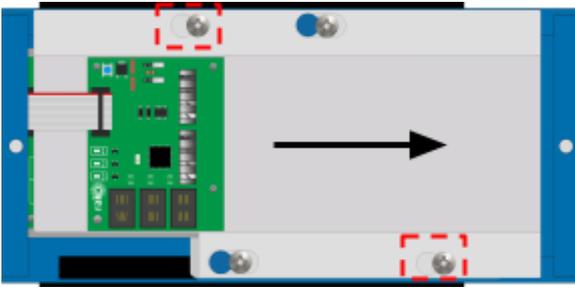
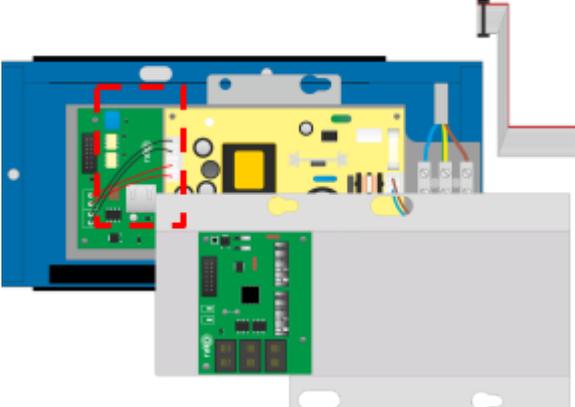
The 15V DC power supply powers the Rako Wired network, the board consists of a 230V AC input on the right and a 15V DC output on the left.

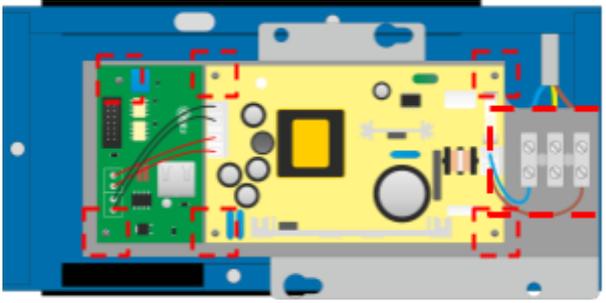
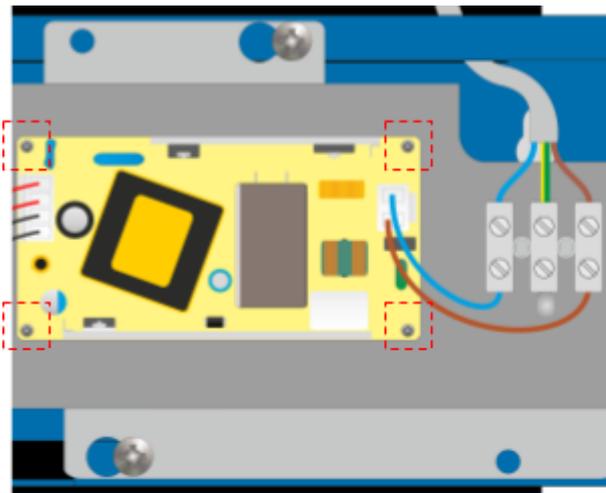
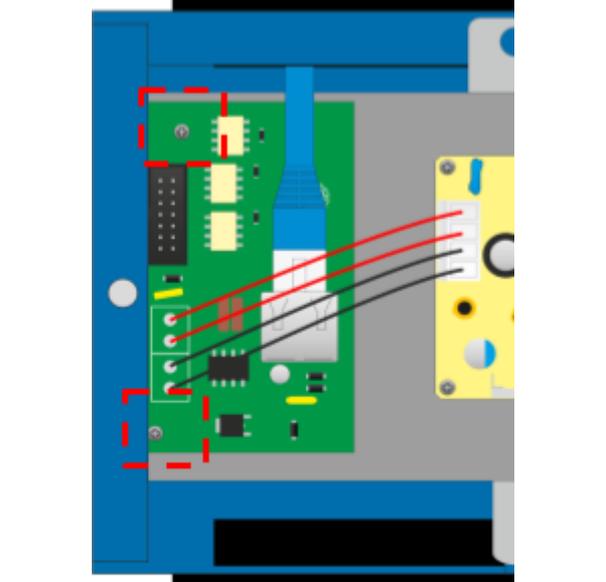


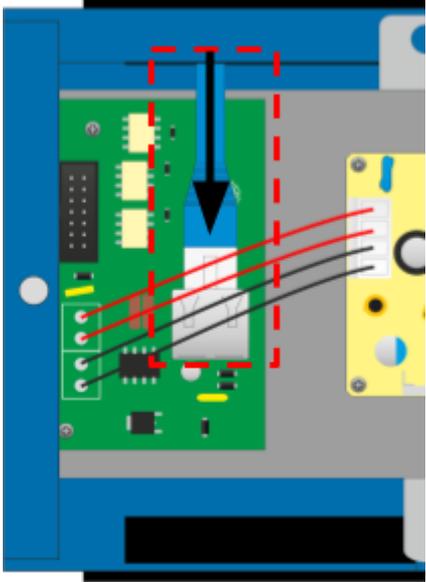
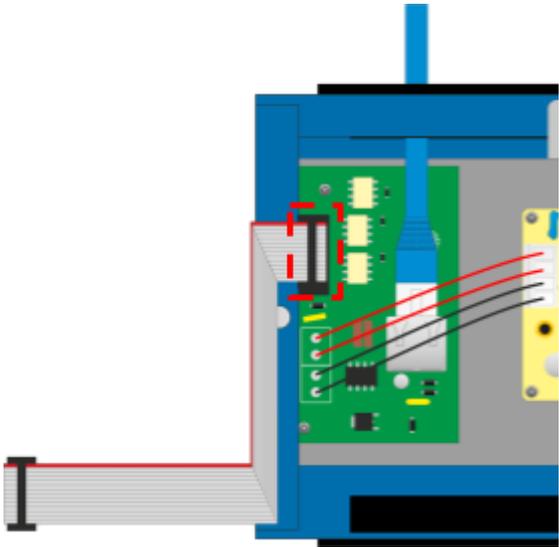
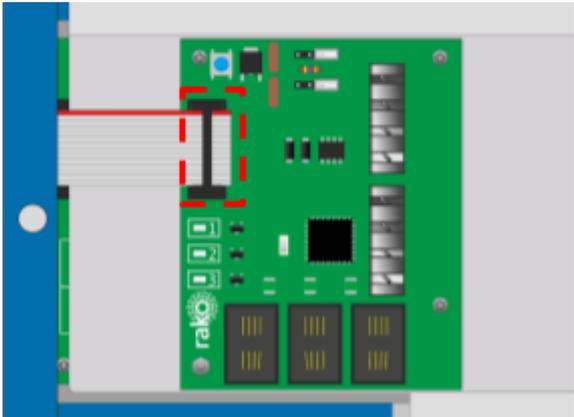
Installation

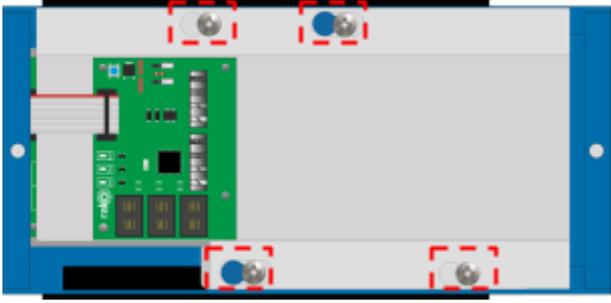
⚠ WARNING

Installation should only be carried out by a competent electrician.
Isolate the power during the installation process.

<p>STEP 1</p>		<p>Switch off the mains supply at the distribution board.</p> <p>Remove the two screws on the RAK-LINK cover</p>
<p>STEP 2</p>		<p>Loosen the top left and bottom right screws.</p> <p>Slide the top panel to the right to remove and expose the lower panel.</p> <p>NB The punch-down connector may have one or more CAT5 or CAT6 cables, leave them connected to the top board.</p>
<p>STEP 3</p>		<p>Remove the ribbon cable and set it aside.</p> <p>Disconnect the RJ45 cable.</p>

STEP 4		<p>Unscrew the three-way mains terminal from the supply.</p> <p>Remove the screws on the power supply, and the screws on the bottom board.</p>
STEP 5		<p>Screw the replacement power supply to the bottom tray.</p> <p>Connect the supply's three-way terminal block to the incoming supply, and ensure that the case earthing point is connected in the centre terminal block.</p>
STEP 6		<p>Screw the replacement bottom board to the bottom tray and connect the DC plug to the left side of the power supply.</p>

<p>STEP 7</p>		<p>Connect the RJ45 cable to the bottom board, the connector will click when it is secured into the RJ45 port.</p> <p>NB If the RAK units are powered up, a blue light will be on the bottom board when the RJ45 is connected.</p>
<p>STEP 8</p>		<p>Connect the Ribbon cable and bring it to the front of the RAK-LINK ready to connect to the top board.</p>
<p>STEP 9</p>		<p>Replace the top tray of the RAK-LINK, and reconnect the ribbon cable for the top board, this will join the top and bottom sections.</p>

STEP 10		Tighten the four screws to fix the top and bottom panels in place.
STEP 11		Screw the cover back on and power up the RAK-LINK. <u>NB</u> No programming is required after a power supply change.

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.

