



Wired

data sheet

## RAK-LINK

WIRED CONNECTION UNIT FOR RAK DIMMERS



### WHAT IS IT?

A wired connection unit for use with RAK dimmer units, with a power supply for wired CAT5 products.

The power supply has the capability of powering 40\* wired network devices, up to 1000m over standard CAT5e cable.

Up to 32 RAK circuits can be used per RAK-LINK.

\*The length of the cable run needs to be considered when calculating the maximum number of wired devices per RAK-LINK.

The RAK-LINK forms the connection between RAK dimmers and the wired CAT5 network



### CONTROL LINKS

The RAK-LINK provides an isolated link between the RAK dimmer units and wired devices (WCM, WK-MOD, WK-EOS and WK-PIR etc.) The unit also includes a heavy duty 15vdc power supply for wired network devices.

Connection for the CAT5 is by 8 way Krone "punch down" terminals. This allows for a daisy chain configuration of the wired network. Where a 'star' or 'home-run' configuration is required, a RAK-STAR should be used.

RAKs are communicated with using RS485 connected via RJ45 patch leads.

Three RJ11 programming sockets within the unit allows system programming using the RASOFT Pro software suite and connection of other wired accessories (WK-Hub, WAVFR etc.)

For more information;

[Rako Overview Application Sheet](#)

[Wired RAK Application Sheet](#)



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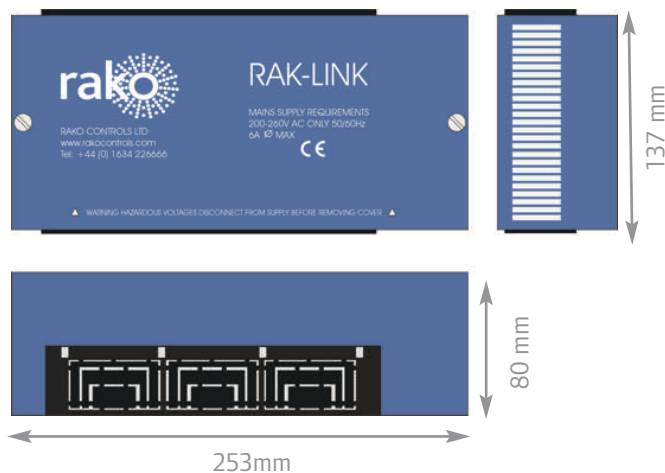
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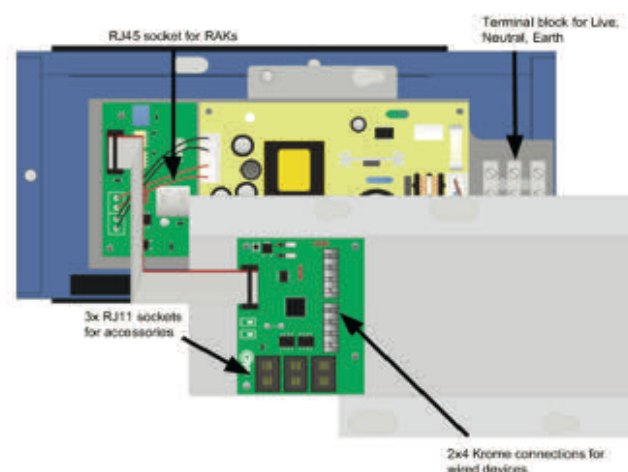
## technical data

dimensions	137x253x80mm
input supply	200-260V AC 50/60Hz 6A Type B MCB protection required
supply output	1.5vdc 3A for RakoM CAT5e or CAT6 control network
housing	Powder coated galvanised steel
weight	2.0Kg
climate range	Temperature +2C to +40C Humidity +5% to 95% non condensing
rakom cable type	UTP CAT5e or CAT6
terminals	8 way Krone punch down and 3 x RJ11 (screw terminal option available) for wired network RJ45 socket for RAKs
standards	RoHS UKCA Emissions - EN61000-6-3 : 2007 Immunity - EN61000-6-1 : 2007
communication	Wired Network - CAN and RS485
memory	Flash memory (non volatile) Firmware upgrades via RASOFT programming software

## mechanical data



## assembly schematic



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