Rako Controls Ltd

USING WP-CONC WITH RAKO WIRED SYSTEM

WP-CONC is used to connect accessory modules to RAKO Wired system.
These include RF-Bridge, 232-Bridge, DMX unit and other RAKO modules
fitted with RJ11 network connector.
Often the accessories are plugged directly into RAK-Link or Star-Wiring Box.
WP-CONC is used if installation requires the accessory module to be located
elsewhere.

A SIMPLE INSTALLATION. 230v ac

In this system WP-CONC2 and RAKLink are at either end of the CAT5 cable so need Termination Jumpers fitted

Accessory Module

RJ11 Accessory Cable

WP-CONC 1

WP-CONC 2

Lighting Circuits

Cat5 data cable

Wallplate 1

Wallplate 2

Wallplate 3

Accessory Module

Accessory Module

Internal RJ45 RAK4 cables

RAK4

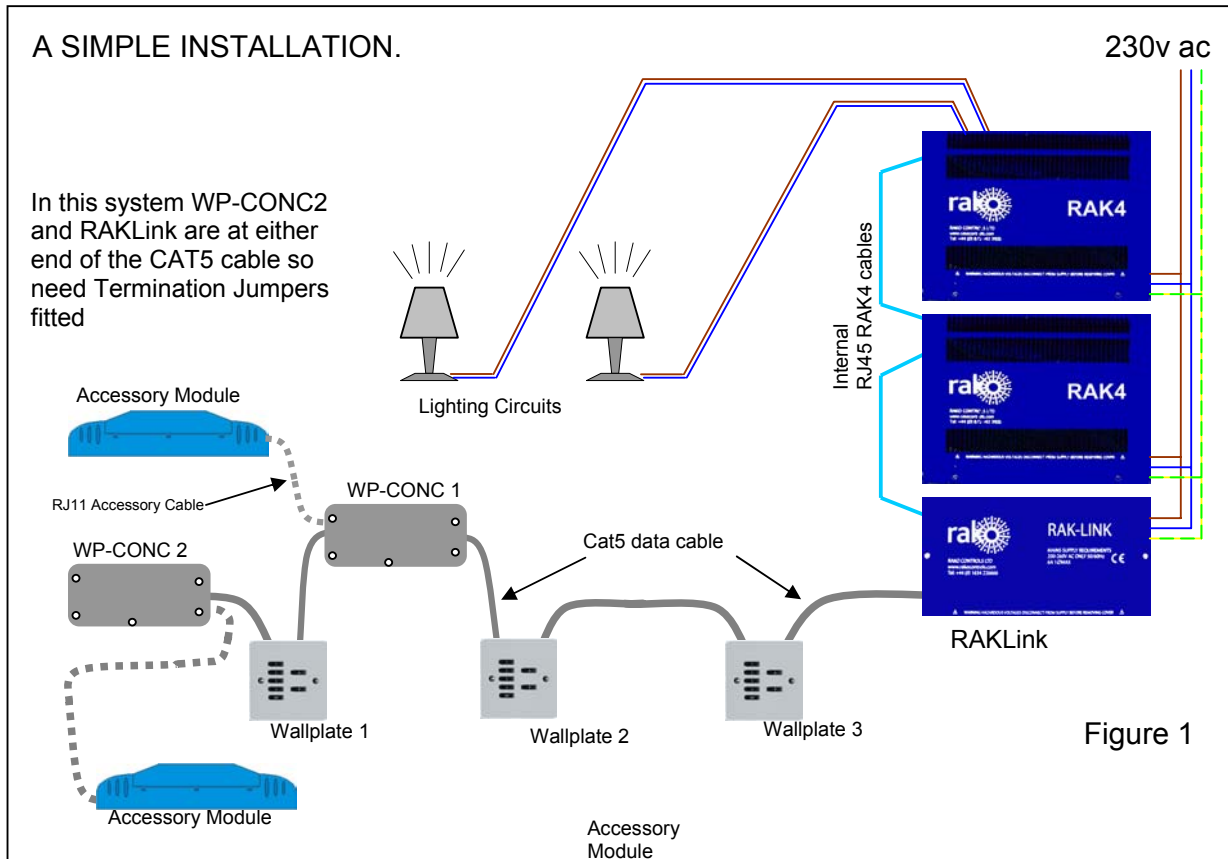RAK4

RAK-LINK

RAKLink

Figure 1

Figure 1 shows a simple lighting installation using the Rako Wired system.

In figure 1: WP-CONC 2 and the RAKLink are at each end of the cable, so these must
have their termination jumpers fitted.
WP-CONC 1 and Wallplates 1, 2 & 3 must not have termination jumpers fitted.

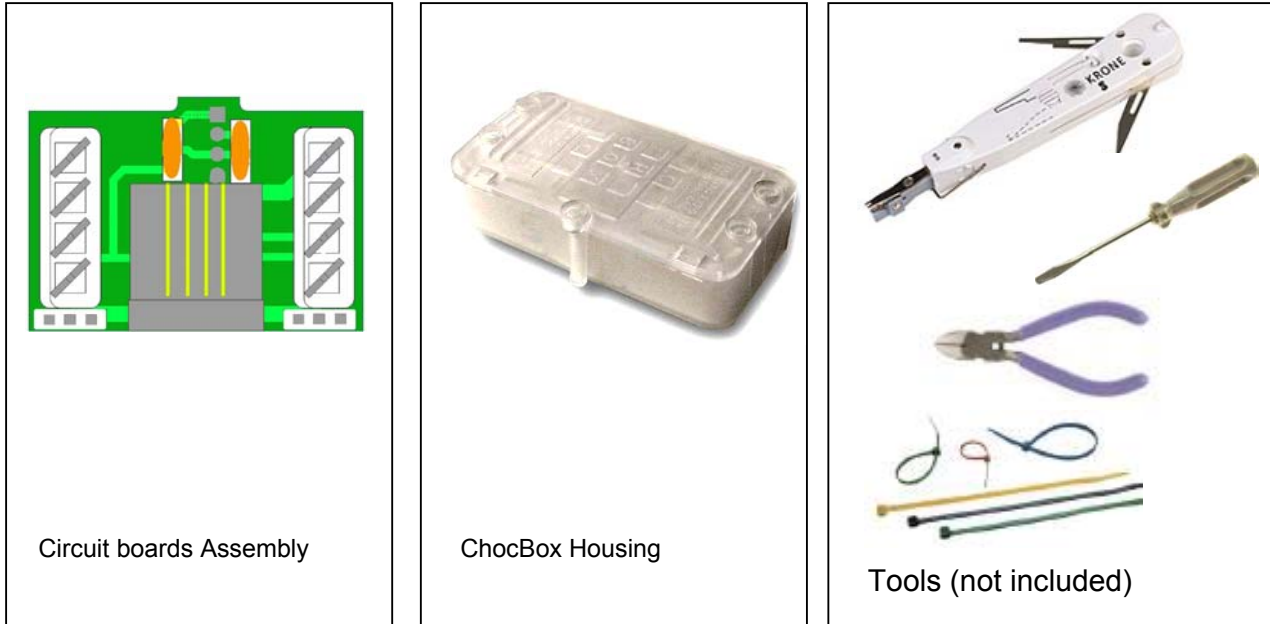### Installing WP-CONC onto the Wired System

Items required:

Circuit boards Assembly	ChocBox Housing	Tools (not included)

Figure 2

Fit the WP-CONC as shown in figure 3 below:

Installing WP-CONC

Fit Housing into position

Figure 3

Punch CAT5 cable to circuit board following colour code marked on board

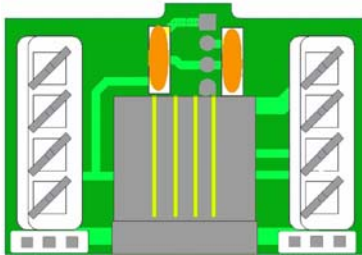Connect the Rako Accessory module and fit into housing. Be sure to set correct jumpers
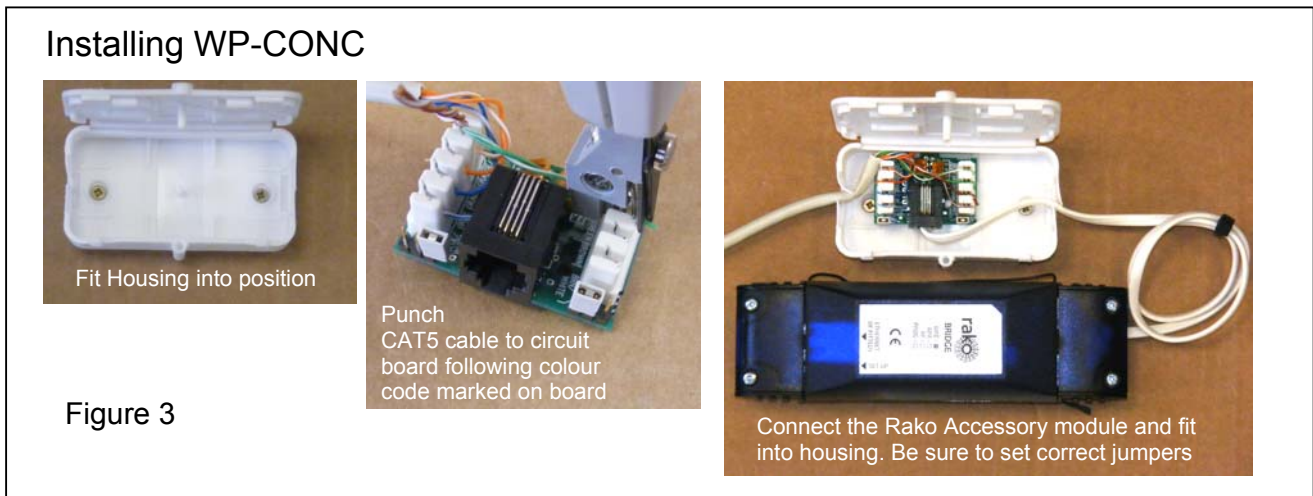
Fit Termination Jumpers to WP-CONC when it is fitted at end of Data Network
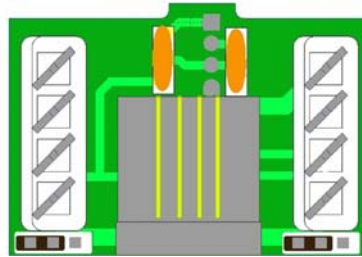
UNTERM

WP-CONC which is not at end of line set like this.
(WP-CONC1 in figure 1)

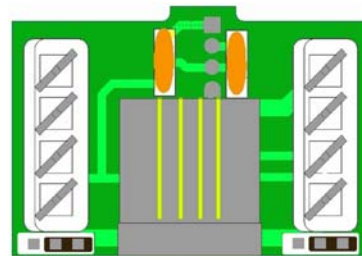NOTE: Devices are normally supplied <u>un</u>terminated with jumpers in this position

Figure 4

TERMINATION JUMPERS ON WP-CONC

TERM

WP-CONC which is at end of line set like this.
(WP-CONC2 in figure 1)

**STAR
TERM**

This setting used **only** if a RAKO STAR WIRING box is fitted to the system.
See Star Box User Manual for details