

## INSTALLING WALLPLATES TO RAKO WIRED SYSTEM

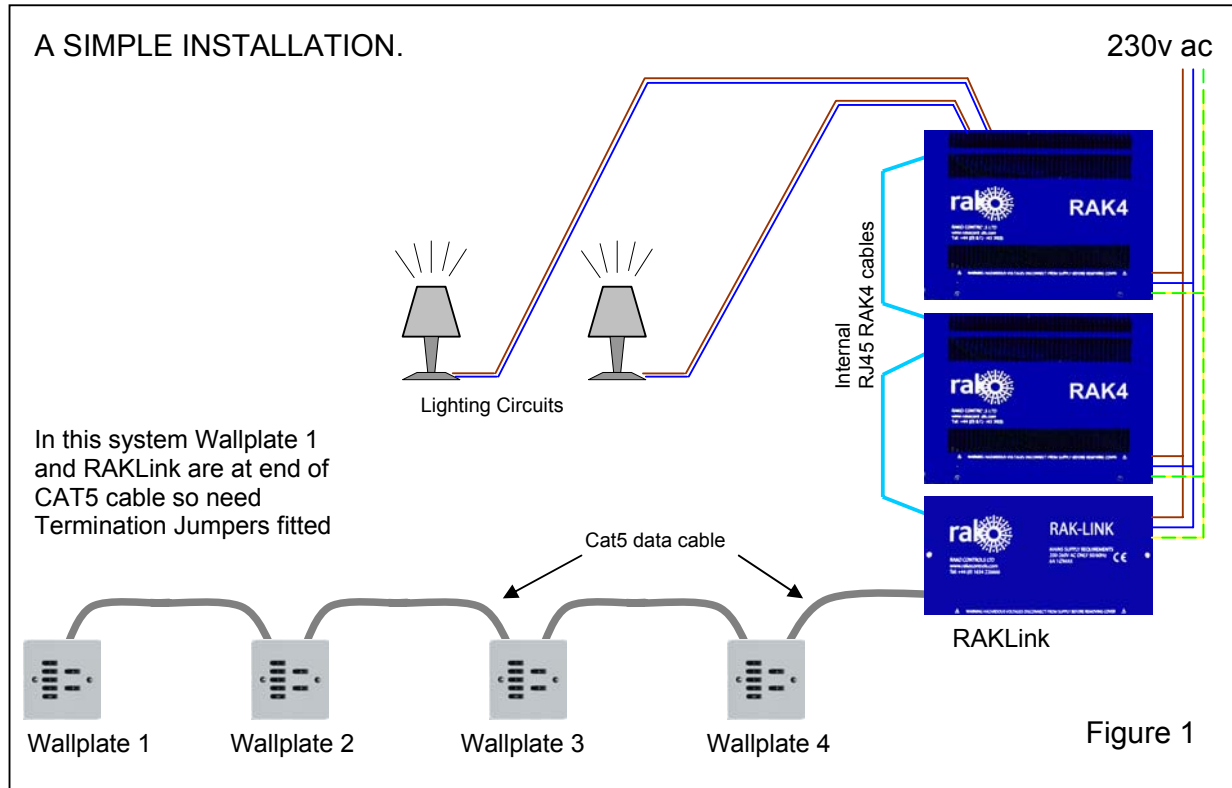


Figure 1 shows a simple lighting installation using the Rako Wired system.

The system uses CAT5 cable to provide power and data to the Wallplates. The Wallplate power is provided by a power supply that is fitted inside the RAKLink. When a Wallplate button is pressed it sends commands to the RAKLink. The RAKLink decides to which RAK4 channels the commands should be sent. The RAKLink connects to the RAK4's through RJ45 cables which are electrically separate from the CAT5 cabling.

The CAT5 cable, Wallplates and RAKLink form a Data Network. The network is a single cable to which devices are attached along its length. Each end of the cable must be terminated to make it work properly. The Wallplates and the RAKLink are provided with termination jumpers.

In figure 1: Wallplate 1 and the RAKLink are at each end of the cable, so these must have their termination jumpers fitted. Wallplates 2, 3, 4 must not have termination jumpers fitted.

## Installing a Wall Plate onto the Wired System

Items required:

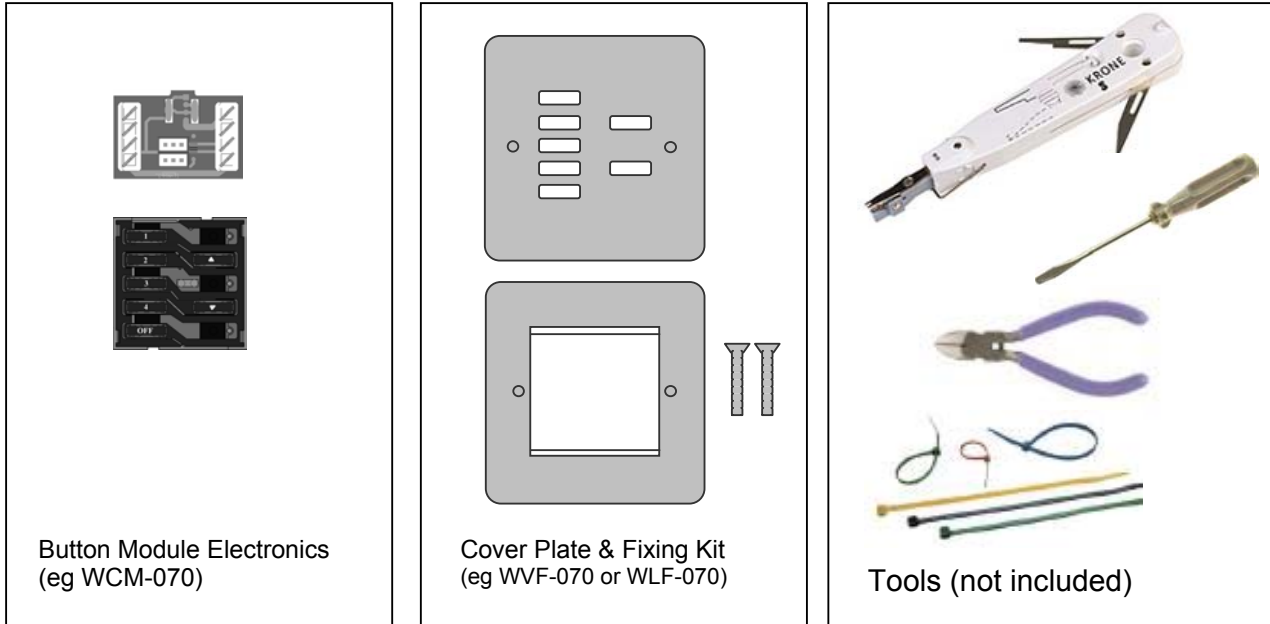


Figure 2

Fit the wallplate as shown in figure 3 or figure 4 below:

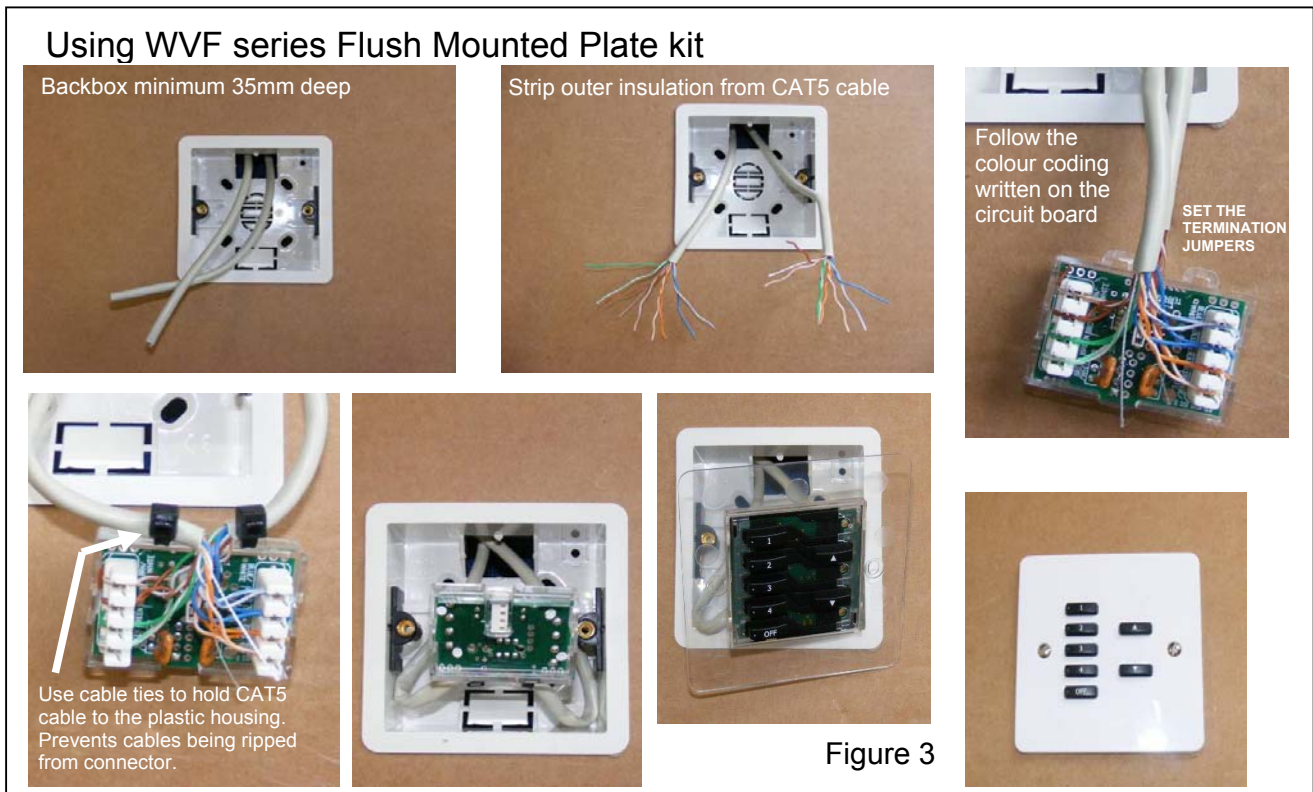


Figure 3

### Using WLF series Screwless Flush Mounted Plate Kit

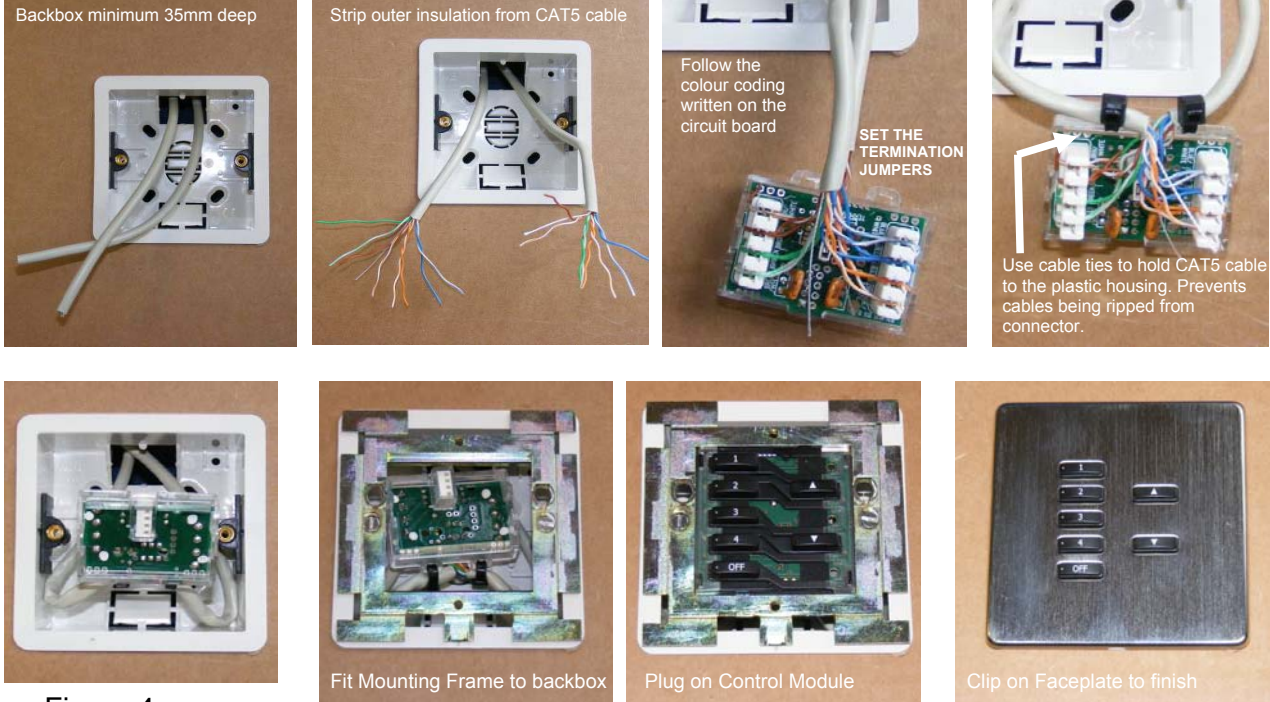


Figure 4

### Fit Termination Jumpers to Wallplate when it is fitted at end of Data Network

<p><b>UNTERM</b> Wallplates which are not at end of line (2, 3, 4 in figure 1) set like this.</p>	<p style="text-align: right;">Figure 5</p> <p style="text-align: center;"><b>TERMINATION JUMPERS ON WALLPLATES</b></p>
<p><b>TERM</b> Wallplate at end of line (1 in figure 1) set like this</p>	
<p><b>STAR TERM</b> This setting used <b>only</b> if a RAKO STAR WIRING box is fitted to the system. <b>See Star Box User Manual for details</b></p>	
<p><b>NOTE:</b> Devices are supplied <u>un</u>terminated with jumpers in positions as above</p>	