

## RFCW2

Item ref: 156.737UK

### IN-LINE WIRELESS CONTROLLER FOR WARM/COOL WHITE LED TAPE

User Manual



**WARNING:** This product is intended for professional installation of dual colour LED tape and should be connected by qualified personnel in accordance with electrical safety standards. Ensure that the rated load indicated is not exceeded.

### Installation

The RFCW2 controller can be employed to control Lyyt dual colour LED tape operating from a 5-24Vdc power supply. The rated current load is 2 x 7A, operating up to 17.5m (3 x 5m reels max. recommended) of Lyyt 12V high output warm/cool white LED tape (156.719UK).

Connect the DC jack to a power supply suitable for the LED tape (must be 5-24Vdc for the controller)  
Connect the 4-pin coupler to the end connection on the Lyyt 2-colour tape.

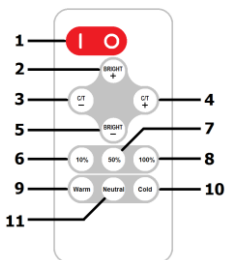
Ensure that the positive and negative connections for Warm and Cool white are connected to the correct polarity on the LED tape. Black and yellow output leads should be connected to the side of the tape with warm white LEDs (deep yellow in colour) and black and white output leads should be connected to the side of the tape with cool white LEDs (pale yellow in colour). The LED tape will not light if the controller is accidentally connected in reverse)

On the rear of the controller is an LED indicator which shows the control status, which flashes red for overload or yellow for overheating protection. In normal use, the indicator will make a single short flash to show control changes or a long flash to show control limits.

### 5 - 24Vdc



## Remote control



- |     |         |  |
|-----|---------|--|
| 1.  | POWER   | LED tape on / standby button           |
| 2.  | BRIGHT+ | increases brightness                   |
| 3.  | C/T-    | decreases colour temperature           |
| 4.  | C/T+    | increases colour temperature           |
| 5.  | BRIGHT- | decreases brightness                   |
| 6.  | 10%     | Shortcut button - 10% brightness       |
| 7.  | 50%     | Shortcut button - 50% brightness       |
| 8.  | 100%    | Shortcut button - 100% brightness      |
| 9.  | Warm    | Shortcut button - warm white colour    |
| 10. | Neutral | Shortcut button - neutral white colour |
| 11. | Cold    | Shortcut button - cold white colour    |

- Remove the clear tab from the handheld remote to engage the battery (replacement CR2025 button cell)
- To switch LEDs on, press the POWER button (from standby, the last setting is resumed)
- If there is no response to the controller from the handset (it may be necessary to pair them, see "Pairing" below)
- BRIGHT+ and BRIGHT- buttons will increase or decrease the overall brightness of the LED tape output.
- C/T+ and C/T- will adjust the balance between cool white and warm white output to give different colour temperatures.
- 10%, 50% and 100% give quick access to the preset brightness levels.
- Warm, Neutral and Cold give quick access to the 3 main colour temperature settings
- Press POWER to enter standby mode (all LEDs off)

**Pairing:** If the LED controller does not respond to the RF remote handset, disconnect DC power from the controller.

Reconnect the DC power to the controller and within 5 seconds of powering on, hold down the "C/T+" and "C/T-" buttons simultaneously. The LED on the controller will flash 3 times to show that it is paired.

Further handsets can be paired to the same controller (up to 5 per controller)

## Specifications

Power supply	5-24Vdc, 14A (to supply 2 x 7A max)
Remote control frequency	433.92MHz
PWM frequency	1kHz
Lead length (power input)	100mm
Remote control range	15m (max.)
Brightness settings	7 levels
Colour temperature settings	7 levels
Pairing	Up to 5 handsets per controller
Connections	DC jack and 4-pin socket (Warm+ / Warm- / Cool+ / Cool-)
Protection	Reverse/short circuit, overload, temperature
Operating temperature	-30 to +80°C
IP rating	IP63
Controller dimensions	87 x 21 x 9mm
Remote dimensions	40 x 86 x 7mm
Total weight	36g



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.  
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