DIY LED TAPE KIT – CW/WW

153.739UK User Manual

DIY LED TAPE KIT – 5m Cool white & Warm White

Introduction:

Thank you for purchasing the Fluxia DIY CW/WW LED Tape. LED tape is ideal for use on the underside of a counter tops, shelves, cupboards, around window frames or in an alcove of a ceiling to name just a few examples.

Before starting please ensure that you have read this instruction leaflet carefully.
If you are unsure about anything please have the tape installed by a competent installer.

Contents:

1 x 5m reel of CW/WW LED tape
1 x Power supply with UK adaptor
1 x Control Box with IR remote handset

Possible required tools: Scissors, Craft knife, Soldering iron and solder, 4 core DC wire and heat shrink tube.

Step 1: Preparation

Ensure the surface you are attaching to is clear of dust and dirt. Clean thoroughly and leave to dry before fitting the tape.

Step 2: Connecting IR Controller:

Connect the 4pin connector to the control box and then to the LED tape (FIG 1). Plug in the power supply and use the IR remote control to select the various functions (Fig 2).

Unravel the tape to check that all the LEDs are functioning correctly. If there are any faults return to your retailer without delay.
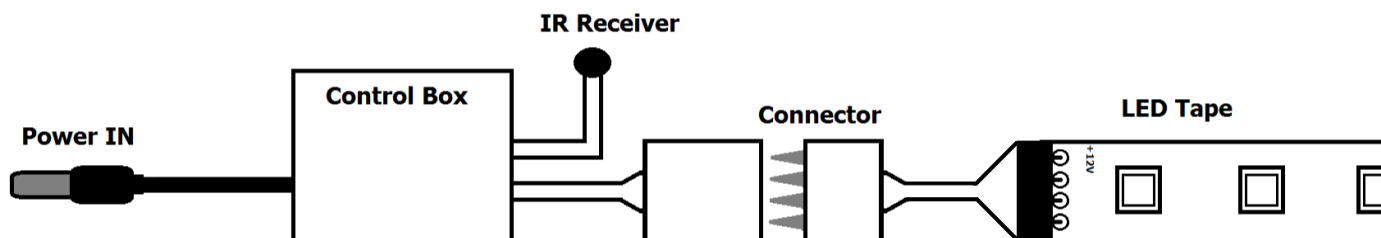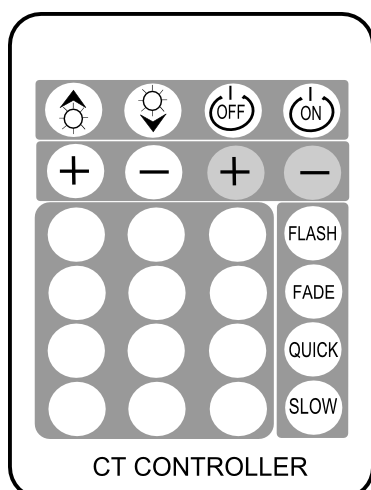
FIG 1:

FIG 2:

IR remote function

The remote control has altogether 16 different colour temperatures to choose from, with other function keys as shown below:

	Overall brightness increase	+	Warm white colour increase
	Overall brightness decrease	—	Warm white colour decrease
(OFF)	Power off	(FLASH)	Flash mode
(ON)	Power off	(FADE)	Fade mode
(+)	Cool white colour increase	(QUICK)	Increase mode speed
(—)	Cool white colour decrease	(SLOW)	Decrease mode speed

CT CONTROLLER

* Fade mode: Press once for fade on both colours. Press twice for fade on cool white. Press 3 times for fade on warm white.

Step 2: Cutting

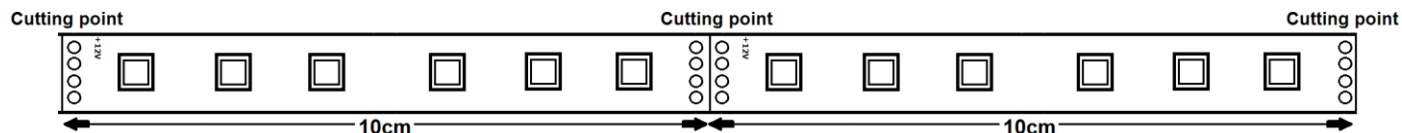WARNING: Disconnect from the power supply before attempting any cutting.

Measure out each section and cut with sharp scissors only at the marked 10cm intervals. Do not discard any excess tape as it can be easily reconnected and used again (see FIG 4).

Step 3: Fitting:

Clear the area you wish to install and remove the backing paper, exposing the adhesive tape. Push tape firmly onto the surface. It is recommended to work on 50cm sections at a time in order to ensure a professional finish. When you reach the end of your installation cut at the marked cutting point. The tape can be terminated at highlighted 10cm cut intervals if less than 5m is required.
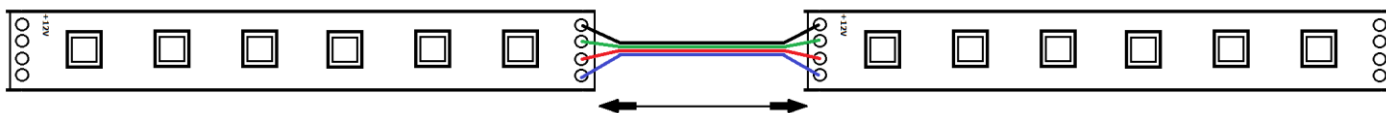
FIG 3:

You may also reconnect the two pieces by soldering the point connections together. The tape has 4 tracks for the DC voltage:

To re-attached use a craft knife to cut the Epoxy coating from the terminals.
Use a soldering iron and solder to connect the DC wire to the relative terminals be sure not to cause a short circuit in the process as it will not work.

FIG4:

WARNING: Only cut the tape on the highlighted intervals. Cutting the tape in other parts without due care will permanently damage that section of the tape and will result in malfunction.

Points to remember when using this tape

1) Only cut the tape at the highlighted 10cm intervals.
2) Do not connect another reel and operate from a single power supply as this will seriously affect the performance.
3) Ensure you connect the correct wires otherwise the tape will not work.
4) Ensure that there are no short circuits when soldering.
5) We recommend use of heat shrink tubes to protect the connection.
6) Check that everything operates correctly before installing.

FAQ:
Q) Can you cut a 5m tape in many of different sections then solder connect them all together?
A) Yes as long as you cut the tape at 10cm intervals highlighted.

Q) Can I connect the tape together to form a loop?
A) Yes you can as long as both sides have a sufficient power supply it is possible.

Q) Can I use the tape outdoors?
A) Yes the tape is IP65 rated. Ensure though that the terminated ends are heat shrink protected.

Q) Can I use the LED tape without a controller?
A) Yes you can but you can only have a choice of appearing both cool white and warm white at the same time. It will be a better solution to buy the single colour tape.

Specifications

Voltage	12Vdc
Current consumption	300mA/m
Power consumption	3.6W/m
Number of LEDs	60/m
LED Spacing	16mm
Cut intervals	10cm
Beam angle	120°
LED type	SMD3528
IP rating	IP65

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