ISRF1

Item ref: 153.796UK

IN-LINE WIRELESS CONTROLLER
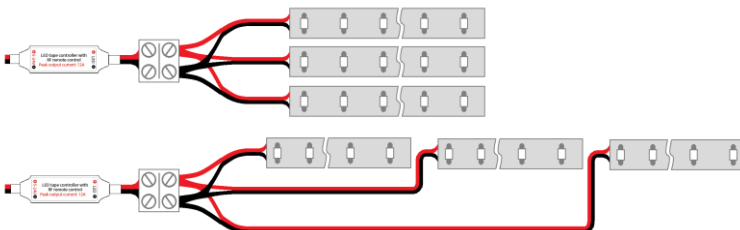FOR SINGLE COLOUR LED TAPE

User Manual

WARNING: This product is intended for professional installation of single 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.
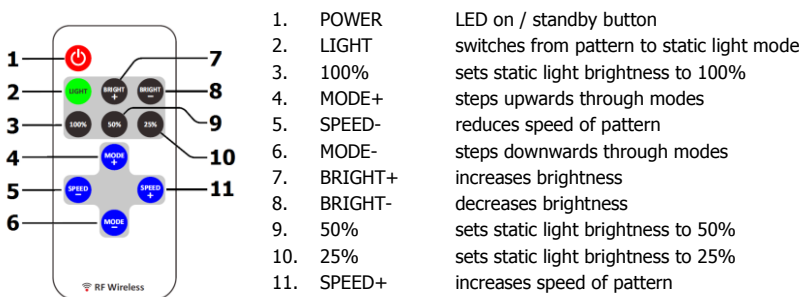
Installation

The ISRF1 controller can be employed to control single colour LED tape operating from a 5-24Vdc power supply. Maximum short term current load is rated at 12A.
For constant full power output, it is advised to limit this to 6A load.

To power supply

For Lyyt single colour LED tape (156.705-156.768UK), it is recommended to connect no more than 3 x 5m tapes underlined radially from the same controller. When connecting more than one 5m tape in this way, it will be necessary to remove the DC connectors and strip the wires for connection using terminal strips. It is also advised to use bypass wiring instead of connecting end-to-end to avoid noticeable voltage drop at the furthest end from the power supply.

Remote control

1.	POWER	LED on / standby button
2.	LIGHT	switches from pattern to static light mode
3.	100%	sets static light brightness to 100%
4.	MODE+	steps upwards through modes
5.	SPEED-	reduces speed of pattern
6.	MODE-	steps downwards through modes
7.	BRIGHT+	increases brightness
8.	BRIGHT-	decreases brightness
9.	50%	sets static light brightness to 50%
10.	25%	sets static light brightness to 25%
11.	SPEED+	increases speed of pattern

- 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 from the handset, it may be necessary to pair the handset to the controller (see "**Pairing**" below)
- MODE+ and - buttons step through the 8 preset programmes in sequence (shown below)
- SPEED+ or - will alter the rate of change in the selected mode
- LIGHT button overrides the pattern mode to give a static light setting
- BRIGHT+ or - will change the brightness in static mode
- Preset brightness can be jumped to via the 25%, 50% or 100% buttons
- 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 hold down the "100%" and "25%" buttons simultaneously.
The controller and handset should now be paired and the controller should respond to the handset.

Preset	Name	Description
1	Random Glow	Fade in and out at random brightness & intervals
2	Regular Glow	Fade between fully on and off at a regular rate
3	Half Glow	Fade between fully on and half-on at a regular rate
4	Flicker	Flash on and off at a fast regular rate
5	Offset Flash	Flash on and off with pause at a regular rate
6	Even Flash	Flash on and off evenly at a regular rate
7	SOS	3 short - 3 long - 3 short Morse Code flash sequence
8	Strobe	Very short burst at regular intervals

Specifications	
Power supply	5-24Vdc, 12A (50% duty cycle) or 6A (100% duty cycle)
Remote control frequency	433MHz
Lead length (power input, LED output)	100mm
Connections	DC5521 connectors
Controller dimensions	42 x 13 x 5mm
Weight	4.8g

CE

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.