4. Operation

1) To set the brightness of the LED Strip

Press the "LIGHT" button for 2 seconds - The LED Strip will now be set at full brightness. Press the "SPEED" button to reduce the brightness and "LIGHT" button to increase the brightness (Fig 2). The brightness setting is restored on power-up.

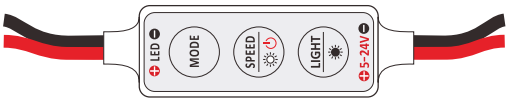


Fig. 2

2) To set one of eight flashing/pulsing modes

Press the "MODE" button to set Mode 1. Repeatedly press the "MODE" button to cycle through the eight different modes (Fig 3). Once you selected your preferred mode you can then adjust the speed of the flashing/pulsing by pressing the middle "SPEED" button (Fig 2). There are 10 speed settings for each mode. The selected mode and speed setting is restored on power-up. (Brightness is not adjustable in this mode).

MODE	TYPE
1	SLOW FLASH (V1)
2	FAST FLASHING PATTERN
3	FAST PULSE
4	SLOW PULSE
5	SLOW DIMMING
6	MEDIUM PULSE
7	FAST FLASH (ON/OFF)
8	SLOW FLASH (V2)

Fig. 3

Integral LED is a division of Integral Memory plc London NW10 0UF
www.integral-led.com

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1 year warranty

integral™ LED

PLEASE READ BEFORE USE

Integral Single Colour LED Controller ILRC006

⚠ WARNING ⚠

DO NOT CONNECT THE CONTROLLER TO A MAINS SUPPLY. THE CONTROLLER MUST ONLY BE CONNECTED TO A SUITABLE 5V-24V LED DRIVER.

IMPORTANT NOTICE

- This product should be installed according to the instructions in this guide and by a qualified electrical installer.
- All electrical work must be completed in accordance with the latest IET wiring regulations (formally IEE) for the UK or in accordance with all applicable regulations and laws in the country in which it is being installed.
- Switch OFF power at the mains before installing the product.
- Always disconnect or switch off the power supply before making any adjustment to the wiring.
- Observe the operating temperature of the product: -30°C to +70°C

1. Introduction

INTRODUCTION

The Integral Single Colour LED Controller is designed to work with an Integral LED Single Colour Strip. Once installed you will be able to either;

1) Adjust the brightness of the strip to your preferred level.
2) Select one of 8 flashing/pulsing modes. In this mode you can vary the speed of the flashing/pulsing. The LED Controller is designed for occasional adjustment. Ensure access is available.

2. Specifications

Controller:

- Power Input: DC5V - DC24V
- Max Current Load: Max 5A
- Max Output Power: 60W (12V) / 120W (24V)
- Dynamic Mode: 8 modes
- Dynamic Speed Level: 10 levels
- Brightness Level: 10 levels
- Working Temperature: -30°C - 70°C
- Dimension: 34x13x5mm with 110mm AWG16 Red and Red/Black cables at both ends
- Weight (N.W.): 7.2g

Total Weight (G.W.): 12g

3. Installation Instructions

a) The Integral Single Colour LED Controller is designed to work with an Integral LED Single Colour Strip
b) The LED controller operates on 5V -24V DC (Ensure that the LED DRIVER and LED STRIP operate at the same voltage)
c) The LED controller only supports CONSTANT VOLTAGE LED DRIVERS
d) Ensure that the LED DRIVER is suitable to power the length and type of LED STRIP
e) Ensure that the LED controller is installed in a dry area and is accessible if required

4. Wiring

Ensure that the mains POWER is OFF and cannot be connected unexpectedly during installation. The LED controller is wired in between the LED DRIVER and LED STRIP. Install the LED DRIVER in accordance with the wiring diagram (Fig 1). Please pay attention to the polarity, RED only = Positive (+), BLACK/RED = Negative (-).

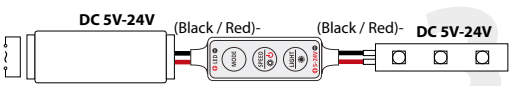


Fig. 1