

## A9950032 ECOdrive DC45W

Constant Current RGB(W) LED driver/controller

The ECOdrive DC45W is a highly integrated, cost effective, enclosed and by display easy-to-configure constant current driver/controller for indoor LED lighting applications. The ECOdrive can be integrated in a network or used as a standalone device. With a wide supply voltage of (12V-32V DC), the ECOdrive DC45W is the ideal choice for powering 200mA - 1400mA HB LED's

### Technical specifications:

LED current settings: 200-1400mA (in 50mA steps)

Power output range: 0-45 Watt

Operating supply: 12V-32V DC (Efficiency up to 95%)

Independent LED groups: up to 4

Environmental rat.: Ta range: -20°C to +50°C (-4°F to +122°F)

Tc max: 65°C (149°F)

T heatsink max: 60°C (140°F)

Cooling: Passive (integrated heat spreader)

Relative humidity: non condensing






Network input: USITT DMX-512, LedSync

Network output: USITT DMX-512, LedSync

Network resolution: 8 bit (4 Network channels used by driver) or 16 bit

(8 Network channels used by driver)

Certifications: CE: IEC 61347, EN 55015, IEC61003, EN 61547

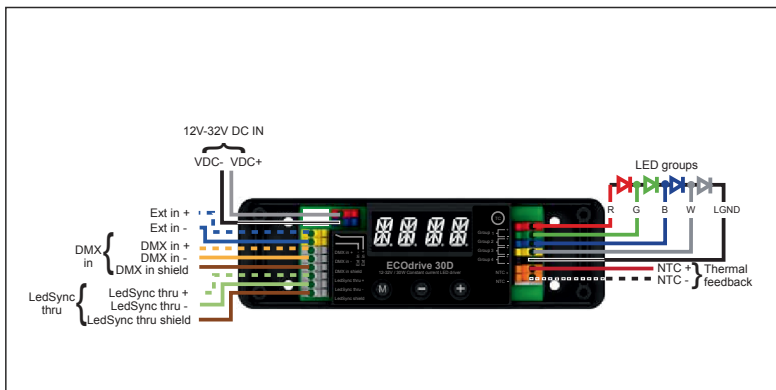
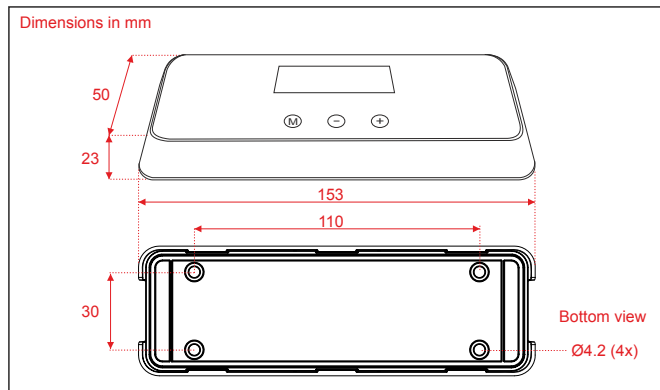
				
0.126	12-32V DC	Class III	IP-20	L 155 mm W 50 mm H 23 mm Dimensions



### Mode Settings: Color (stand-alone with speed and intensity), Show (9-20 sequences), DMX

- DMX control mode:
- a. 1-1L 1-DMX-channels for LED group 1) (group 2+3+4 are disabled)
  - b. 2-2L 2-DMX-channels for LEDgroup 1+2) (group 3+4 are disabled)
  - c. 3-3L 3-DMX-channels for LED group 1+2+3) (group 4 is disabled)
  - d. 4-4L 1-DMX-channels for LED group 1+2+3+4)
  - e. 2-4L 2-DMX-channels for 2 LED groups 1+2 & 3+4)
  - f. 1-4L 1-DMX-channels (4 groups 1+2+3+4)
  - g. RGB 3-DMX-channels for 3 LED groups (Red & Green & Blue)
  - h. RGBW 4-DMX-channels for 4 LED groups (Red & Green & Blue & White)
  - i. RGBA 4-DMX-channels for 4 LED groups (Red & Green & Blue & Amber)
  - j. RRGB 3-DMX-channels for 4 LED groups (2x Red & Green & Blue)
  - k. RRGB 3-DMX-channels for 4 LED groups (1x Red & 2x Green & 1xBlue)
  - l. CCWW 2-DMX-channels for 4 LED groups (2x same color & 2x White)
  - m. CWWW 2-DMX-channels for 4 LED groups (1-group & 3-groups)

- Ext input mode:
- 1. POTM: 0-10V (turn off or dim the light)
  - 2. SWITT: Show sequence





## Connecting and configuring the ECOdrive 30



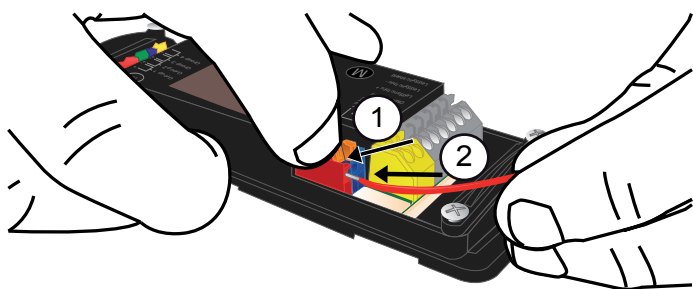
A Removing the cover



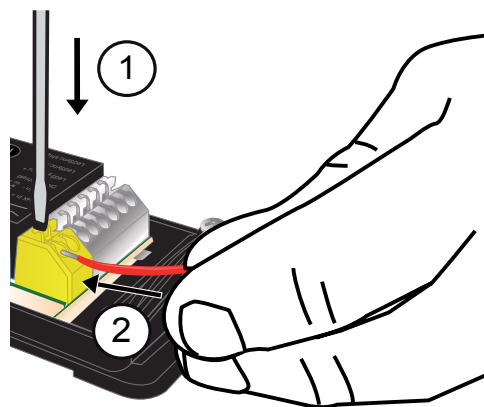
B Removing the strain reliefs



C Connecting LED wires



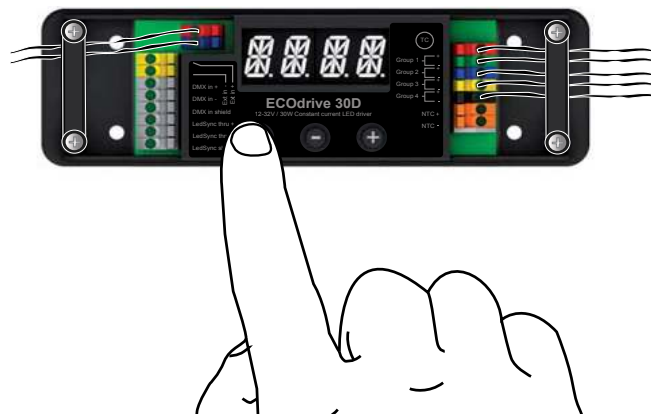
D Connecting power supply wires



E Optional: Connecting external control device or network cabling



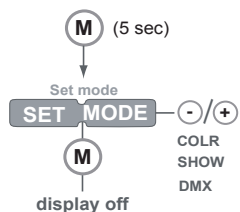
F Fastening the strain reliefs



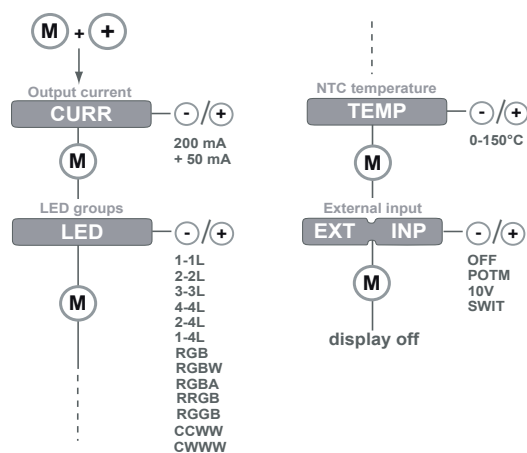
G Configuring the ECOdrive

## Manual configuration

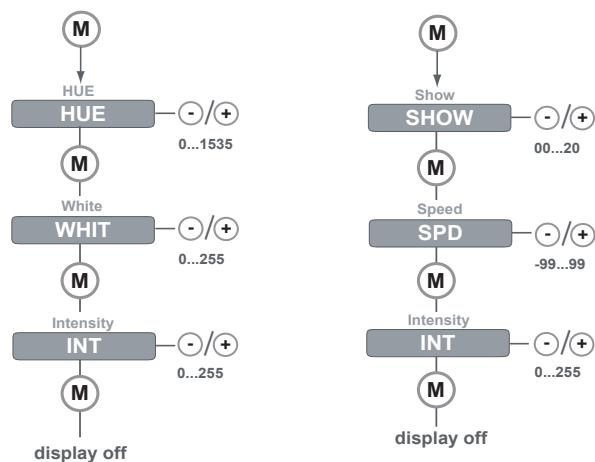
## 1. Select mode of operation:



## 2. Set LED current and LED groups:



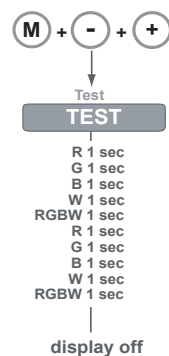
## 3. Standalone operation - Colour\* - or Standalone operation - Show - or Networked operation - DMX mode -



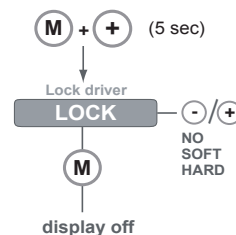
\* The colour menu depends on the LED group settings you have selected in step 2.

## Other features

## Visual test run of connected LEDs



## Locking the configuration:



## Reset to factory defaults

