



## Introduction

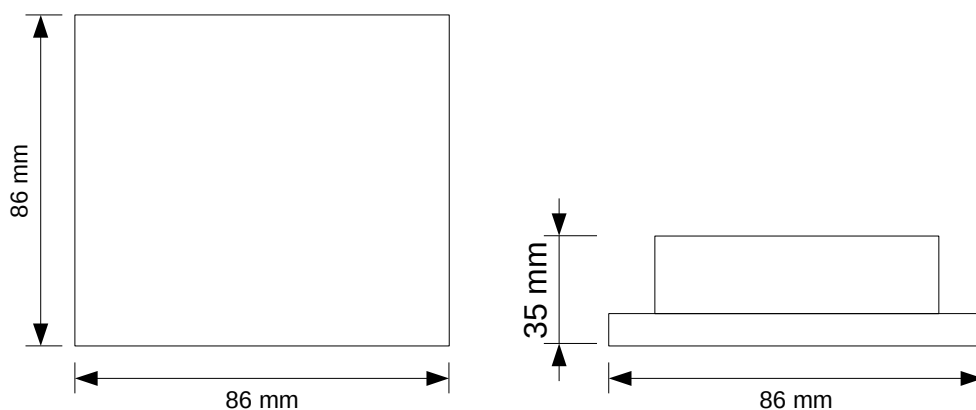
The module Controlador/RGB/PWM is a RGB or RGBW controller for LED lighting. With a touch panel the user can define the color and the light intensity, also can do a program with 3 different colors. Easy to install built-in wall.

## Electrical Characteristics:











Module input voltage:	12 to 24 V DC
Maximum output power:	120 W
Maximum output current:	2A per channel (in case there is a need to control systems with more than 2A per channel, a repeater module is necessary)
Output:	Ground PWM drive signal

## Dimensions:

Length x Width x Height: 86 x 86 x 35 mm



## Operation principle:

	<p>Play&amp;Pause button for the colour transitions working mode. This way, the shift between colours is made in a smooth way.</p> <p>One touch to start the colour transition mode, another touch pauses the colour transition mode.</p>
	<p>RGB global lighting control. All the RGB colours are raised and lowered in the same proportions (Red, Green and Blue).</p> <p>The lighting regulation is made by pressuring the button until the intended lighting is achieved. To reverse the lighting regulation direction, the button should be released and pressed once again.</p>
	<p>Increases the colour transition working mode speed.</p>
	<p>Lowers the colour transition working mode speed.</p>
	<p>This button the recording of up to 3 RGB colours. If the button is pressed when the colour transition mode is running, the module saves the colour shown at that time the button was pressed. The intended colour can also be selected through the colour wheel  and by pressing the button to save the intended colour.</p> <p>Another way to select the intended colour to be saved is to pick each of them through the red <b>R</b> green <b>G</b> and blue <b>B</b> buttons individually, adjust the intended lighting and then press the <b>S</b> button to save the colour.</p> <p>The module allows RGB colours to be saved by default through the “S” button. But can be replaced by other RGB colours.</p> <p>To save the intended RGB colour it is necessary to press the “S” button for 5 seconds until the LEDs blink. When this happens it means it was successfully saved.</p> <p>To select the saved colour, just press the “S” button until the desired saved colour is found.</p>
	<p>Use this button to change between Warm White, Cool White and Cool White. (through the mix of the 3 RGB colours)</p>
	<p>Touch wheel colour. By pressing anywhere inside the wheel, the RGB bar acquires the colour that was pressed on the wheel.</p>
	<p>Button to turn the module on and off. After the module is on, if you press this button for a while, a “reset” is done to the module and it starts to work with factory default settings.</p>
	<p>Button to control each channel independently. If it is pressed for a little time, it turns each channel on and off. If pressed, for a while for the first time, it increases the lighting; if pressed for a while for a second time it will decrease lighting.</p> <p>On the corner of the panel there is a lighting signal, blue means on, red means off.</p>

Blue means that this is on, red means off.

## Connections Scheme

### Direct control through the module

