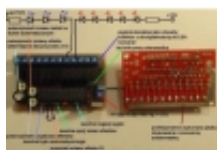


Link to the product: <https://stair-lighting.com/led-driver-awesome-dynamic-visual-effects-leds-p-284.html>



LED Driver - awesome dynamic visual effects LEDs

Price	64.42 Euro
Availability	On order
Shipping time	5 days
Number	284
Manufacturer	RESTAN

Product description

This is a driver for 12-channel PWM output transistors npn (version 1) or mosfet (version 2) is intended mainly to control the LEDs. This driver can be used in the advertising industry to control lighting LEDs, for displaying subtitles, etc. PWM (Pulse Modulation Widht), which is controlled modulation (width) pulses. The layout is simple hardware side, but his whole strength lies in sofwarze. These are the visual effects and I urge you to watch movies presentation. The controller is programmed for more than 30 lighting effects using the PWM wave, which is dim or brighten the LEDs. However, by utilizing negate these effects will be more than 50

PWM control known for many years is being increasingly used in many fields of electronics and electrical engineering. Its main advantages are simplicity of control and efficiency. By the performance is meant here a very high efficiency of this type of control. Controlling effect on the receiver that is secreted through the transistor, the power emitted on it is very small for the power absorbed by the receiver. So is the high efficiency. This is because the losses are only on the transistor during its clogging, saturation, and during the transition from one state to another. PWM control is an 8 bit is 256, ie plantains filled. So the brightness can be adjusted from 0% to 100% in increments of approximately 0.4%.

DESCRIPTION OF THE DRIVER:

In the driver to change the mode of effect, you can use any button contact (S1 pictured) or you can change the potentiometer. What happens to be altered, the effect depends on the options jumper change effects (see photo). If the jumper is inserted into the effects of changing the key. If it is pulled potejcometrem. The controller has the automatic effect changes. To activate the FUNCTION jumper has been inserted in the automatic mode (see photo). If this jumper is inserted you can not change the effects by using the S1 or potentiometer. Also used funkcję negation outputs. If the jumper negation (see picture) is inserted into the output is normal, and if the jumper is pulled out the outputs are inverted. The rate adjusts the effects of the potecjometrem rate effects (see photo) In the normal mode (not automatic) mode the effect is stored in the EEPROM after power and he is remembered.

- 1) 12 channels of PWM (interesting effects of the wave) - I encourage you to watch movies demonstration
- 2) at the output power transistors mosfet - open drain (version 2) with up to 1A, 2A, 3A per channel, or power transistors npn - Open collector, load capacity to 0.3 A per channel
- 3) by using the service (change of effect), Jumper (auto mode, the negation of outputs, selecting change effects) and potentiometers (speed effect, time effect in automatic mode, changing the effect)
- 4) LEDs can be combined the driver even at several meters lines and thereby gain any length and shape of the mounted LEDs and the effect (no need to mount the LED directly to the driver as shown in filmikach)
- 5) implemented power supply (stabilizer 7805)
- 6) Connector Terminal

The controller designed primarily to control the LEDs. For each channel can connect up to hundreds of LEDs (provided by a 20mA LED current flows, and depending on supply voltage LEDs). For example, LEDs for power supply voltage of 12V can be connected to about 300 standard leds per channel (version 2) or about 50 LEDs per channel (version 1).

It is sold as a driver transistor (npn with load capacity up to 0.3 A per channel). If you are interested in the driver from the power MOSFET transistors up to 1A, 2A or 3A per channel, please contact us.

