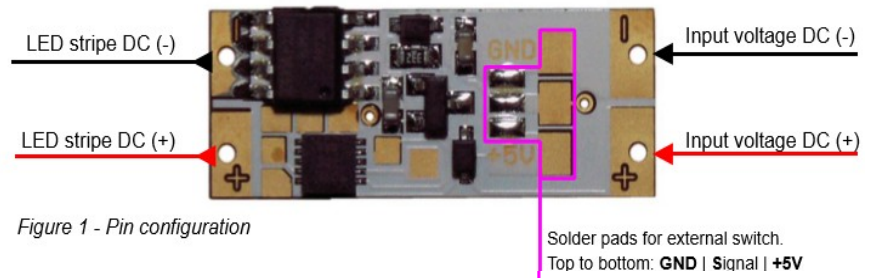


Dimmer for LED Strips

Miniature dimmer / switch is designed for installation in the ALU profiles with LED strips. Designed for external switch. There are ready contacts for connecting any external switch, a touch sensor or other control that has the output transistor with open collector. Soft start / stop saves the eyes. The last light level is stored in permanent memory even if a power supply is disconnected. Allows operation in 3 modes, see below more detailed description.

Input Voltage*	10-28V DC
Max. Current**	10A
Range of Regulation	0-100%
Dimensions	10 x 25mm
Standby Power Consumption	0,07W@12V 0,22W@24V



*) Supply voltage must not be higher than the Maximum voltage of used LED stripe!

**) For 24V power supply only 7,5A!

Connect control switch between GND and S. The third contact is available supply voltage of 5V (max.50mA) that can be used to power supply of another control, such a touch sensor. The input is also logic level sensitive, where the level of L<1V and H> 3.5 V. The level of L is equivalent to pressing the button.

Control

A short push of button turns the LEDs on or off. Turn on and off is smooth. Startup time is approx. 1s from 0% to last set level and shut down time is also the 1s from the current level to 0%. Hold the button for longer than about 3 seconds to start smoothly changing intensity, the release of the button keeps the current level. At each activation of the fading dimmer turns direction of fading. Fading is always stops at the extreme values for approx.2s.

ModeSetting:

Mode 1 -After connecting the power supply is always off.

Mode 2 -After connecting the power supply is automatically switched on in the last set intensity.

Mode 3 - Remembers the state before the power failure.

Dimmers are factory set in Mode 1 If you need to change the mode, follow these steps:

1. Disconnect power supply.
2. Press and hold the button and then connect the power supply.
3. Hold the button for about 5 seconds until LEDs flashes to indicate that the mode was changed.

The number of flashes corresponds to currently the set mode.

4. Release the button, the operation mode is changed.

For further mode change do this procedure again. Modes are switched cyclically 1-2-3-1-2 etc., To move the 2 steps is necessary to do the whole procedure twice.