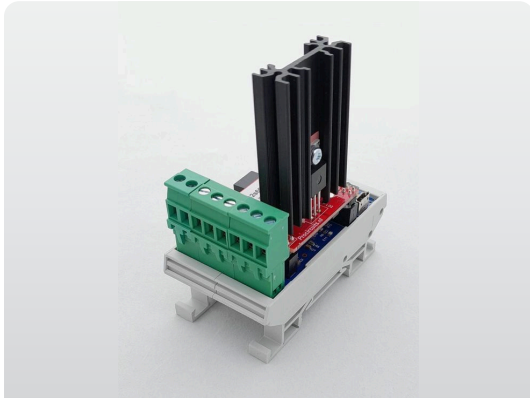


Pulse-contact LED dimmer with display, single button, low-side switched

Article number PR142s66



The PR142s66 dims lighting with a single external pulse contact, through a low-side switched PWM output of up to 3.5 A. A short press switches the lighting on or off, holding the button dims, and a double click takes the output straight to maximum. The limits, dimming speed and dimming curve are set on the display, as is the behaviour at switch-on and after a power interruption. After an adjustable time of 1 to 100 hours the dimmer switches off automatically, so lighting does not stay on unnecessarily.

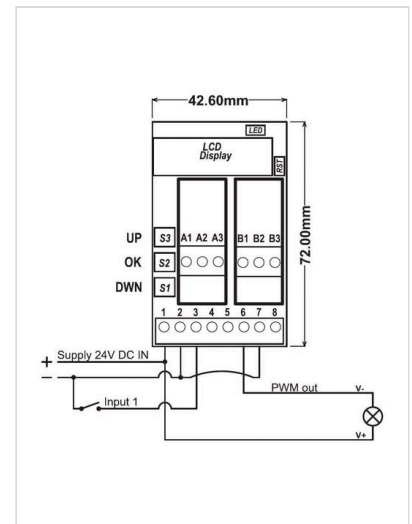
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	24 V DC $\pm 10\%$
Input	One pulse contact (normally open) between terminals 2 and 3
Output	PWM, low-side switched: lighting between terminals 1 and 6
Setup	Display with UP, OK and DOWN buttons
Output current	3.5 A max.
PWM frequency	100 Hz as delivered, adjustable
Ambient temperature	-25 to 55 °C, non-condensing
Dimensions	45 x 83 mm with DIN rail enclosure, 42.6 x 72 mm without
Factory setting	Output lower limit 0 %, upper limit 100 %

Connections

Terminal 1	Supply plus (24 V DC) and lighting plus
Terminal 2	Supply minus, also switch connection; connect externally to terminal 7
Terminal 3	Push-button input, normally open (NO)
Terminal 4	Not used
Terminal 5	Not used
Terminal 6	PWM output, to the lighting minus
Terminal 7	Supply minus; link to terminal 2 with a short wire
Terminal 8	Not used



Setup

1. Connect the lighting between terminal 1 and terminal 6, and the switch between terminal 2 and terminal 3.
2. Link terminal 2 to terminal 7 with a short wire rated for the maximum output current.
3. Apply 24 V DC to terminal 1 (plus) and terminal 2 (minus).
4. Set the lower and upper limit of the output with Dimming MIN and Dimming MAX.
5. Set the dimming speed with Dimming Speed: 1 is the slowest, 100 the fastest.
6. Use Startup mode to choose how the dimmer switches on with the button: 0 = always at 100 %, 1 = at the last dimming level.
7. Use Powerup Mode to choose what the dimmer does after a power interruption: 0 = stay off, 1 = switch on.
8. If required, use Auto off hours to set a time of 1 to 100 hours after which the dimmer switches off automatically; 0 disables this function.
9. Other menu items: Dimming curve (1 for incandescent lamps, around 100 for most LED lamps; only change it if dimming is not smooth), Softstart (0 = off, 1 or 2 = gradual on and off over 1 or 2 seconds) and PWM Freq. (100 Hz as standard; only change it if strictly necessary).
10. Go to the SAVE menu to store the new settings.

More information, price and lead time: www.procircuits.nl/en/products/pr142s66

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