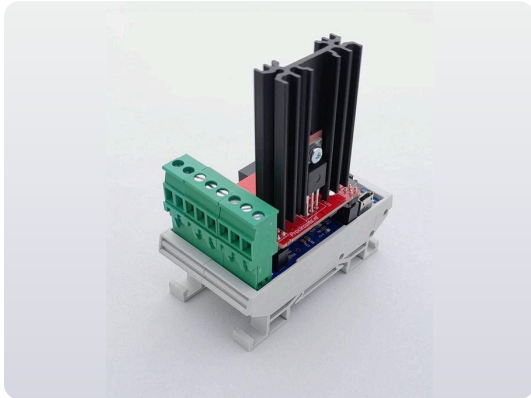


Up/down push-button LED dimmer with display, low-side switched

Article number PR181-X062



The PR181-X062 dims lighting with two external pulse contacts: one to dim up (terminal 3, UP) and one to dim down (terminal 4, DOWN). The PWM output is low-side switched and delivers up to 3.5 A. At start-up the output goes to a default level set on the display, 50 % as delivered. The dimming speed, dimming curve and PWM frequency (3 Hz to 1 kHz) are also set on the display.

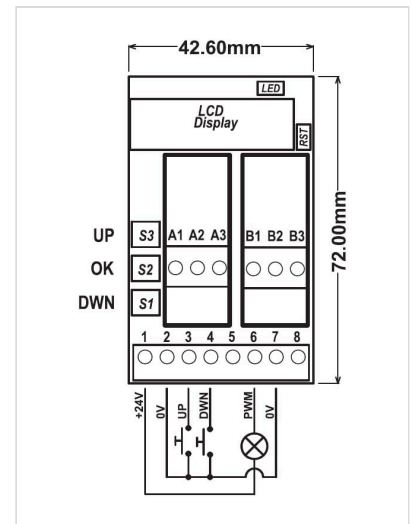
Price on request. Lead time on request. Not in stock? We will make it.

Specifications

Supply	24 V DC $\pm 10\%$
Input	Two pulse contacts: UP on terminal 3 and DOWN on terminal 4
Output	PWM, low-side switched, on terminal 6
Setup	Display with UP, OK and DOWN buttons
Output current	3.5 A max.
PWM frequency	3 Hz to 1 kHz, 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	Default output level 50 %

Connections

Terminal 1	Supply plus (24 V DC) and lamp plus
Terminal 2	Supply minus; connect externally to terminal 7
Terminal 3	UP input (dim up): push button to terminal 2
Terminal 4	DOWN input (dim down): push button to terminal 2
Terminal 5	Not used
Terminal 6	PWM output, to the lamp minus
Terminal 7	Supply minus; link to terminal 2 with a short wire
Terminal 8	Not used



Setup

1. Connect the lamp between terminal 1 (plus) and terminal 6 (PWM output).
2. Connect the dim-up push button between terminal 3 and terminal 2, and the dim-down push button between terminal 4 and terminal 2.
3. Link terminal 2 to terminal 7 with a short wire rated for the maximum output current.
4. Apply 24 V DC to terminal 1 (plus) and terminal 2 (minus).
5. Use Default output to set the level at which the output starts up.
6. Use Output speed to set the percentage per second by which the output changes while a button is held.
7. Other menu items: PWM frequency (3 Hz to 1 kHz) and Dimming curve (1 for incandescent and halogen lamps, around 100 for most LED lamps).
8. Go to the SAVE menu to store the new settings.

More information, price and lead time: www.procircuits.nl/en/products/pr181-x062

ProCircuits B.V. · Van Nijenrodeweg 903, 1081 BJ Amsterdam, Netherlands · +31 6 45 77 55 93 · willem@procircuits.nl ·

Chamber of Commerce (KVK) 87009870

We supply businesses only.