



## Device screens

### OLED display



### Active hours

Operating hours set manually or based on the astronomical clock.



### Poziomy jasności

We set the maximum LED brightness.



### Rest light

Constant illumination of selected steps



### Kontrola pracy

Input simulation and status monitoring



StepSensor01

The AutoSteps controller creates a decorative visual effect by smoothly brightening and dimming the staircase lighting.

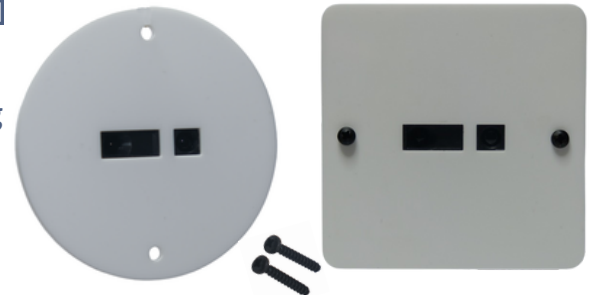
- Power supply: 6-29 VDC
- Power consumption:  $\leq 1$  W
- Operating temperature: 5°C to 55°C
- Storage temperature: -30°C to 70°C
- Output current load: 4A
- Protection rating: IP20



Connect the LED negatives to outputs O1-O18.

Connect the positives permanently to the power supply.

- Number of channels/outputs: 18 or 24 (open collector)
- Number of motion sensors/inputs: 4 (galvanically isolated)
- Animation modes: WAVE, ELEVATOR, CASCADE, BRIGHTENING
- Adjustable fade-in, hold, and fade-out times
- Adjustable maximum brightness
- Supports half-landings
- Supports handrail lighting
- Operating hours:
  - Astronomical clock
  - Fixed hours
  - Based on input no. 4
- Motion sensors can be replaced with buttons.



### Compatible with sensors:

Dedicated motion sensors with a SHARP laser sensor are available for the controller. They feature a potentiometer for range adjustment and an LED indicator. The sensors are designed for installation in a 60 mm junction box.



Providing a ground signal also triggers the output, allowing the controller to work with other sensors such as PIR or open-collector types.

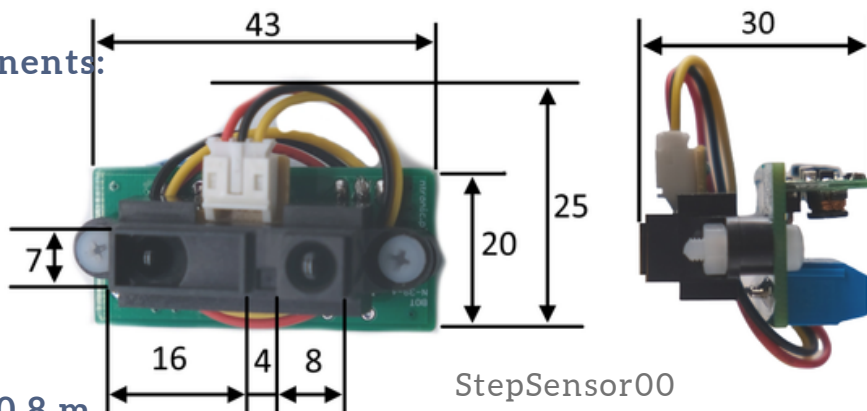




StepSensor motion sensor - based on a laser distance sensor. Detects object presence up to 0.8 m away. Designed to work with the AutoSteps stair lighting controller.

The sensor consists of three components:

- Sharp laser distance detector
- Sensitivity adjustment circuit with a potentiometer and LED
- Cover for a 60 mm junction box



Power supply: 6-29 VDC

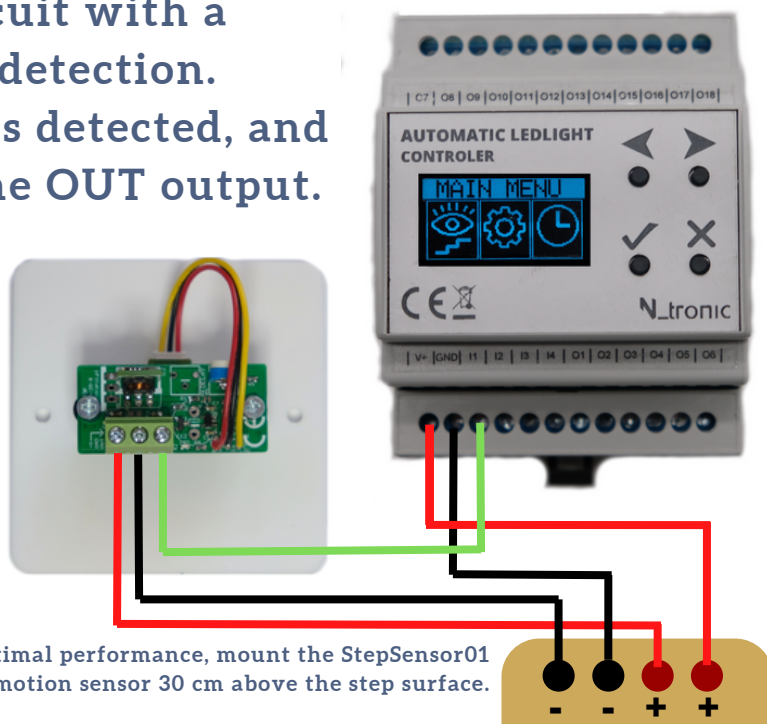
Detection range adjustment: up to 0.8 m

Mounting: fits a 60 mm junction box.

The LED on the adjustment circuit with a potentiometer indicates object detection. When the LED is on, an object is detected, and a ground signal is present on the OUT output.

The system is calibrated by adjusting the potentiometer so that it detects an object on the stairs directly in front of the sensor while not responding when the object is removed.

Place an object at the maximum detection distance and turn the potentiometer until the LED lights up. When the object is removed, the LED should turn off.



For optimal performance, mount the StepSensor01 motion sensor 30 cm above the step surface.



StepSensor01



StepSensor02



StepSensor03



StepSensor04

