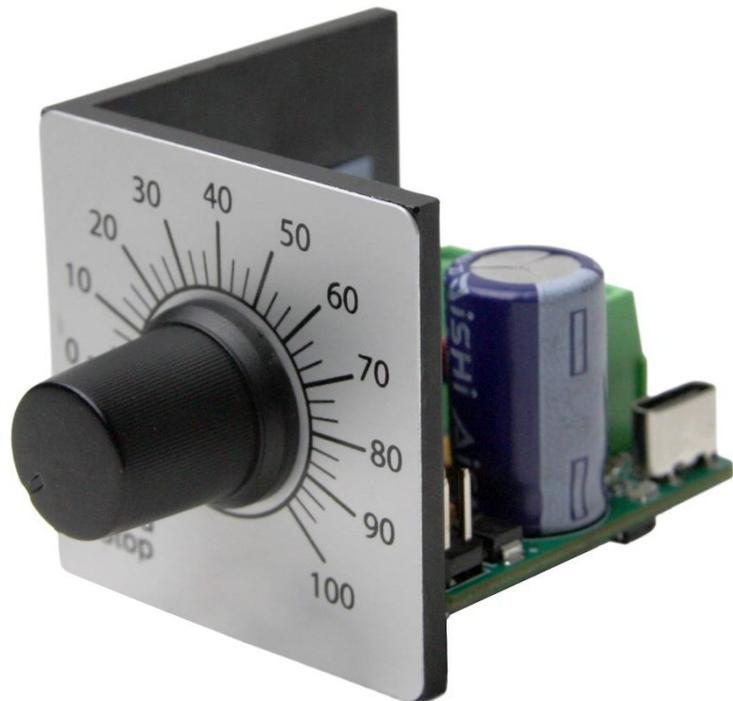


## Features

- Potentiometer and USB speed control
- Supply voltage 12 to 24 VDC
- Automatic load compensation
- Speed stabilization without an encoder (BEMF based)
- Free software for parameters setting
- Motor overload protection with adjustable current limiting 0.5 to 12 A
- Soft start and stop settings
- Fully-featured PID controller
- Short circuit protection (external fuse not required)

## RS PRO, Built-in DC brush motor speed controller, USB, Potentiometer, 12 → 24 V, 12A, Speed stabilization

RS Stock No.: 717549



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product

Built-in speed controller for DC brush motors with a maximum voltage of 24VDC and power up to 300 W. The controller provides load compensation and stabilisation of rotation speed without an encoder based on the back EMF of the motor. The device is equipped with a fully-featured PID controller and allows achieving ideal drive operation for any operating speeds and loads.

The device provides the function of precise adjustable motor overcurrent protection.

## General Specifications

Compatible Motor Type	DC brush motors
Phase	1
Control Input	Potentiometer, USB
Operating Modes	Close loop speed control (BEMF, no encoder needed)

### Display

Status operation indicator	Green and red LED
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## Electrical Specifications

DC Motors up to	300 W
Supply Voltage	12VDC to 24VDC
Current Rating	Up to 12A
Voltage Rating	12VDC to 24VDC
Maximum Output Voltage	24V
Current limiting setting	0.5 A to 12 A
Short-circuit protection	5 A to 17 A, 55 $\mu$ s

### Inputs

Potentiometers	4
Functionality Of The Potentiometers	Speed control, current limit, max speed limit, min speed limit

## Mechanical Specifications

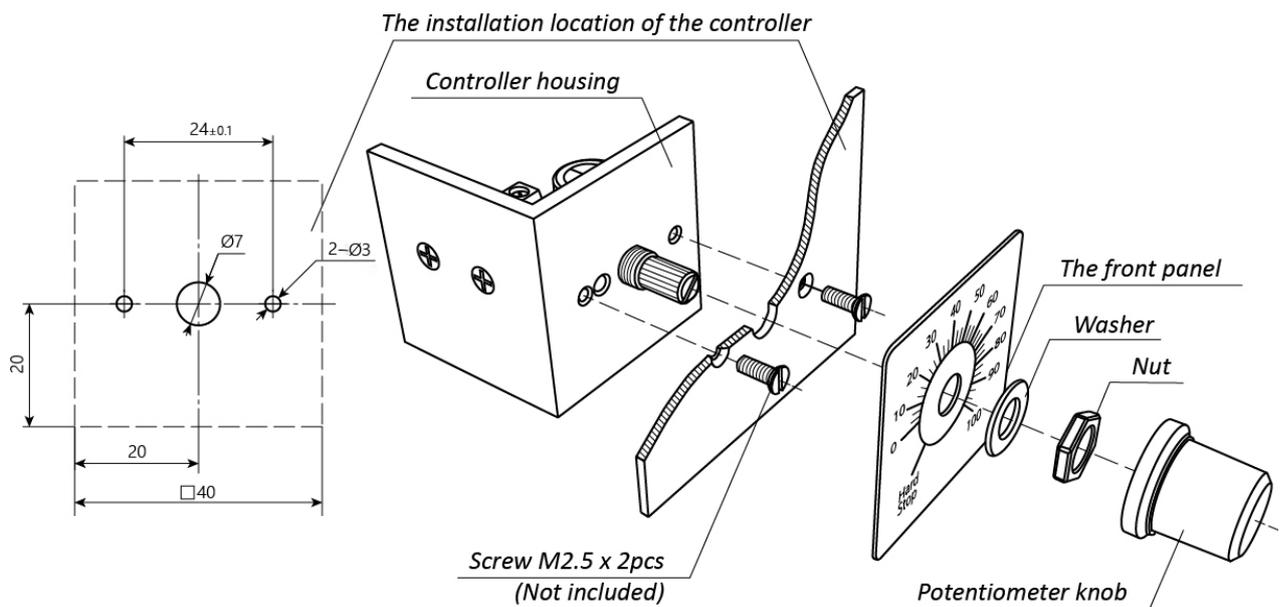
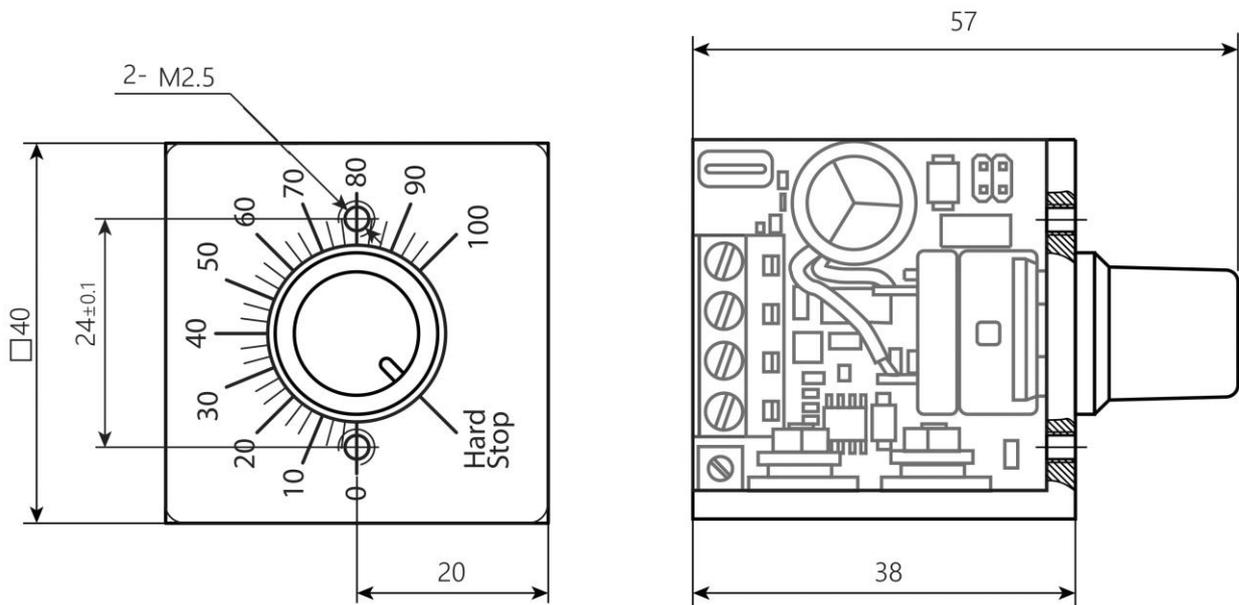
Mounting Style	Built-in Mount
Dimensions	40 mm x 40mm x 57mm
Height	40 mm

Width	40 mm
Depth	57 mm
Weight	0.06 kg

## Operation Environment Specifications

Operating Temperature Range	0°C to 40°C
Humidity (non-condensing)	up to 90%

### Dimensions and installation:



## Connection:

