

# BMD-20DIN ver.2

## DC BRUSH MOTOR DRIVER



BMD-20DIN ver.2 is a DC brush motor speed controller. The controller provides different methods of motor speed regulation, using potentiometers, analog or PWM signal. Acceleration and deceleration time are also adjustable. This motor speed controller provides current limitation function to prevent motor overloading.

### Technical parameters

Voltage	12 - 24 VDC
Max. motor current	0.2 - 20 A
Peak motor current	30 A
Analog speed control	0...5 V, -10...10 V, 4...20 mA, PWM
Speed control range	1 : 100
Max. resistance of closed contacts	4.7 kOhm
Max. current consumption of the controller	0.5 mA

### Inputs for external discrete signals

- START/STOP – to start and stop the motor
- DIR – to control the rotation direction
- HARD STOP – emergency stop signal

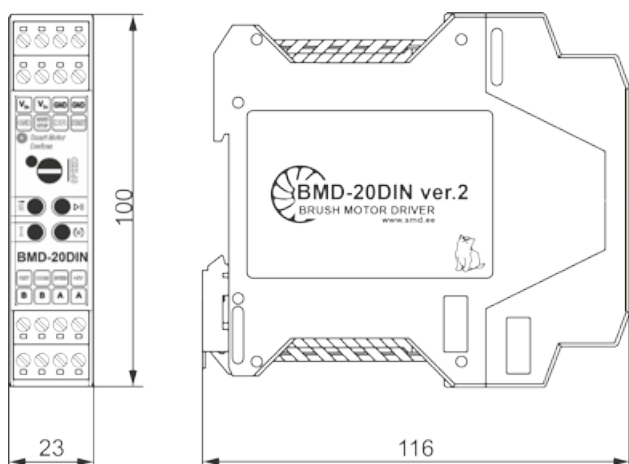
External signals START/STOP and DIR can be used as per the signal level or per front edge of the signal.

### Speed control

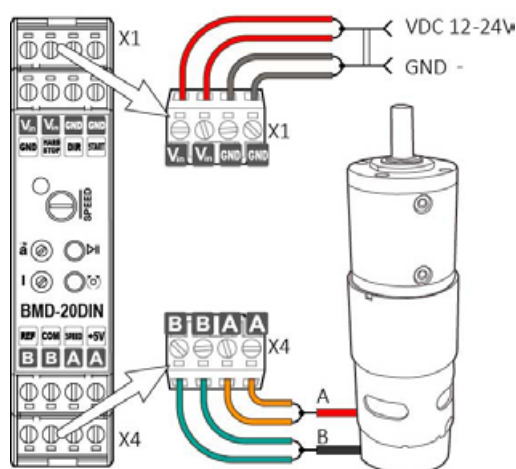
- internal potentiometer;
- external potentiometer;
- analog signal 4...20 mA;
- analog signal -10...+10 VDC;
- analog signal 0...5 VDC;
- PWM regulation.

Acceleration, direction and deceleration are set by internal regulators included in the design of the device.

### Dimensions



### Connection example



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**SMART MOTOR DEVICES**  
DRIVERS AND CONTROLLERS FOR ELECTROMOTORS