

# UAV EFI SYSTEMS

## BRUSHLESS MOTOR CONTROLLER > **BMC03**

The **BMC03** brushless motor controller has been specifically designed to manage drones fuel pumps.

It is able to control the motor speed with independence of the supplied voltage which is very useful in returnless fuel systems with pressure control.

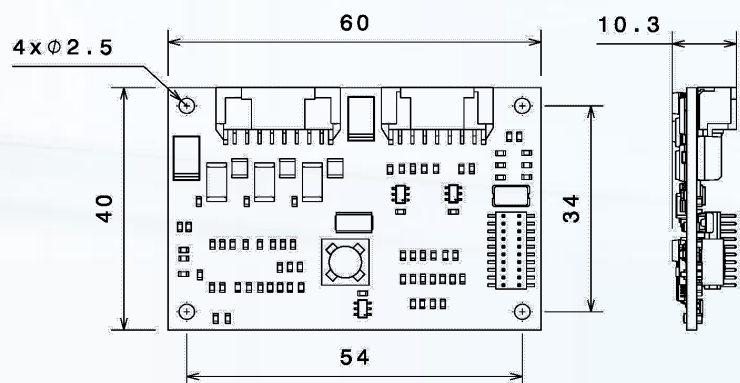
### Features

- Soft start and stop sequencies to extend fuel pump life
- Closed-loop control of the pump speed independent of the supplied voltage
- Compatible with motors without speed sensor
- Real-time monitoring of the controller supply voltage, motor phase induced voltages and currents, and actual speed
- Motor and PCB temperature monitoring
- Diagnosis and *fail-safe* control modes
- Hourmeter



### Specifications

- **Analog inputs:** supply voltage, motor temperature, microcontroller temperature, MOSFETS temperature
- **Digital inputs:** desired speed (PWM 50 Hz; 1÷2 ms), motor measured speed
- **Commutation frequency:** 10÷80 kHz
- **Communications:** CAN Bus
- **Power supply:** 10÷30 VDC
- **Maximum phase current:** 10 A (peak)
- **Continuous phase current:** 3 A (maximum)
- **Weight:** 16 g



Dimensions in mm