

2A Dual Motor Controller



Brand: [DFRobot](#)

Product Code: DRI0002

Introduction

This is a 4.8-46V, 2A Dual Motor Controller which is the revised version of the DF-MDV1.0. Its performance has been improved greatly. It can bear larger current due to the increased heat sink dissipation. It is easy to control, using LGS's outstanding high-power motor driver chip, the L298N. This chip allows for direct drive of two bi-directional DC motors, and incorporates high-speed short diodes for protection. Drive current up to 2A per motor output. The driver uses a broad-brush design to reduce wire resistance.

Specification

- The logic part of the input voltage: 6 ~ 12V
- Driven part of the input voltage V_s : 4.8 ~ 46V
- The logical part of the work current I_{ss} : 36mA
- Drive part of the operating current I_o : 2A
- Maximum power dissipation: 25W ($T = 75$ degree Celsius)
- Control signal input level:
- High level: $2.3V = V_{in} = V_{ss}$
- Low: $-0.3V = V_{in} = 1.5V$
- Operating temperature: -25 degree Celsius ~ $+130$ degree Celsius
- Drive Type: Dual high-power H-bridge driver
- Module Size: 47 mm $\times$ 53mm
- Module Weight: About 29g

Documents

- [Wiki Doc](#)
- [Schematics](#)

