

FT DUAL POWER DRIVER



Rating: Not Rated Yet

Price

£218.00

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Description

FEATURES

The FT Dual Power Driver has two half bridge outputs that allows the activation of up to 25A current. With two half bridge outputs the DPD can drive a single motor in two directions, or two motors in a single direction. Able to drive high speed PWM (using PWM ECU output). Its robust hardware brings very low delay on activation, allowing the use of controls that use high speed PWM signal.

TECHNICAL DESCRIPTION

- Power: 9V to 30V
- Max outputs current (total): 25A
- Peak current: 100A to 10ms
- Operating voltage: 9V to 30V
- Max operating frequency: 25KHz @ 30V
- Input trigger level LOW: <1.3V
- Input trigger level HIGH: >1.6V
- Switching delay: - High to low: 5.6 ?s - Low to high: 6 ?s

2-way cable (Inputs)

Wire color	Function
Red	Input #1 (yellow or gray output from FT ECU)
White	Input #2 (yellow or gray output from FT ECU)

4-way cable (Power and Outputs)

Wire color	Function
Black	Battery negative
Brown	12V from relay
Blue	High current output #1 (plug to actuator)
Green	High current output #2 (plug to actuator)

eGate installation diagram

- Input #1 - Red wire from FT DPD (connected to an ECU yellow output (#1-3-5-7) of the PowerFT ECU - **eGate Motors**)
- Input #2 - White wire from FT DPD (connected to an ECU yellow output (#5-4-6-8) of the PowerFT ECU - **eGate Motors**)
- Blue output from FT DPD connected to the eGate red wire (Single core - **eGate Motors**)
- White output from FT DPD connected to the eGate black wire (single core - **eGate Motors**)
- Red from eGate multi core wire - connected to the IV output (green wire) of PowerFT ECU
- Black from eGate multi core wire - connected to the battery negative
- Position** - White from eGate multi core wire - connected to the white input of PowerFT ECU (Position signal)
- Temperature** - Orange or Yellow from eGate multi core wire - connected to the white input of PowerFT ECU (Temperature signal)
- Blue from eGate multi core wire - Not Used
- When using **gray outputs** it is necessary to

use a 10K 1/4W resistor in each output

11. 10K 1/4W resistor pul/pin 12V

NOTE
The black wire from the DPD and the black wire from the eGate must be run completely separately to the battery negative post. They can join at the post, but nowhere before to avoid back feeding.

IMPORTANT
In order to use a gray output to drive the FT DPD, it is necessary to install a 10K 1/4W resistor in this output.

Dimensions:

DPD: 2.16 x 2.16 x 1.10 in (W x H x L)

Weight:

FT Dual Power Driver: 7.76 oz

Package DPD: 0.00 oz

Contents of packaging:

1 FT Dual Power Driver;

1 Users Manual

1 Mounting kit

Reviews

There are yet no reviews for this product.