Quick Start Guide

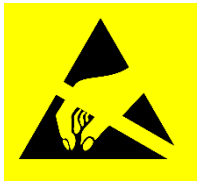
Titan™

BLDC Intelligent Servo Motor
Item No. OVU00212 & OVU00213

Thank you for purchasing Overview's Titan Servotorq Intelligent Servo Motor.

To quickly get up and running with your Titan motor, please refer to the Technical Manual, the I²C Protocol Guide and Application Notes located at:
http://www.overview.co.uk/rs-components-support

Please observe the following precautions when handling and operating the Titan motor:



- The Titan motor uses semiconductors which can be damaged by electrostatic discharge (ESD). The motor must be handled and stored in an ESD safe environment.
- The Titan motor supply voltage is 12V DC, using up to 600mA. Do **not** hot-plug the power supply.
- I²C interface voltage is 3.3V and requires pull-ups to this voltage. It is **not** tolerant of higher voltages, e.g. 5V.

Reference Information:

When initially powered up, the Titan motor will perform an initialisation routine as detailed in the Technical Manual. During this routine, the unit will rotate and temporarily draw the max rated current.

Overview Limited
Overview House Kingswey Business Park Forsyth Road Woking GU21 5SA United Kingdom

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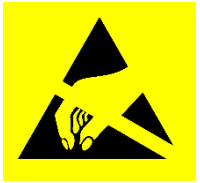

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OVZ20002 Rev 3

Quick Start Guide

Overview Agile Positioning Systems

Titan™

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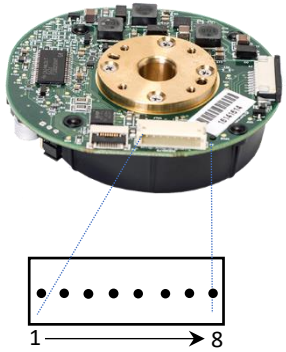
Item No. OVU00212 & OVU00213

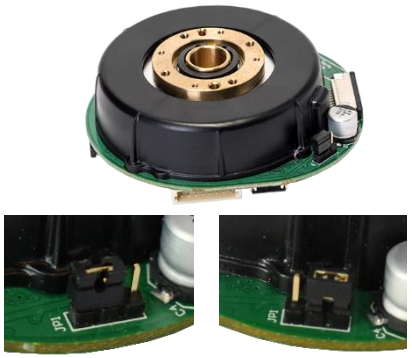
Titan motor pinout reference (please see the Technical Manual for further details):

While there are 3 connectors on the Titan motor that allow for power and I²C connections, J5 is the most convenient to use for initial testing and is detailed here.

- Connector type: – JST S8B-SM4A-TF 8-way (JST SH series).
- Mating housing part: ZHR-8 (JST)
- Pre-crimped leads: SH3-SH3-28300

J5 Connectors	
Pin	**Signal**
1	Vin 12V DC
2	12C SDA
3	12C SCL
4	PASS THROUGH 3
5	PASS THROUGH 4
6	PASS THROUGH 2
7	PASS THROUGH 1
8	GND





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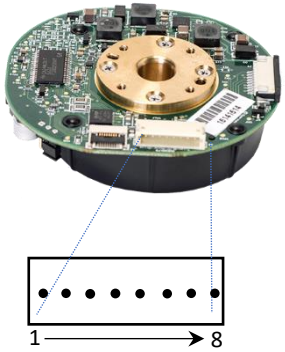

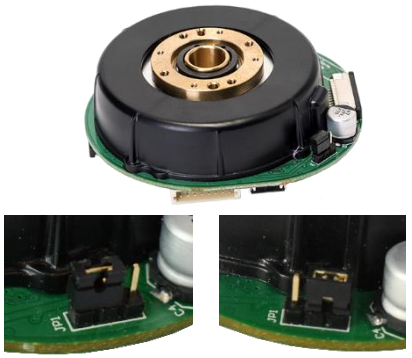

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