



Overview Titan Servotorq Integrated Servo Motor User Guide

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Titan™ Servotorq™ Integrated 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/technical-support/>

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



- The Titan motor uses semiconductors that 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.

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Reference Information:

When initially powered up, the Titan motor will perform an initialization routine as detailed in the Technical Manual.

During this routine, the unit will rotate and temporarily draw the max-rated current.

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: <https://uk.rs-online.com/web/p/pcb-connectorhousings/3116546/>
- Pre-crimped leads: <https://uk.rs-online.com/web/p/products/3116675/>

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

Overview Titan Servotorq Integrated Servo Motor

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Documents / Resources

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