

TSM

TSM11 Quick Setup Guide



Requirements

You will need these items to set-up the TSM11:

- A 15 - 30 volt DC (24VDC nominal) power supply
- A PC running Windows XP, Vista, Windows 7, 8, 10, and 11 (32-bit or 64-bit)
- A mating cable(for power, I/O and communication connection, included in package)
- A RS-485 converter
- Download *Step-Servo Quick Tuner* software from Applied Motion Products' website

Step 1

- Visit www.applied-motion.com/products/software to download the Step-Servo Quick Tuner software
- Install the *Step-Servo Quick Tuner*
- Connect the drive to the PC using RS-422/485, it is recommended to set up in a 4-Wire configuration (Please Refer to "Communication Wiring" on the back page)

Step 2

Connect the Power Supply

- Connect the power supply "+" terminal to the drive "+" terminal & the power supply "-" terminal to the drive "-" terminal using AWG26 wire.

Be careful not to reverse the wires. Reversing the connection may open the internal fuse and void the warranty.

- If a regulated power supply is being used, there may be a problem with regeneration that can be solved with the use of a Applied Motion Products RC880 Regeneration Clamp. Please see the Applied Motion Products website or the TSM11 User Manual for more information.

Note: As with any integrated motor, the TSM11 must be mounted so as to provide maximum heat sinking and airflow. Keep enough space around the Integrated Motor to allow for airflow.

Standard Model

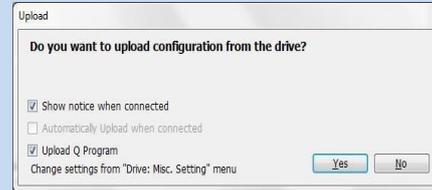


Daisy Chain Connector Model



Step3

- Open the Step-Servo Quick Tuner software on your PC.
- Select communication port for the Motor.
- Apply power to the TSM11.
- The software should automatically identify the motor model number upon power up and display the 'Upload' panel
- Click "yes" to upload the drive configuration



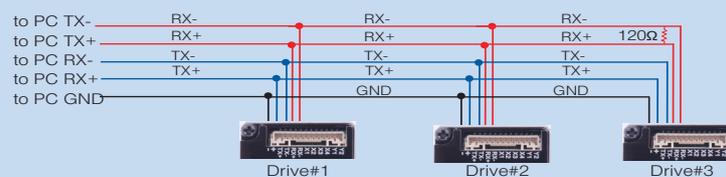
- Begin configuring the motor according to your application requirements, See the software help file for details.
- When ready to test your configuration, click Download All to Drive.

Communications Wiring

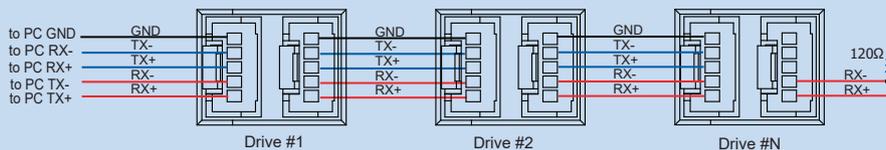
If the PC does not have an RS-422/485 serial port, a converter is required. Applied Motion Products part number 8500-003 is an excellent choice for USB to serial conversion.

Four-wire System communication wiring is highly recommended for TSM11.

Standard Model

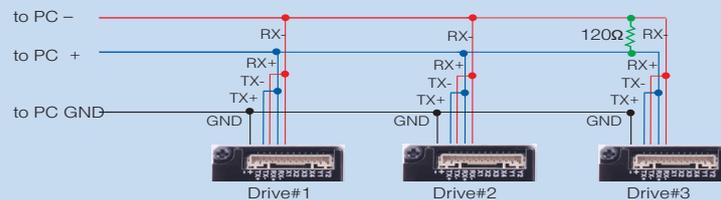


Daisy Chain Connector Model



Two-wire System communication, please allow minimum 10ms transmit delay, This can be made over the network using the TD command, or it can be set using the Step-Servo Quick Tuner software.

Standard Model



Daisy Chain Connector Model

