

DINGS' MOTION USA™

....Precision Motion Specialists

Tomorrow's Technology for Today's Application™



Add torque
control capability
to your stepping
system!

Design smart with ServoTrack™

ST484 STAND ALONE DRIVER AND PROGRAMMABLE MOTION CONTROLLER

Features

- HMI Interface
- USB Programming Interface
- Multifunction diagnostic LED
- SnapTrack™ Programming Software
- Secondary Encoder input for electronic gearing OR camming
- Secure screw terminal connectors
- 35 mm Din Rail or Panel mountable
- Distributed Motion for Multi-Axis Control
- Control motors from size Nema 8 to Nema 34

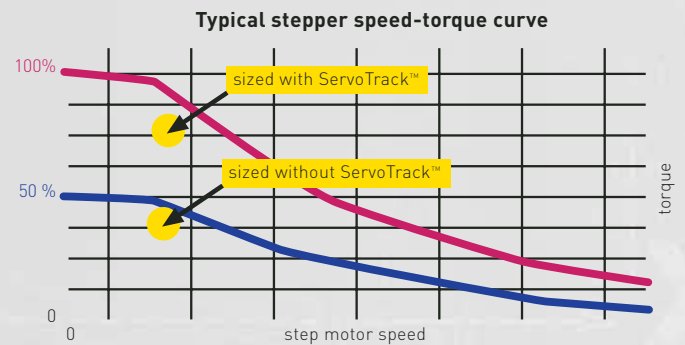
Specifications

- Input Voltage:** 12-48 VDC
- Variable Control Modes:** Rotary Torque Control
Linear Force Control
- Current:** 4 Amps/Phase RMS
- Control:** Dynamic Closed Loop or Open Loop
- Programmable I/O's:** 3 Digital Inputs (5V-24V)
3 Digital Outputs (5V-24V)
1 16-Bit Analog Input
- Microstep Resolution:** Up to 256 μ steps/step
- Communication:** Serial RS485

Key Benefits:

- Solve applications previously considered too demanding for stepper Systems.
- Reduce system cost with an enhanced stepper based system.
- Do you need torque control in your stepper system?
- Does your system stall due to transient loads or friction?
- Eliminate unintentional stalling or loss of synchronization.
- Increase throughput efficiency
- Reduce motor heating and energy costs with variable current control
- Optimize the torque utilization of your motor
- Greater compliance with inertial mismatch

Never lose position



ServoTrack™ control for real-time response. It continually monitors the relationship between the rotor and stator at nano-second intervals, and will not allow that relationship to exceed the point where motor synchronization is lost.

SNAPTRACK™ PROGRAMMING

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- Simple and powerful programming
- “Block” programming
Eliminates traditional “coding” and syntax learning
- Creates buttons with labels with underlying programs that can be executed with a simple click
- User-friendly software

TYPICAL PROGRAMMING BLOCKS

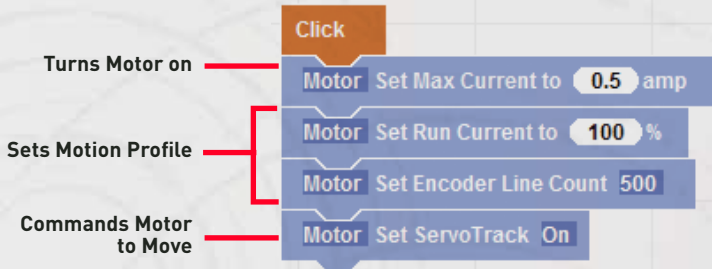
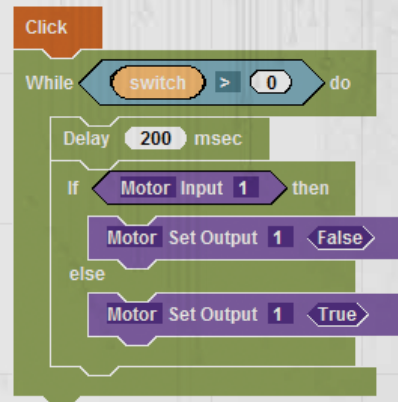


Figure 1. Push Button Block Program, Click and Set Motor



COMPUTER PROGRAMMING INTERFACE

Touchscreen programming (optional)





Features

- HMI Interface
- USB Programming Interface
- Multifunction diagnostic LED
- SnapTrack™ Programming Software
- Secondary Encoder input for electronic gearing OR camming
- Distributed Motion for Multi-Axis Control (Master and Slave)

Specifications

Input Voltage:	12-48 VDC
Variable Control Modes:	Rotary Torque Control Linear Force Control
Current:	4 Amps/Phase RMS
Control:	Dynamic Closed Loop or Open Loop
Programmable I/O's:	3 Digital Inputs (5V-24V) 3 Digital Outputs (5V-24V) 1 16-Bit Analog Input
Microstep Resolution:	Up to 256 μ steps/step
Communication:	Serial RS485

For more detailed information...

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