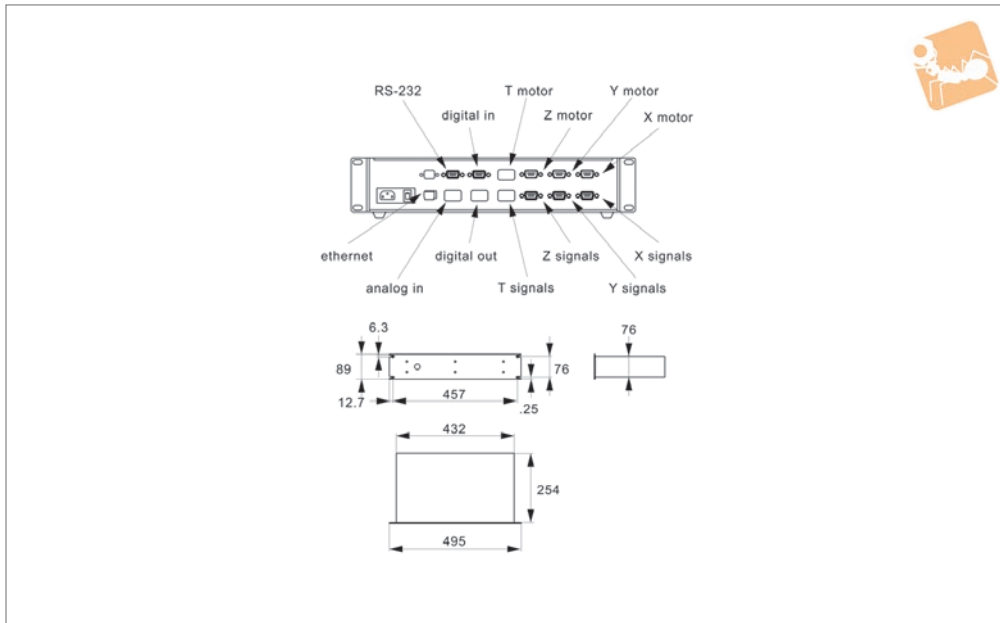




L3524

MOTORISED LINEAR STAGES

Material

Incorporates a Motorola 32 bit microcomputer. Configurable to run up to four stepper or servo motors. For 2/4 phase bipolar stepper motors.
Power input 100-240V AC, 47-63 Hz.

Technical Notes

Communication: RS-485 (up to 19,2 kbps)
10 Base-T Ethernet.
Encoder feedback: High speed differential

inputs up to 12Mhz.

Number of I/O: 4 x inputs, 4 x outputs.
Program and data storage: 1000 lines x 80 characters. 510 variables. 8000 array elements in up to 30 arrays.
Easy programming with simple command language. Communication drivers are available for Windows, .NET, Mac OSX and Linux.

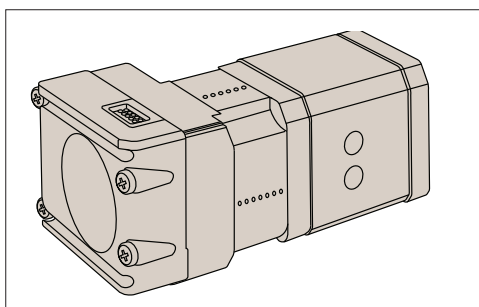
Operating temperature 0°C to 50°C, humidity 20-95%.

Can be plugged into, and control up to four axes simultaneously. Comes with cables and software. Simple plug and play system via USB port of your laptop or PC. Micro-stepping is the number of steps per revolution of the motor output shaft.

Tips

Can be plugged into, and control up to four axes simultaneously. Comes with cables and software. Simple plug and play system via USB port of your laptop or PC. Micro-stepping is the number of steps per revolution of the motor output shaft.

Order No.	No. of axes	Encoder	Voltage for stepper driver	Output current continuous Amps	Output current peak Amps
L3524.ST2X	Two stepper	No	24V DC	-	3
L3524.ST2X-E	Two stepper	Yes	24V DC	-	3
L3524.ST3X	Three stepper	No	24V DC	-	3
L3524.ST3X-E	Three stepper	Yes	24V DC	-	3
L3524.ST4X	Four stepper	No	24V DC	-	3
L3524.ST4X-E	Four stepper	Yes	24V DC	-	3
L3524.SV2X	Two servo	No	48V DC	7	10
L3524.SV2X-E	Two servo	Yes	48V DC	7	10
L3524.SV3X	Three servo	No	48V DC	7	10
L3524.SV3X-E	Three servo	Yes	48V DC	7	10
L3524.STV4X	Four servo	No	48V DC	7	10
L3524.SV4X-E	Four servo	Yes	48V DC	7	10



Intelligent stepper motor

- No need for separate motion controller.
- Inbuilt motor, driver and controller.

Options

- Standard
- With rotary encoder (512 line)

Separate motor controllers (single axis)

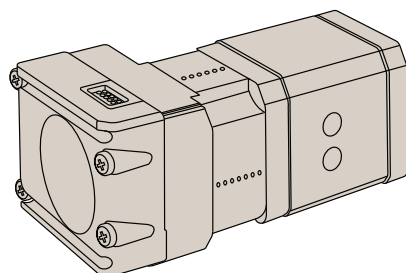
Single axis stepper controller



Single axis servo controller

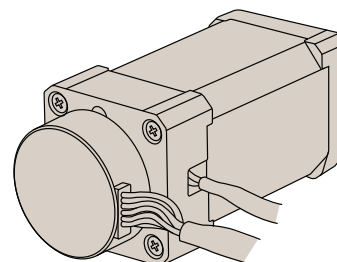


Intelligent stepper motor



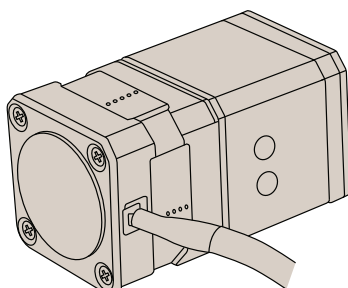
- Standard
- With rotary encoder (512 line)

Stepper motor

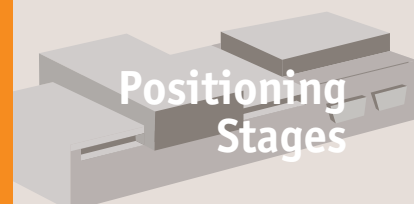


- Standard
- With rotary encoder (1000 line)

Servo motor



- Standard
- With rotary encoder (1000 line)



Controllers



L3294 Single axis stepper motor controller

- Communicate via RS-232 or Ethernet interface
- Uses virtually any programming language



L3295 Two axis stepper motor controller

- Communicate via RS-232 or Ethernet interface
- Programming via Labview, VB, C++ and OSX etc.
- Stand alone programs can be downloaded
- Max output of 1.5A



L3296 Multi axis stepper motor controller

- Communicate via RS-232 or Ethernet interface
- Can control 4 axis and perform coordinated or independent motion of each or all the axis simultaneously
- Uses virtually any programming language



L3297 Single axis servo motor controller

- Communicate via RS-232 or Ethernet interface
- Uses virtually any programming language

Accessories



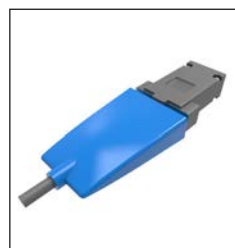
Joysticks



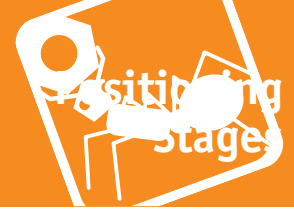
Digital readout



Connector RS232-USB



Connector RS422-USB



These have major benefits as they combine the motor (from size NEMA17 up) with an inbuilt driver and controller.

- Stepper or servo motor versions.
- Simple to install
- CE certified
- Free software programming

Plug and play

- Download free software
- Connect motor to computer (USB port)
- Connect power supply to the motor
- Start controlling/programming

- Low cost solution.
- The I/O points can be set by users to input, output or analogue input.
- NEMA17, 23, 34, 43 and larger sizes available.
- 12-48VDC.
- High torque stepper motors (1.2 to 10.5 Nm).
- Simple Windows software program provided free).
- Also Labview VB etc. programs.
- IP67, Motor brake.
- Optional Joysticks.