



SLC™ Stepper Controller Module (Catalog Number 1746-HSTP1)



Economical, Functional, and Compact

The SLC Stepper Controller Module, 1746-HSTP1, is a low-cost Allen-Bradley motion solution for single-axis, open-loop applications. With an absolute position of over $\pm 8,000,000$ counts, at pulse train velocities of up to 250KHz, the module is versatile yet compact enough to fit in the standard SLC 500™ line of I/O racks.

Motion Profiles

The SLC Stepper will allow the motion profile to be a standard trapezoidal velocity or a blended velocity profile with programmable acceleration/deceleration pulse rates.

Translator Compatibility

The SLC Stepper is compatible with translators that accept differential, single-ended TTL, and opto-coupler inputs. The SLC Stepper is configurable for pulse train and direction bit or CW or CCW pulse train outputs.

Local I/O

The SLC Stepper has six external inputs along with the option for attaching an encoder for position verification and/or homing to an encoder marker.

Backplane I/O

Each SLC Stepper needs eight input words and eight output words.

Programming

No off-line programming software is needed. The motion profile is determined in the RSLogix 500, AI 500, or APS software that is used to program the SLC processor. Values stored in the data table allow the programming of distance, acceleration, deceleration, and velocity for a given move.

Diagnostics and Certification

Five LED indicators aid in quickly identifying and troubleshooting faults. The SLC Stepper meets UL, CSA, and CE requirements.

Spare Allen-Bradley Parts

World Class Motion Control with Worldwide Support

To put the SLC Stepper Controller Module—along with any other Allen-Bradley motion control equipment—to work for you, Allen-Bradley has a worldwide network of sales and service engineers and authorized systems integrators. Together, they offer the industry's broadest range of support services to help you to implement your motion control solution.

- Allen-Bradley Motion Control Area Managers are specialists in motion control, CNC, and servo drive technology. They have the expertise to evaluate your application requirements and to help you to achieve the optimum solution.
- The Allen-Bradley Global Technical Services offers application engineering services, system startup, training, field service, and ongoing product support. They also offer an emergency HELP line—a 24-hour toll-free evaluation and service connection.
- Our network of authorized motion control system integrators can provide complete integration services for new, retrofit, or rebuild requirements worldwide.

For more information on the SLC Stepper Controller Module or any of our support services, contact your nearest Allen-Bradley sales office or motion control distributor.

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Worldwide representation.



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