

CLC-D02.2

Industrial automation components

Manufacturer	Indramat
Catalog number	clc-d022
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.23 kgs
Product Type	Module
Manufacturer	Bosch
CPU Clock Frequency	25.0 MHz
Memory	512 kB battery-backed SRAM
Controlled Axes	Up to 3 coordinated axes or up to 40 independent axes
Serial Ports	2 ports
Display	Seven-segment single-digit LED

Description

The Indramat CLC-D02.2 is a multi-axis coordinated motion control card from Bosch Rexroth's CLC series, designed for advanced motion control applications. This controller integrates seamlessly into DDS drive systems, supporting up to three axes with four coordinated motion jobs or up to 40 independent axes under independent axis control. Powered by a 25.0 MHz CPU and equipped with 512 kB battery-backed SRAM, it offers reliable performance and data retention. The controller features two serial ports: Port A is preconfigured for ASCII Host Protocol, and Port B is fully configurable for additional host protocols or the dedicated Teach Pendant interface. A seven-segment single-digit LED display provides immediate operation status and error codes for streamlined fault identification. The Windows-based Visual Motion interface allows for multi-tasking routine programming, real-time parameter tuning, and comprehensive diagnostic logging. Its compact form factor conserves cabinet space without compromising industrial robustness, ensuring reliable performance under standard automation temperature and humidity conditions. The CLC-D02.2 is ideal for applications requiring precise multi-axis coordination and independent axis control, such as complex robotics and automated assembly lines.