

DLC1.1

Industrial automation components

Manufacturer	Indramat
Catalog number	dlc11
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.20 kgs
Product Type	Single-Axis Positioning Module
CPU Design Variant	1
Firmware Support	Available
Communication Ports	RS 232, RS 485
Operating Temperature Range	0 to 40 degrees Celsius °C
Storage and Transport Temperature Range	-20 to +80 degrees Celsius °C
Allowed Installation Altitude	1000 meters m
Allowed Relative Humidity	90% non-condensing %
Weight	0.20 kg

Description

The Indramat DLC1.1 is a single-axis positioning module designed for precise motion control in industrial automation systems. Manufactured by Indramat, a leader in automation technology, this module is integral to applications requiring accurate and reliable positioning, such as packaging, assembly, and semiconductor equipment. The DLC1.1 features a robust CPU Design Variant 1 core and supports firmware updates, ensuring seamless integration into existing systems. Its compact footprint and modular architecture make it ideal for OEM machine builders and automation integrators seeking scalable performance. The module offers flexible communication options with native compatibility for both RS 232 and RS 485 ports, facilitating integration into various industrial networks. Built to withstand demanding production environments, the DLC1.1 operates reliably within an operating temperature range of 0 to 40 degrees Celsius and can be stored or transported in conditions from -20 to +80 degrees Celsius. It tolerates an allowed installation altitude of up to 1000 meters and maintains full functionality in environments with up to 90% relative humidity (non-condensing). The module's rugged construction complies with industry standards, resisting electrical noise and vibration commonly found on factory floors. Built-in diagnostics report module status in real time, minimizing downtime and simplifying preventive maintenance tasks. Integration into larger automated systems is straightforward, thanks to its adherence to the DLC Series mechanical and electrical interface conventions. The DLC1.1's field-proven design reduces commissioning time, while available firmware libraries streamline programming and motion profiling. With its balance of performance, durability, and communications versatility, the DLC1.1 represents an optimal choice for precision positioning in industrial automation applications.