

Safty, Easy Operation and Save Space Robot Controller DX200



DX200

This is a low floor-type of robot controller that can be stacked up. The amplifier for three external axes and other options that previously required attachment tools can now be housed inside a standard cabinet, reducing the required space for installation by up to 50%. The safety functions have been strengthened by improving the safety performance of the speed limiting function and tool switching monitoring function.

Features

Safety

Improved Safety Functions

- ◎ A safety fence can be installed in an area smaller than the robot motion area to save space. (New and optional function)
- ◎ Motion is limited to a set area by monitoring the position of the robot and tool.
- ◎ The Preventive Maintenance Function for Speed Reducer can detect speed reducer faults. The Preventive Maintenance Function for Hardware can prompt you to replace hardware before it breaks.

Easy Operation

- ◎ Editing or prohibiting editing instructions with the programming pendant makes controlling jobs easier. (JOB Line Comment-Out Function, JOB Line Edit-Protect Function, JOB Folder Function)

Save Space

- ◎ A safety fence can be installed in an area smaller than the robot motion area to save space. (New and optional function)
- ◎ Two DX200 robot controllers can be stacked*. Installation width can be reduced by 30% compared with two DX100 controllers installed side-by-side.

* : Some models are excluded.

Specifications

Items	Specifications
Configuration	Dust proof IP54
Dimensions	600(W)×520(D)×730(H)mm (Possible to control three external axes)
Mass	100 kg max.
Cooling System	Indirect cooling
Ambient Temperature	During operation : 0°C to +45°C. During storage : -10°C to +60°C
Relative Humidity	90% max. (non-condensing)
Power Supply	Three-phase 200 VAC (+10%, -15%), 50/60 Hz (±2%) Three-phase 220 VAC (+10%, -15%), 60 Hz (±2%)
Grounding	Grounding resistance : 100* or less
Digital I/Os	Specialized signals : 28 inputs and 7 outputs General signals : 40 inputs and 40 outputs Max.I/O (optional) : 4096 inputs and 4096 outputs
Positioning System	By serial encoder
Programming	JOB : 200,000 steps, 10,000 instructions
Capacity	CIO ladder : 20,000 steps max.
Expansion Slots	PCI : 2 slots
LAN (Connection to Host)	1 (10BASE-T/100BASE-TX)

Items	Specifications
Interface	RS-232C : 1ch
Control Method	Software servo control
Drive Units	SERVOPACK for AC servomotors (can control up to 9 axes)
Controller	Painting Color
	Front panel : Light gray (Munsell notation N7.7 or equivalent) Body except front panel : Dark gray (Munsell notation N3 or equivalent)
Dimensions	169(W)×314.5(H)×50(D)mm
Mass	0.990kg
Material	Reinforced plastics
Programming Pendant	Operation
	Select keys, axis keys, numerical/application keys, mode selector switch with key (mode : teach, play, and remote), emergency stop button, enable switch, compact flash card interface device (compact flash is optional.), USB port (1 port)
Display	5.7-inch color LCD, touch panel 640×480 pixels (Alphanumeric characters, Chinese characters, Japanese letters, Others)
IEC Protection Class	IP65
Cable Length	Standard : 8 m, Max. : 36 m (with optional extension cable)

