

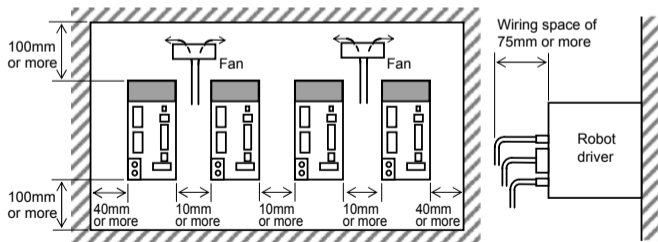
Basic specifications

Item		Model	RDV-X			RDV-P			
Driver model			RDV-X205	RDV-X210	RDV-X220	RDV-P205	RDV-P210	RDV-P220	RDV-P225
Number of controllable axes		Single-axis							
Controllable robots		Single-axis robot FLIP-X				Linear motor single-axis robot PHASER			
Basic specifications	Capacity of the connected motor	200V 100W or less	200V 200W or less	200V 600W or less	200V 100W or less	200V 200W or less	200V 400W or less	200V 750W or less	
	Maximum power consumption	0.3kVA	0.5kVA	0.9kVA	0.3kVA	0.5kVA	0.9kVA	1.3kVA	
	Dimensions	W40×H160×D140mm			W40×H160×D170mm	W40×H160×D140mm		W40×H160×D170mm	W55×H160×D170mm
	Weight	0.7kg			1.1kg	0.7kg		1.1kg	1.2kg
	Input power supply	Control power supply	Single phase 200 to 230V +10%, -15%, 50/60Hz +/-5%						
Motor power supply		Single phase / 3-phase 200 to 230V +10%, -15%, 50/60Hz +/-5%							
Axis control	Position detection method	Resolver				Magnetic linear scale			
	Control system	Sine-wave PWM (pulse width modulation)							
	Control mode	Position control							
	Maximum speed ^{Note 1}	5000rpm				3.0m/s			
Input/output related function	Position command input	Line driver signal (2M pps or less) (1) Forward pulse + reverse pulse (2) Sign pulse + Command pulse (3) 90-degree phase difference 2-phase pulse command One of (1) to (3) is selectable.							
	Input signal	24V DC contact point signal input (usable for sink/source) (24V DC power supply incorporated) (1) Servo ON (2) Alarm reset (3) Torque limit (4) Forward overtravel (5) Reverse overtravel (6) Origin sensor ^{Note 3} (7) Return-to-origin (8) Pulse train input enable (9) Deviation counter clear							
	Output signal	Open collector signal output (usable for sink/source) (1) Servo ready (2) Alarm (3) Positioning completed (4) Return-to-origin complete							
	Relay output signal	Braking cancel signal (24V 375mA)				-			
	Position output	Phase A, B signal output: Line driver signal output Phase Z signal output: Line driver signal output / open collector signal output N/8192 (N=1 to 8191), 1/N (N=1 to 64) or 2/N (N=3 to 64)							
	Monitor output	Selectable items: 2ch, 0 to +/-5V voltage output, speed detection value, torque command, etc.							
	Display	5-digit number indicator, Control power LED							
Internal function	External operator	PC software "RDV-Manager" monitoring function, parameter setting function, operation tracing function, trial operation function, etc. USB2.0 is used. Windows Vista / 7 / 8 / 8.1 personal computer can be connected.							
	Regenerative braking circuit	Included (but without braking resistor)							
	Dynamic brake ^{Note 4}	Included (Operation conditions can be set.) (No DB resistor, connection: 2-phase short circuit)							Included (Operation conditions can be set.) (with DB resistor, connection: 2-phase short circuit)
	Protective function ^{Note 2}	Semi-enclosure type (IP20)							
	Protective functions	Over-current, overload, braking resistor overload, main circuit overvoltage, memory error, etc.							

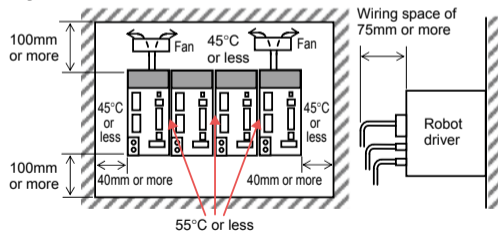
■ Installation conditions

- Install the RDV-X/RDV-P on a vertical metal wall.
- Install the RDV-X/RDV-P in a well ventilated location, with space on all sides of the RDV-X/RDV-P.
- Ambient temperature: 0 to 55°C
- Ambient humidity: 20 to 90% RH (no condensation)
- When placing two or more robot drivers in one operating panel, install them as shown in the figure below.

■ Stored inside RDV-X/RDV-P panel



■ Side-by-side installation



* Note that the ambient temperature is 45°C or less or the effective load factor is 75% or less.