

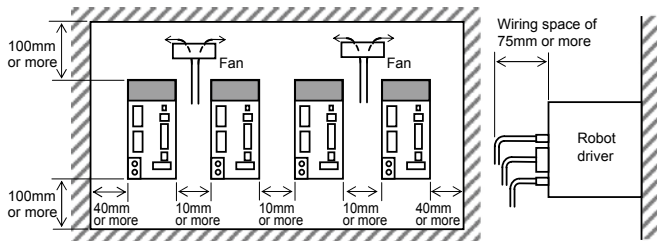
■ Basic specifications

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.							
Internal function	Display		5-digit number indicator, Control power LED							
	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.							

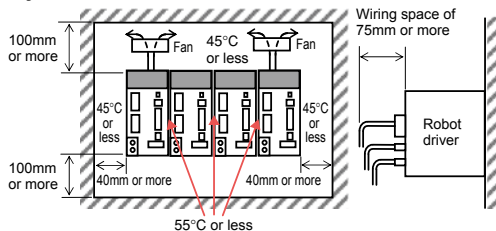
■ Installation conditions

- 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.