

DAISHIN CONTROLLER IX SERIES

●IX-01 ●IX-02 ●IX-05

Model Designation (Example)

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- Voltage (1:100V, 2:200V)
- Control capacity (01: 0.8A, 02: 1.6A, 05: 4A)
- Model

Features

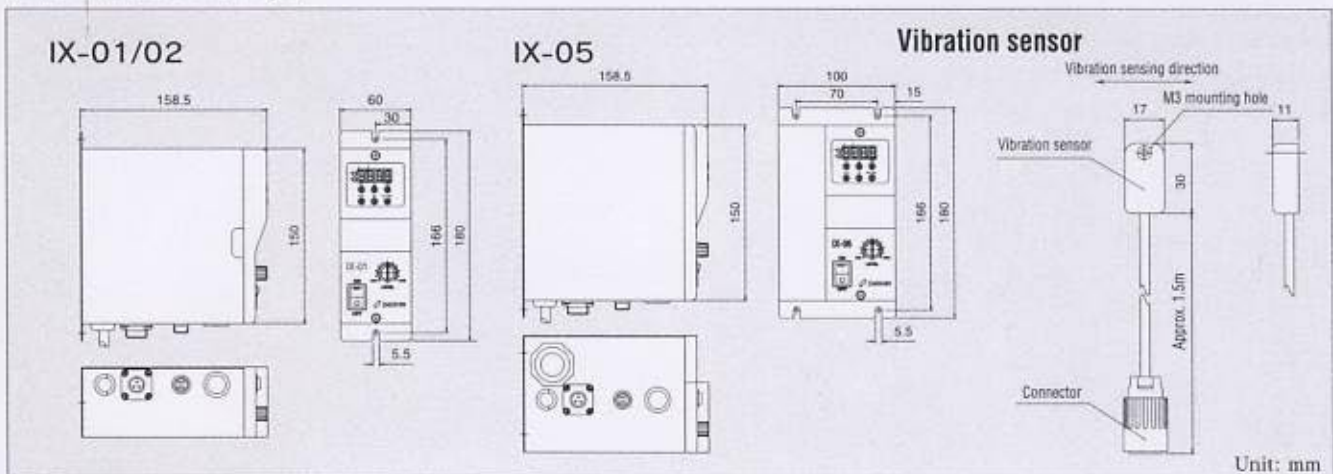
The Daishin Controller IX Series are inverter controllers with digital feedback function dedicated to use with electromagnetic vibrators. They are full-digitally controlled (microcomputer control), and the standard feedback function assures highly reliable supply of control signals. Also, despite the full-digital control, easy operability gives you almost an analog feel.

- ☆ This controller with feedback function is only about 88 percent of the volume of a conventional model (e.g. our IF-02A).
- ☆ Fusion of digital and analog features ensures high accuracy and easy use.
- ☆ Low cost has been realized by thoroughgoing rationalization.
- ☆ The feedback setting can be adjusted easily with a single control (patent pending).
- ☆ The design incorporates human-friendly curves in its appearance.



IX-01

Dimensional Drawing



Unit: mm

General Specifications

	IX-01	IX-02	IX-05
Rated voltage	AC100V/200V switchable		
Power frequency	50/60 Hz		
Ambient temperature	0 to 40°C		
Ambient humidity	10 to 90% (No dewing permissible)		
Withstand voltage	DC500V bet. FG-input and output for 1 min		
Insulation resistance	50MΩ or above bet. FG-input and output		
Cooling method	Natural cooling	Fan cooling	

Performance Specifications

		IX-01	IX-02	IX-05	
Output	Voltage	Setting mode	Voltage setting with a control		
		Setting range	0 to 100V / 0 to 200V		
		Setting resolution	0.1V		
	Frequency	Setting mode	Up-Down key		
		Setting range	75-380Hz	45-230Hz	45-150Hz
		Setting resolution	0.1Hz		
	Frequency stability	±0.2%			
	Maximum permissible current	0.8A	1.6A	4A	
	Drive system	PWM system			
	Output stability	±1.0% (at feedback control)			

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Additional functions	Control system		Digital control by 16-bit microcomputer	
	Run, Stop, Control	External input	Stopped by external stop input	
		Sensor input	Photo coupler input	
		Panel operation	RUN-STOP key	
	Overflow sensor ON/OFF	Setting mode	Up-Down key	
		Setting range	0 to 10s (setting unit: 0.1s)	
	Output signal		Signal outputted in synchronism with run (open collector output)	
	Soft Start / Stop	Setting mode	Up-Down key (start and stop adjustable separately)	
		Setting range	0 to 3.0s (setting unit: 0.1s)	
	Display	7-segment LED	Voltage, frequency, error, parameter setting	
LED		Power, Run		
Protective function	Operation stop at overcurrent or overheating			
Alarm indication	Code display of error status at error (flashing indication)			
Data storage system	E ² PROM			
Speed control	Preset data selectable by external input (0 - 3ch)			