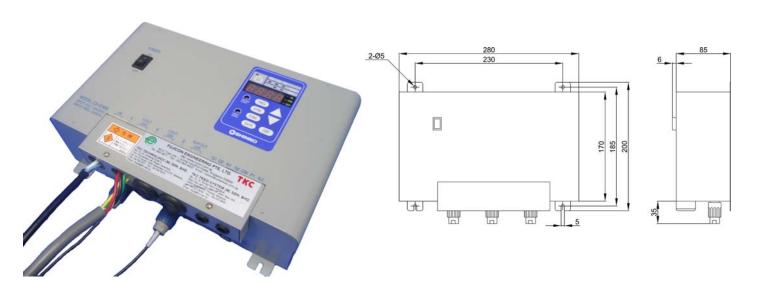
C9-4DM Controller

C9-4DM Controller Dimensions



Features

- Energy-saving auto-tuning
 Auto-tuning keeps parts feeder vibration frequency tracked to resonance point, reducing power consumption.
- Electronic control gives optimal vibration
 Electronic control of horizontal/vertical amplitudes and phase difference provides ideal vibration characteristics for any type of workpiece.

Specifications

Model			LFG-400	LFG-550	LFG-700
Rated voltage			200		
Rated current			0.08A	0.15A	0.2A
Vibration frequency			80 ~ 110Hz	75 ~ 100Hz	65 ~ 90Hz
Drive unit weight			4.3kg	8.5kg	14.0kg
Leaf-spring angle			15°		
Max. amplitude			0.65mm	0.75mm	0.9mm
Compatible controller	AC200V	Single	C8-05VF		
		Twin	C9-3VFT-2		
	AC100V	Single	C8-05VF+C8-TR		
		Twin	C9-3VFT-1		

Specifications

Output Control system Voltage Vibration frequency Max. current Auto resonance-point-tuning control Constant phase difference control Constant amplitude control Display function Setting function Setting function Setting function Start/Stop control Output signal Output signal Output signal On/Off delay timer On/Off delay timer Sensor power source Function PWM system PWM system O ~ 190V Automatic tuning to horizontal: 4A vertical: 2A Automatic tuning to horizontal resonance point. Accuracy: resonant frequency ±0.3% Automatic tuning to horizontal resonance point. Accuracy: resonant frequency ±0.3% Automatic tuning to horizontal resonance point. Accuracy: resonant frequency ±0.3% Automatic tuning to horizontal resonance point. Accuracy: resonant frequency ±0.3% Automatic tuning to horizontal resonance point. Accuracy: resonant frequency ±0.3% Automatic tuning to horizontal/vertical amplitudes kept constant Horizontal/vertical amplitudes kept constant For setting horizontal/vertical amplitudes, phase difference Shows output frequency, horizontal/vertical amplitudes and phase difference Setting function Shows output frequency, horizontal/vertical amplitudes and phase difference Start-up function Start-up time 0.2 - 4.0 seconds On/Off delay timer Delay time 0.2 - 4.0 seconds Power source synchronized to parts feeder operation (RUN)	Specifications				
Control system PWM system Voltage 0 - 190V Vibration frequency 60 - 120Hz Max. current horizontal: 4A vertical: 2A Auto resonance-point-tuning control Automatic tuning to horizontal resonance point. Accuracy: resonant frequency ±0.3% Constant phase difference control Horizontal/vertical amplitude phase difference kept constant Display function Shows output frequency, horizontal/vertical amplitudes, phase difference Setting function Shows output frequency, horizontal/vertical amplitudes, phase difference Setting function For setting horizontal/vertical amplitudes, phase difference Setting function Shows output frequency, horizontal/vertical amplitudes, phase difference Setting function For setting horizontal/vertical amplitudes and phase difference Setting function Stows and starts by external signal Choice of 4 pre-set speeds by external signal Start/Stop control Stops and starts by external signal Output signal Outputs signal tuned to unit operation Soft start Start-up time 0.2 - 4.0 seconds On/Off delay timer Sensor power source 3P power plug gives DC12V, max. 80A Function Power source synchronized to parts feeder operation (RUN) Synchronized Power source Output voltage As power source input to controller Maximum current 2A Noise resistant voltage Above 1,000V Ambient temperature range 0 - 40°C Ambient temperature range 10-90% (no condensation) Color of case Gray (Japan Paint Industry Association S2-1006) Outer dimensions 280W x 200H x 90D mm (excl. plug)	Model		C9-4DM		
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Output Vibration frequency Max. current Autor resonance-point-tuning control Constant phase difference control Constant amplitude control Display function Setting function Set	Output	Control system	PWM system		
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Maximum current 2A Noise resistant voltage Above 1,000V Ambient temperature range 0 ~ 40°C Ambient humidity range 10-90% (no condensation) Color of case Gray (Japan Paint Industry Association S2-1006) Outer dimensions 280W x 200H x 90D mm (excl. plug)		Control system	On/Off control through Triac		
Noise resistant voltage Above 1,000V Ambient temperature range O ~ 40°C Ambient humidity range 10~90% (no condensation) Color of case Gray (Japan Paint Industry Association S2-1006) Outer dimensions 280W x 200H x 90D mm (excl. plug)		Output voltage	As power source input to controller		
Other Ambient temperature range 0 ~ 40°C Ambient humidity range 10~90% (no condensation) Color of case Gray (Japan Paint Industry Association S2-1006) Outer dimensions 280W x 200H x 90D mm (excl. plug)		Maximum current	2A		
Other Ambient humidity range 10~90% (no condensation) Color of case Gray (Japan Paint Industry Association S2-1006) Outer dimensions 280W x 200H x 90D mm (excl. plug)	Other	Noise resistant voltage	Above 1,000V		
Color of case Gray (Japan Paint Industry Association S2-1006) Outer dimensions 280W x 200H x 90D mm (excl. plug)		Ambient temperature range	0 ~ 40°C		
Color of caseGray (Japan Paint Industry Association S2-1006)Outer dimensions280W x 200H x 90D mm (excl. plug)		Ambient humidity range	10~90% (no condensation)		
(** *3)		Color of case	Gray (Japan Paint Industry Association S2-1006)		
Weight 2.4kg		Outer dimensions	280W x 200H x 90D mm (excl. plug)		
•		Weight	2.4kg		