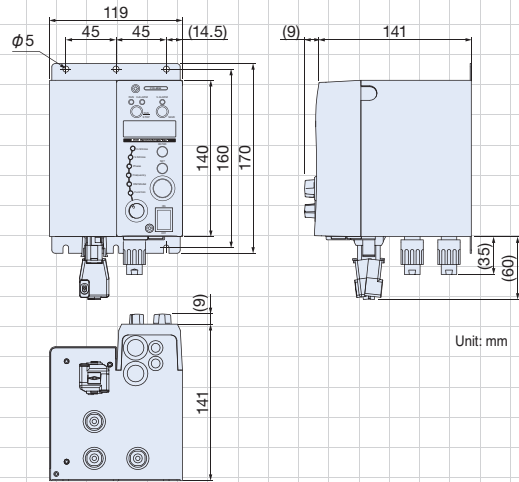


# DM Series Controller C10-4DM

**New**



**C10-4DM Dimensions**



## Features

### • Simple and easy start up

Stroke sensor gain adjustment is not required. Just by selecting a drive unit model at the initial setting stage, necessary parameters are set automatically.

### • Easy operation

'Selection Dial' and 'Setting Encoder' allow for easy operation for anyone.

### • Save more space

This controller has the same dimensions as C10-5VF/5VFEF and the footprint is reduced by 36% from the previous model.

### • Easy wiring

Between a driving unit and a controller are connected by connectors.

### • Energy-saving auto-tuning

Auto tuning function reduces power consumption by tracking the resonance point and keeping vibration frequency on it continuously.

### • 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		C10-4DM
Input power		AC200-230V ±10%, 50/60Hz
Control system		PWM system
Output	Voltage	0~190V
	Vibration frequency	28~45Hz 65~120Hz 90~180Hz
	Max. current	horizontal: 4A vertical: 2A
Operating mode	Standard drive	Automatic tuning to horizontal resonance point. By amplitude phase control without frequency setting
	Constant phase difference control	Horizontal/vertical amplitude phase difference kept constant
Additional features	Speed selection	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	Delay time 0.2~60 seconds
	Sensor power source	3P power plug gives DC12V, max. 80mA
Synchronized power source	Function	Power source synchronized to parts feeder operation (RUN)
	Control system	On/Off control through a triac
	Output voltage	As power source input to controller
	Max. current	2A
Other	Noise resistant voltage	Above 1000V
	Ambient temperature range	0~40°C
	Ambient humidity range	10~90% (No condensation)
	Applicable Space	Indoor (Place where no corrosive gas, and dust.)
	Color of case	Japan Paint Industry Association U75-70D
	Weight	2.0kg
Compatible equipment		DM-30C, 38C, 45C, 65C DMS-15C, 20C, 25C, 30C, 38C, 45C