EC30D Series- Variable Frequency Digital Control Units

Variable Frequency Digital Control Units

The EC30D series for use regular parts feeders for conveyance of parts of all size. Auto-tuning function (EC30-3,5D) eliminates need for frequency adjustment, convenient digital settings displays. Simple set up, the variable frequency control units are reliable and precise controls parts feeder regarless of the power frequency.

Features

- Auto-tuning function eliminates need frequency adjustment.
- The resonance point auto tracing function automatically maintains the frequency at the resonance point and saves energy.
- Automatically detect input power 110VAC or 220VAC.
- Automatically corrects the variation in supply voltage.
- Capable of controlling a wide range of regular parts feeders.
- Simple operate, highly precise and reliable.

Specifications

Model		EC30-1DF	EC30-3DF	EC30-3DFEF	EC30-5DFEF
Input	Power source		AC110/220V ±10% 50/60Hz Auto Detect		
Output	Voltage		0~98V (110V input power system)	0~210V (220V input power system)	
	Frequency	Half wave: 45~90Hz	Full wave: 90~180Hz	High frequency: 180~360Hz	Middle frequency: 65~120Hz
	Max. current	1A	3A	3A	5A
Control mode	Control type		PMW		
Operation mode	Auto-tuning		With frequency auto-tuning, constant amplidue control requires no frequency setting		
	Constant amplitude		The constant amplitude control at the preset drive frequency		
Additional function	Run/stop operation		An external signal runs or stops the parts feeder		
	Output signal		The control unit outputs a synchronous signal with running and stopping of the parts feedr		
	Soft start		Ramp-up time 0.2 ~ 4.0 seconds		
	On and off delay		Delay time 0.2 ~ 4.0 seconds		
	Power for sensor		With a 3 cored socket plug DC12V, max 80mA		
Synchronous power output	Function		Power output sychronous with the parts feeder operation		
	Control method		Run/stop with a power switch		
	Voltage		Same as power source		
	Maximum current		2A		
Application conditions	Noise resistance		Above 1000V		
	Ambient temperature		0~40°		
	Ambient humidity		10~90% (no condensation)		
	Case color		Gray (HTC specify)		
	Dimensions	44W x 171H x 140D	60W x 171H x 140D	60W x 171H x 140D	120W x 171H x 140D
	Weight	1.0kg	1.2kg	1.2kg	2.6kg