

Features:

Automatic Voltage Regulation: The internal digital voltage regulation circuit can reduce feed speed variation caused by mains voltage fluctuation.

Soft Start: The controller will gently increase output voltage from 0 to the preset value when power on to avoid sudden shake.

Linear Voltage Control: Rotation angle of the voltage adjustment knob is linear with output voltage of the controller.

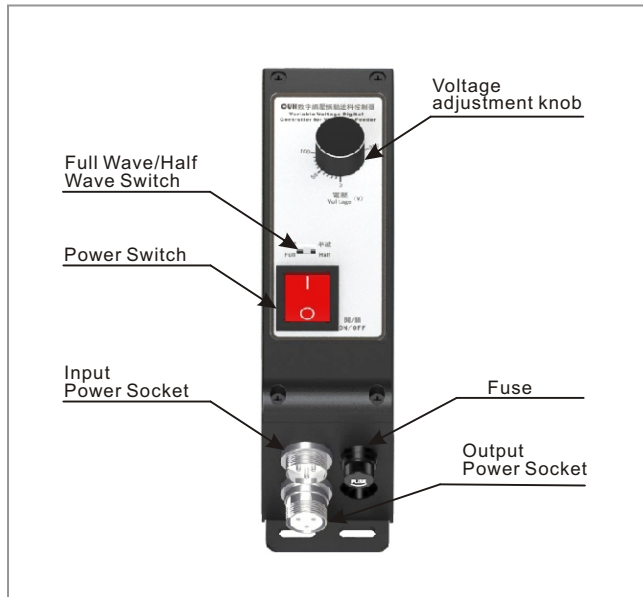
Overheat Protection: If internal temperature of the controller gets too high, the controller will stop its output to protect itself.

Overcurrent Protection: If output current exceeds its rated value, the controller will stop its output to protect itself and the load.

Fuse-Short Circuit Protection: If output of the controller is short-circuited, the fuse inside will be blown to protect the controller and the load.

Optimized Circuit Design to ensure stability and long service life.

Overview:



Specifications:

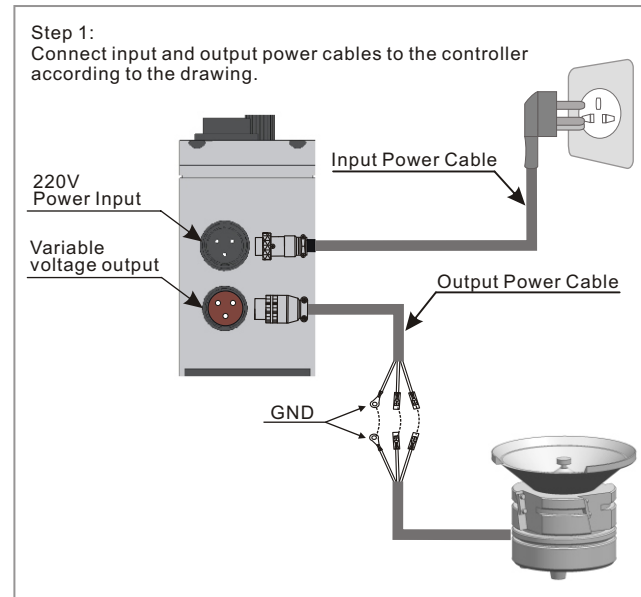
Item	Range			Unit	Description
	Min	Typical	Max		
Input Voltage	150	220	260	V	AC RMS
Adjustable Output Voltage Range	35	—	Vin-10	V	Half Wave
	45	—	Vin-5		Full Wave
Response Time of Voltage Regulation	0	0.01	0.02	s	
Adjustable Output Current Range	0.1	—	5	A	
Output Power	22	—	1100	VA	
Output Frequency	45	50/60	65	Hz	Half Wave
	90	100/120	130	Hz	Full Wave
Output Waveform	Phase cut sine				
Soft Start Time	0.5	0.65	0.7	s	
Overheat Protection Trigger Temperature	58	60	66	°C	
Fuse Capacity	6.3			A	
Ambient Temperature	0	25	40	°C	No Condensation
Ambient Humidity	10	60	85	%	

Dimension and Weight:

Dimensions: 190*53.6*109.3(L*W*H, mm)
Weight: 430g (without accessory)

Document NO.: SDVC11MSMSEN_1_01

Wiring:



Variable Voltage Digital Controller for Vibratory Feeder



Model: SDVC11-M

Step 2:
Rotate the voltage adjustment knob to set output voltage.

Step 3:
Turn on the power switch.
The power indicator lights up.



Full Wave/Half Wave Switch:

Output waveform/output frequency can be switched

全波 半波
Full Half 图 (1)

If the mains frequency is 50/60Hz, output frequency will be 100/120Hz when set the switch as shown in Figure (1)

全波 半波
Full Half 图 (2)

If the mains frequency is 50/60Hz, output frequency will be 50/60Hz when set the switch as shown in Figure (2)