



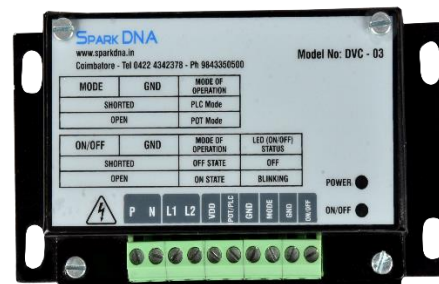
## Digital Compact Controller for Electromagnetic Vibrator

**SPARKVIB DVC-03** Single Channel, 230/115Vac, 50/60Hz, 3Amps

The set-point for the feeder throughput are adjusted by using either an external POT or a PLC output (0 - 10V).

LED indications are provided to the user.

An on-board fuse provides short-circuit protection for the internal semiconductors.



*Operates with PLC and POT*

### Electrical Characteristics

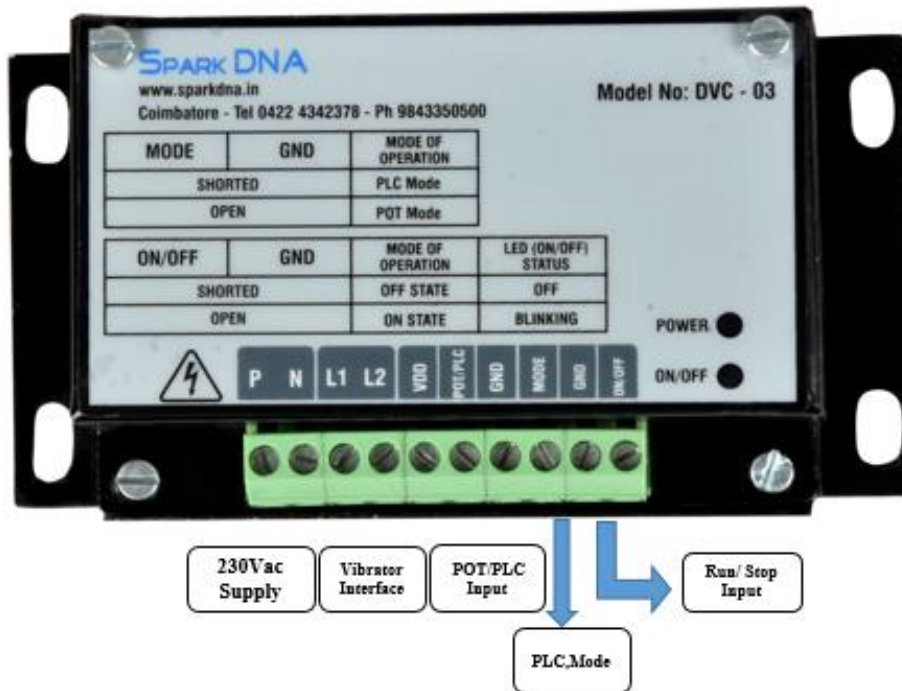
Supply Voltage	:	230/115 V $\pm$ 5%
Frequency	:	50/60Hz
Current	:	3A RMS, 6A Peak
Time of Ramp	:	500 msec
Run/Stop control	:	Connect S1 and S2 pins to stop the controller.

### Mechanical Characteristics

Operating temperature	:	0...+85 (°C)
Size (l*b*h)	:	120*60*45 mm
Housing	:	Aluminium top cover with aluminium bottom
Weight	:	100 gms



## Connection Details



### POT Interfacing:

POT connector has 3 pins for connecting external potentiometer's VDD, POT/PLC pin and GND. After connecting the POT, vary it from 0 to max, so that output of the controller will also vary proportionately.

### PLC Interfacing:

Connect PLC's Analog output or External DAC's output of 0 – 10 VDC between POT/PLC pin, GND pin and mode pin short to be used for PLC interfacing. No dedicated GND pin is provided for PLC input and hence the GND pin available in POT connector has to be used.

### Run / Stop Control:

On/Off and GND pins are used for Run / Stop Control. In Run Mode, on/off and GND pins should be Open, whereas to stop the controller on/off and GND pins should be shorted.