

DIGIStep
DC Stepper Drive | **SDRV Series**

DIGISteps are intelligent PWM drives with micro- controller offering wide variety of programmable functions & interfaces for optimum control and are available for both Unipolar and Bipolar two phase DC Stepping Motors.

Features

Technology	Indigenous state of art technology equivalent to PWM technology	
Economy	Cost efficient compared to similar international products with attractive features	
Efficiency	Efficient MOSFET based power module	
Reliability	Proven through years of reliable operations in various industrial applications	
Inputs	1 Winding Enable (Hold input)	
	1 Quick Stop input	
	4 Programmable isolated inputs	
	1 Analogue input	
Outputs	4 Programmable isolated Outputs	
Operation	Full step / Half step	
Modes	Pulse	Pulse / Direction input signals
	Speed	0-10 Vdc analogue reference
	Synchronization	Pulse train input with programmable synchronization ratio
	Positioning	Inbuilt -programmable No of Steps, Speed, Aceleration, Deceleration

Application Areas

Plastic	Bag / Pouch making, slicing
Pharmaceutical	Labelling, Filling, Indexing
Consumer / Food	Labelling, Filling, Indexing
Printing / Paper	Sticker / Paper printing, Embossing, Cutting
Machine Tools	Feed in grinding, milling, drilling, Lathe,
	Engraving, Spark erosion, Indexing, X-Y Table,
	2/3/4 axes control, Back gauge in Shear &
	Hydraulic press
Chemical	Filling, Metering pumps, Servo valve control
Others	Winding

Specifications

Digital Inputs	10-30 Vdc/20 mA
Digital Outputs	Open Collector- 30 Vdc / 20 mA
Step frequency	10 KHz
Protection	Over current and Thermal
Operating Temperature	0-50° C
Humidity	5- 95% Rh, Non condensing



Applications

DIGIStep with suitable DC Stepping Motor can be used in various motion control applications

Positioning

Low speed gearless operation

Continuous Start / Stop with direction reversal

Indexing

Synchronization

Variants

Drive Model	Input Voltage DC	DC Output Current -Amp
SDRVU-LL	40	5
SDRVB-HL	70	5
SDRVB-HH	100	7

"Note: SDRVX-YZ Where X: B Or U ; B= Bipolar, U=Unipolar
Where Y:L Or H ; L= Low Voltage, H=High Voltage
Where Z:L Or H ; L= Low Current, H=High Current

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