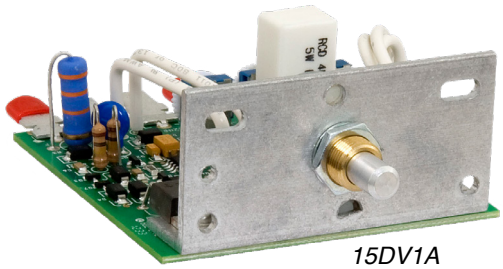
15 Series

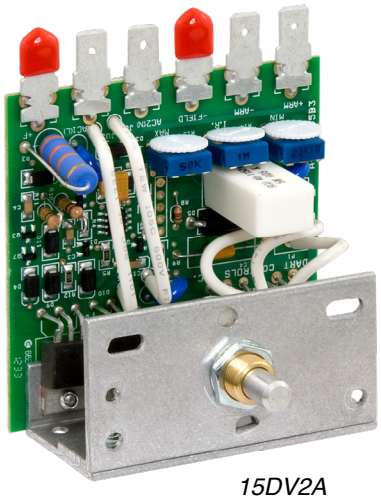
TOP SELLER

The 15 Series is an OEM designer favorite for use with small motors found in a wide variety of applications. Two chassis styles and both NEMA 1 and NEMA 4 enclosed models make the 15 Series an easy choice for your fractional HP application needs. The updated circuit utilizes SMT technology to deliver maximum power density from the smallest possible package, without sacrificing speed range or regulation.

Typical applications include conveyors and material handling, food equipment, dryers and ovens.



15DV1A



15DV2A

c UL us RoHS



15DVE



15DVP

MADE IN THE USA

317.873.5211 | www.dartcontrols.com | sales@dartcontrol.com

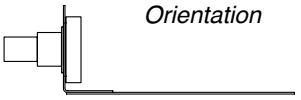
15 Series Features + Specifications

- Dual Voltage 12/24VAC and 120/240 VAC, 50/60Hz
- ± 10% rated line voltage
- Full wave bridge supply
- 1% speed regulation
- Adjustable Minimum speed (0–30% of base)
- Adjustable Maximum speed (66–100% of base)
- Adjustable IR Compensation
- -10° to +45°C ambient temperature
- Line voltage compensation
- 5K ohm speed potentiometer included
- 25:1 speed range
- Overload capacity: 200% for one minute
- Transient voltage protection
- Power On/Off switch (enclosed models)
- AC line fuse (13DVE/15DVE only)

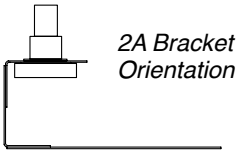
Model	Width	Length	Depth	Weight
13/15DV1A	2.80 in [7.20 cm]	3.30 in [8.40 cm]	1.30 in [3.30 cm]	2.64 oz [75 gm]
13/15DV2A	2.80 in [7.20 cm]	3.30 in [8.40 cm]	1.50 in [3.90cm]	2.94 oz [83 gm]
15DVP	4.17 in [10.59 cm]	4.96 in [12.60 cm]	2.73 in [6.93 cm]	10.4 oz [295 gm]
13/15DVE	3.81 in [9.68 cm]	3.50 in [8.89 cm]	5.50 in [14.10 cm]	10 oz [264 gm]

Bracket Orientation:

1A Bracket Orientation



2A Bracket Orientation



Base Model						Options	
Model	Supply Voltage	Motor Voltage	Current	HP	Body	-TS	-104
13DV1A	12 VAC	12 VDC	2 ADC	<1/20	C	✓	Call Factory
	24 VAC	24 VDC					
13DV2A	12 VAC	12 VDC	2 ADC	<1/20	C	✓	N/A
	24 VAC	24 VDC					
13DVE	12 VAC	12 VDC	3 ADC	<1/12	E4	N/A	S
	24 VAC	24 VDC					
15DV1A	120 VAC	90 VDC	2 ADC	1/50-1/6	C	✓	✓
	240 VAC	180 VDC		1/25-1/3			
15DV2A	120 VAC	90 VDC	2 ADC	1/50-1/6	C	✓	N/A
	240 VAC	180 VDC		1/25-1/3			
15DVP	120 VAC	90 VDC	2 ADC	1/50-1/6	E1	N/A	S
	240 VAC	180 VDC		1/25-1/3			
15DVE	120 VAC	90 VDC	3 ADC	1/50-1/4	E4	N/A	S
	240 VAC	180 VDC		1/25-1/2			

C – open chassis
E1 - NEMA 1; E4 - NEMA 4 enclosed

√ - Option is available
S - Standard Feature

N/A – Option Not available
F – Option is available as Factory Installed only

Option Description:

-TS: Chassis models only - terminal strip to allow for remote installation of speed pot

-104: "1A" chassis models only - FOR 120VAC SUPPLY applications only - On/Off switch ganged to back of speed pot