



MODELS DVLA AND DVRA DISPLAYS FOR *VIRTUAL ABSOLUTE*® ENCODERS



Models	DVLA for linear motion DVRA for rotary motion
Size	11.5"W x 4.0"H x 3.0"D (292 x 102 x 76 mm)
Input power	110V @1.5 A or 220V @750 mA, 50-60 Hz
Display	7½ green 7-segment LEDs, 0.5" (13 mm) high
Input signals	Pseudorandom serial code and sine waves from any <i>Virtual Absolute</i> encoder are internally decoded and interpolated for higher resolution
Max input frequency	Encoder limited - see data sheet for specific encoder model
Count direction sense	Switchable from rear panel
Display units	DVLA: Millimeters or inches - selectable from front panel DVRA: Decimal degrees or deg.min.sec - selectable from front panel
Front-panel buttons: V R CE inch/mm (DVLA only) clk/ang (DVRA only)	Displays in/sec, m/sec, or rev/min velocity. Press again to toggle off Displays absolute value without position offset - disables CE Zeroes display at current encoder position, or Press after entering position offset from keypad to complete entry Toggles measuring units between inches and millimeters angle shows + or – values, based on rotation direction - must be reselected after power off. clock shows absolute angle, regardless of direction of rotation---default display mode on power up
Encoder not initialized	● ---- ---- ---- ---- .
Serial output	RS-232 (optional)
Protection	IP54
Temperature	0°C to 40°C (32°F to 104°F)
Relative Humidity	80% @25°C

Pinouts for DA-15S on rear panel

Pin	1	2	4	5	7	8	9	10	13
Function	/IND	IND	/COS	COS	/SIN	SIN	Case	+5V	Com



Ordering Information

		<u>MODEL</u>	<u>RES</u>	<u>SPEED</u>	<u>OUT</u>	<u>POWER</u>	<u>SF</u>
<u>MODEL</u>	DVLA	Use with Linear encoders					
	DVRA	Use with Rotary encoders					
<u>RES</u>	17	000.00025mm					
	12	000.0005					
	13	0000.001					
	14	0000.002					
	15	0000.005					
	16	00000.01 - DVLA					
	20	000.0001° - DVRA					
	21	000.0002°					
	22	000.0005°					
	23	0000.001°					
	24	0000.002°					
	25	0000.005°					
	26	00000.01°					
	27	00000.02°					
	28	00000.05°					
	29	000000.1°					
	30	000000.2°					
	31	000000.5°					
	32	0000001.°					
	33	000°00'01"					
	34	000°00'02"					
	35	000°00'05"					
	36	000°00'10"					
	37	000°00'30"					
	38	000°01'					
	39	000°02'					
	40	000°05'					
	41	000°10'					
	42	000°30'					
<u>SPEED</u>	S	Standard count speed					
<u>OUT</u>	R	RS-232 serial output					
	N	No auxiliary output					
<u>POWER</u>	1	110V, 50-60 Hz					
	2	220V, 50-60 Hz					
<u>SF</u>	#	Issued at time of order to cover special customer requirements					
	N	No special features					

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