



Electronic Design & Research Inc.

/ VS Holding LLC

Series D2N -- Low control Voltage Solid State Relays

2-6.5 Amps * 480 VAC * AC Output SIP

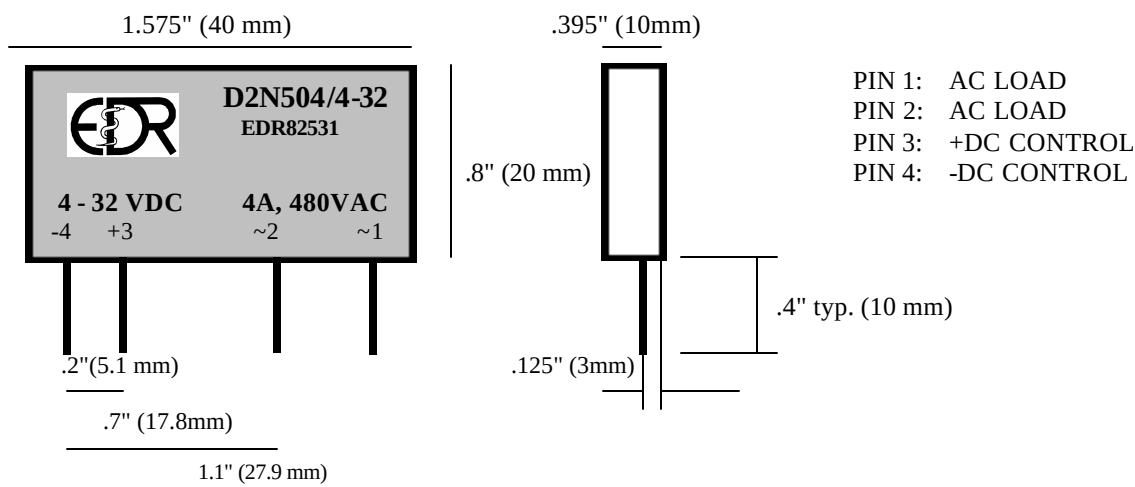
TRIAC Output

Direct interfacing to Low Voltage, Low Power modern Logic Chips

Zero Voltage Switching

Pin-outs are compatible with D2W, CX, CMX and OAC type of I/O modules

Model NO.	D2N502*	D2N504*	D2N506*
Input Specifications	EDR82530	EDR82531	EDR82532
Control Voltage Range (VDC)		4-32	
Control Current Range (mA)		2-8	
Typical Input Current @ 5VDC		2.1 mA	
Nominal Input Impedance		Dynamic between 1K till 7K	
Must Turn ON Voltage		2.00 VDC	
Minimum Drop Out Voltage		1.75 VDC	
Maximum Reverse Control Voltage(VDC)		80	
Output Circuit			
Operating Voltage Range (47 - 63 Hz)		24-600 Vrms	
Maximum Current - free air, continues	2Arms	4Arms	6.5Arms
On-State RMS Current (full cycle)	8Arms	25Arms	40Arms
Minimum Current		.02Arms	
Maximum Surge Current, (16.6 mS)	80A	250 A	350A
Minimum Peak Blocking Voltage (Volts)		600	
Maximum "ON-state (Volts)	2	1.85	1.4
Holding current (typical)	10mA	10mA	30 mA
Typical Power Dissipation (watts)		7	
Power Factor (Min,) with Max. Load		0.5	
Maximum Turn-ON time		1/2 cycle	
Maximum Turn-OFF time		1/2 cycle	
Ambient Operating Temperature Range		-30 to 85 C°	
Ambient Storage Temperature Range		-30 to 125 C°	
Input/Output Dielectric Strength		4000 Vrms	



All Dimensions are in inches (millimeters).

All terminals (pins) are .040\" (1 mm) diameter.

Weight: (typical) .35 oz. (9.9 g)

Encapsulation: Thermally Conductive Epoxy

* for INTERNAL SNUBBER add "E" at the end of parts number, for an example: D2N504E

For recommended application and more information contact: **Electronic Design & Research Inc.**, Product Division,
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