

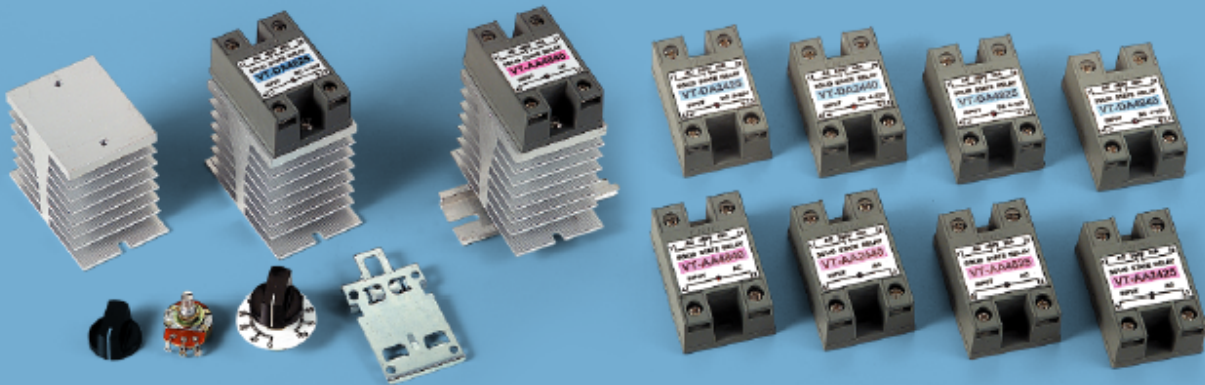


# Solid State Relay

## Feature:

- Control signals of 4–32 Vdc, 90–250 Vac or resistance pot
- 10 amps, 25 amps or 40 amps load switching
- 250Vac & 480 Vac output voltage ratings
- Zero Voltage Turn-on
- Zero Current Turn-off

- Built-in Snubber Circuit Protection
- "LED" Indicating Control Signal Status
- Low Leakage
- DIN Rail & Panel Mount Heat Sinks Available
- Low Input current ( 7 mA (Max) @ 32 Vdc )
- CE Approval



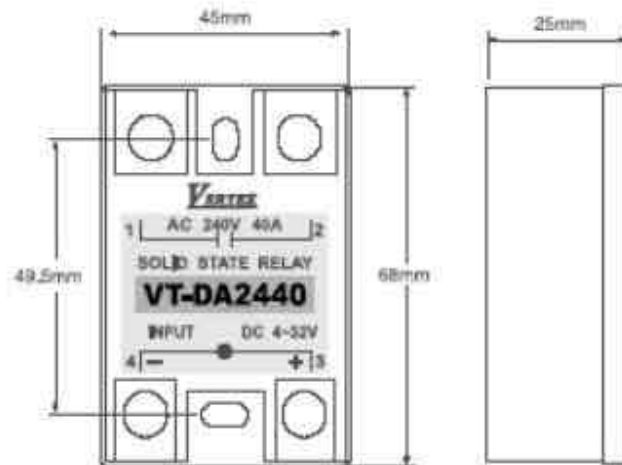
Input Specifications			
	DC Input	AC Input	Potentiometer Input
Input range	4–32 Vdc	90–280 Vrms	200 K ohms
Max. Turn-On Voltage	4.0 Vdc	80 Vrms	-*
Min. Turn-Off Voltage	3.5 Vdc	60 Vrms	-*
Input Current	7 mA @ 32Vdc	0,6mA @ 240 Vrms	-*

Output Specifications			
	D210, (D410)	D225, (D425)	D240, (D440)
Model numbers	A210, (A410) V210, (V410)	A225, (A425) V225, (V425)	A240, (A440) V240, (V440)
Operating voltage (50/60Hz)	90–280 (90–530) V(rms)	90–280 (90–530) V(rms)	90–280 (90–530) V(rms)
Max. Load current @ 25°C ambient temperature	10 A(rms)	25 A(rms)	40 A(rms)
Min. Load current	0.1 A(rms)	0.1 A(rms)	0.1 A(rms)
Max. Surge peak on-state current (16.7ms)	105 A	260 A	420 A
Max. On-state voltage drop @ rated current	1.6 V	1.6 V	1.6 V
Max. Off-state leakage current @ rated voltage	1mA(rms)	1mA(rms)	1mA(rms)
Min. Off-state dv/dt @ Max. Read voltage	1000 V/μsec	1000 V/μsec	1000 V/μsec
Transient overvoltage	800 V	800 V	800 V
1 <sup>2</sup> t for fusing	55 A <sup>2</sup> s	340 A <sup>2</sup> s	880 A <sup>2</sup> s
Max. Turn-On time	1/2 Cycle*	1/2 Cycle*	1/2 Cycle*
Max. Turn-Off time	1/2 Cycle*	1/2 Cycle*	1/2 Cycle*

\* Not available for potentiometer input type.

General Specifications		Mechanical Specifications	
Isolation voltage (AC, 1 minute)	5000 V(rms)	Weight	110g
Isolation resistance (Min.) @ 500VDC	$10^{12} \Omega$	Encapsulation	Thermally conductive epoxy
Max. Capacitance Input/output	0,8pF		
Ambient operating temperature range	-40-80°C		
Ambient storage temperature range	-40-125°C		
status indicating display	Red LED Indicator		

All dimensions are in millimeter



### Accessory Options

#### Heat Sink (Part No.GS-2)

Vertex Heat Sinks offer excellent thermal management and are perfectly matched to the load current ratings of Vertex's solid state relay.

#### Din Rail Bracket (Part No.GS-S)

Din rail bracket combined with Vertex heat sink make it possible to convert panel mount type to din rail mount type.

### Ordering Code

VT-

Input	Code
4- 32 VDC input	DA
VAC equal to line voltage selected (90-280VAC)	AA
200K ohms potentiometer input	VA

Line voltage	Code
90-280 VAC	24
90-530VAC	48

Load current	Code
10A	10
25A	25
40A	40