



- Enhanced load voltage - up to 660VAC with
- High power dual SCR output
- 4 ~ 32VDC or 90 ~ 250VAC Control voltage
- Single phase, zero crossover switching
- LED Control input indicator
- Integrated heatsink
- DIN Rail or chassis mounting



Output (Load)

Load type	SPST-NO (1 N/O) Resistive	
Load current	60A, 80A	
Load switching voltage	AC V_{rms}	60 ~ 660V
Maximum peak voltage	AC V_{pt}	900V
Minimum load current	0.1A	
Inrush current (max.)	10ms	60A: 720A / 80A: 1000A
I^2t	A ² s	60A: 2600 / 80A: 5000
Switch type	Zero crossover (consult factory for Random)	

Input (control)

Control voltage	VDC	DC: 4 ~ 32VDC / AC: 90 ~ 250VAC
Control current	mA	<20
Turn-on voltage (min.)	V_{min}	DC: 3.5VDC / AC: 80VAC
Turn-on voltage (max.)	V_{max}	DC: 35VDC / AC: 280VAC
Turn-off voltage	V	DC: 2VDC / AC: 40VAC

Environmental

Dimensions	L x W x H	100 x 110 x 127mm
Weight	approx.	940g

Note:

All SSR's should be protected by fast acting "semiconductor" fuses.

Circuit breakers and normal fuses are not quick enough to protect the SSR in the event of a current surge or spike"

It is recommended that load power is kept to no more than 70% of the SSR's rating to avoid unexpected issues in the event of variations in the load and ambient temperature" These SSR's are designed to be used with a suitable heat sink.

Transfer Pads and Heatsinks for Durakool SSR relays can be found in Durakool's Solid State Relay (SSR) catalogue.

Ordering Code

S D B 1 Z - 6 0 U - D

Series

Switching

Z: Zero Crossover

Load current

60: 60A

80: 80A

Load voltage

U: 60 to 660VAC

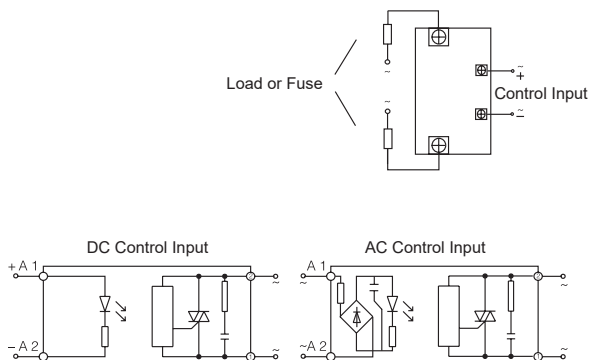
Control voltage input

A: 90 ~ 250VAC

D: 4 ~ 32VDC

Schematic

Fig. 1



Dimensions mm

Fig. 2

