

NOT FOR NEW DESIGN



- High load voltage - up to 480VAC
- 4 - 32VDC or 90 - 250VAC Control voltage
- Single phase, zero crossover switching
- LED Control input indicator
- Integrated heatsink
- DIN Rail or chassis mounting



RoHS Compliant

Output (Load)

Load type	SPST-NO (1 N/O) Resistive
Load current	20A, 25A, 30A
Load switching voltage	AC V_{rms} 40 ~ 480V
Maximum peak voltage	AC V_{pt} 900V
Minimum load current	0.1A
Inrush current (max.)	10ms 20A: 240A / 25A: 300A / 30A: 380A
I^2t	A ² s 20A: 288 / 25A: 450 / 30A: 660
Switch type	Zero crossover

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 48 x 107mm
Weight	approx. 440g

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 A 1 Z - 2 5 K - A

Series

Switching

Z: Zero Crossover

Load current

20: 20A

25: 25A

30: 30A

Load voltage

K: 40 to 480VAC

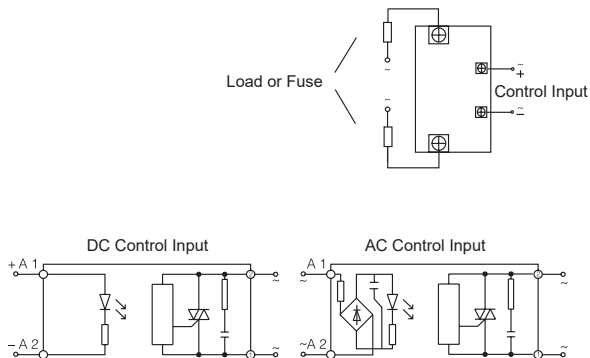
Control voltage input

A: 90 ~ 250VAC

D: 4 ~ 32VDC

Schematic

Fig. 1



Dimensions mm

Fig. 2

