

- High load voltage - up to 480VAC
- 4 - 32VDC or 90 - 250VAC Control voltage
- Zero crossover switching
- LED Control input indicator
- Captive finger protection covers for terminals



Output (Load)

| | | |
|------------------------|-------------------------------------|-----------------------------------|
| Load type | 3PST-NO (3 N/O) Resistive | |
| Load current | 10A, 20A, 25A, 30A, 40A, 60A or 80A | |
| Load switching voltage | AC V_{rms} | 24 ~ 240V, 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^2s | 20A: 288 / 25A: 450 / 30A: 660 |
| | | 40A: 880 / 60A: 2100 / 80A: 4050 |
| Switch type | Zero crossover | |

Input (control)

| | | |
|------------------------|-----------|----------------------------|
| Control voltage | V | DC: 4 ~ 32 or AC: 90 ~ 250 |
| Control current | mA | <20 |
| Turn-on voltage (min.) | V_{min} | DC: 3.5 / AC: 90V |
| Turn-on voltage (max.) | V_{max} | DC: 35 / AC: 250V |
| Turn-off voltage | V | DC: 1 / AC: 10 |

Environmental

| | | |
|------------|-----------|---------------------------------|
| Dimensions | L x W x H | 106 x 75 x 38mm |
| Weight | approx. | Various 365g (10A) ~ 500g (80A) |

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 R A 3 Z - 2 5 K - D

Series

Switching

Z: Zero Crossover

Load current

- 10: 10A
- 20: 20A
- 25: 25A
- 30: 30A
- 40: 40A
- 60: 60A
- 80: 80A

Load voltage

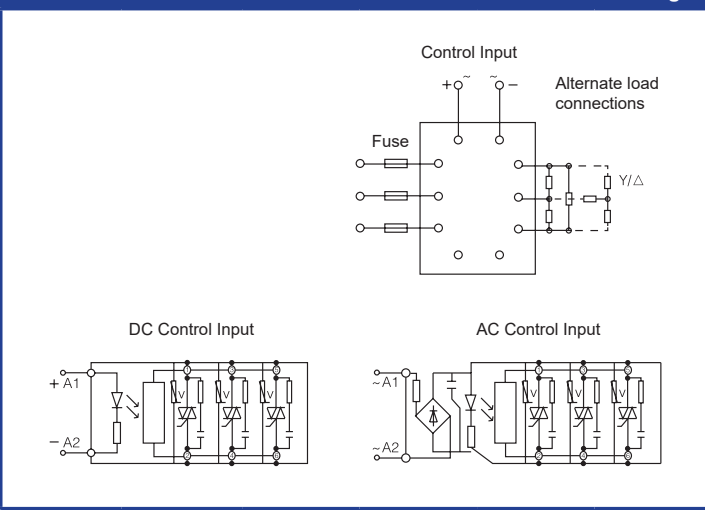
- K: 40 to 480VAC
- L: 24 to 240VAC

Control voltage input

- A: 90 ~ 250VAC
- D: 4 ~ 32VDC

Schematic

Fig. 1



Dimensions mm

Fig. 2

