



SSR3P...24VAC Series – Three Phase Solid-State Relay

Three-phase solid-state relays with 24Vac input and 240/415Vac rated output for loads up to 80 amps.

Range Overview

Solid-State Relay

- | | |
|------------------------|---------------------------------------|
| SSR3P-40A-24VAC | ▪ 24Vac input, 240/415Vac 40A* output |
| SSR3P-80A-24VAC | ▪ 24Vac input, 240/415Vac 80A* output |

* Requires fan-forced cooling and heat sink. Without fan then down-rate 50% for resistive loads, down-rate 70% for inductive loads

Heat sink (ordered as separate item):

- | | |
|---------------|-------------|
| HH-036 | ▪ SSR3P 40A |
| HH-037 | ▪ SSR3P 80A |
-

Installation



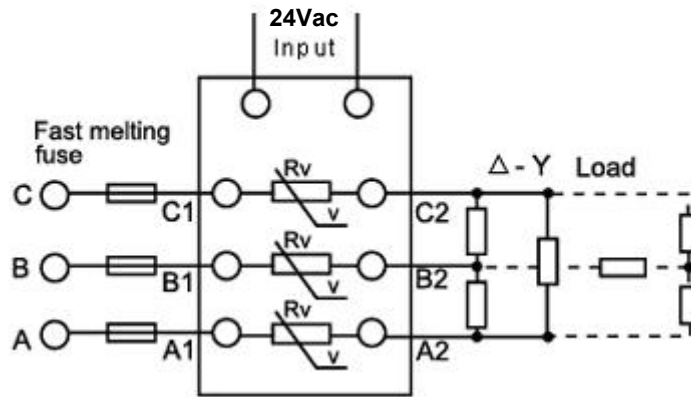
- Always ensure the connected load is within the load limits of the selected SSR
- Stated load is in combination with a heatsink and fan-forced ventilation designed to provide sufficient heat-dissipation. If without fan-forced ventilation then down rate 50% for resistive loads / down-rate 70% for inductive loads
- The SSR should be mounted securely to the selected heatsink
- Heat-conducting paste must be applied between the SSR and the heatsink to ensure efficient heat transfer takes place
- The radiator fins of the Heat sink must be in vertical orientation to ensure good convection flow for heat dissipation
- Adequate ventilation should be provided in the electrical panel, top and bottom, to ensure heat is dissipated from the heatsink efficiently



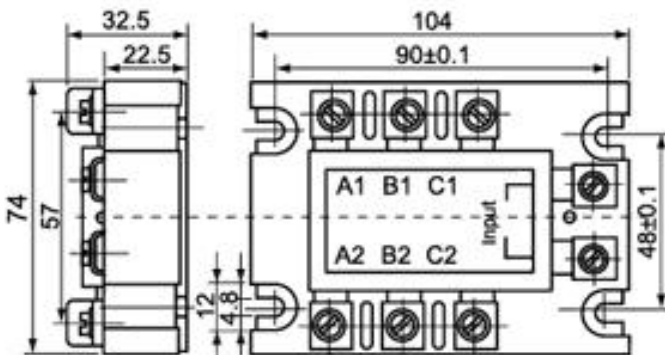
- Only suitably qualified personnel should perform installation or maintenance of these devices
- Always disconnect the mains power supply before carrying out any installation or maintenance of these devices



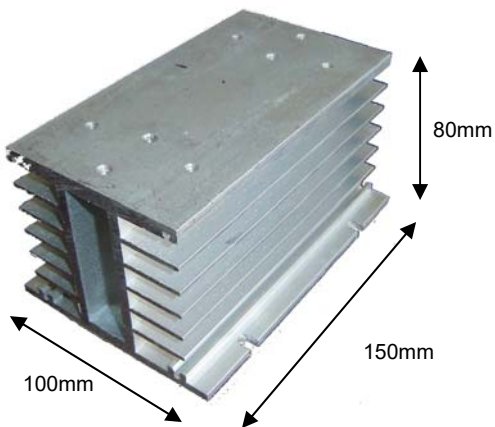
Connections



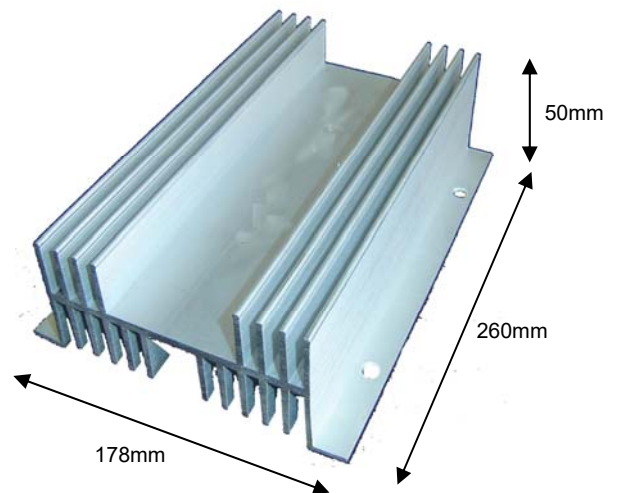
Dimensions



HH-036:



HH-037:





Technical Data

Input voltage:	18...32Vac
Input current:	16...96mA
Rated output voltage:	240/415Vac
Rated output current:	10A, 20A, 30A, 40A, 60A, 80A
ON state voltage drop:	<2V
Transition time:	<10ms
OFF state leakage current:	<10mA
Isolation voltage:	>2kV
Ambient operating temperature:	-25...+70°C with heat sink and fan-forced cooling. Above 40°C down-rate: $I_{MAX} = I_N - (I_N * (T_A - 40) * 0.01875)$
Operating indication:	LED