



Features:

- Load voltage, single phase 24~380Vac(+/-10%) 50/60HZ
- Works with all kinds of input, 0-5Vdc, 0-10Vdc, 4-20mA, Potentiometer
- Load options, 40,75,80,120,150,175,200 amps
- Buffer circuit are built inside the unit to protect surge on the SCR
- Input, output, error indicators available on the panel for monitoring purpose
- All model with the same physical sizes
- Phase angled firing mode
- Black fire retardant housing with resin seal
- The unit mainly used for resistive load

Technical Specifications

Ordering Information

SCR1-**1**-**2**-**3**

1: Power source and load range

220	220Vac load 50/60HZ
380	380Vac load 50/60HZ

*The input and output of this SCR is optical isolated, the load of this SCR is 220Vac or 380Vac, and to run this SCR, you need to have a separate power source, if the load is 220Vac, then the power source for this unit itself will have to be 220Vac, if the load is 380Vac, then the power source for this unit itself have to be 380Vac.

2: Input signals

C	0-5Vdc, 0-10Vdc, 4-20mA, Potentiometer This model works with all kinds of inputs, different inputs assigned to different terminals
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3: Load amps

40A	40 amps
75A	75 amps
80A	80 amps
120A	120 amps
150A	150 amps
175A	175 amps
200A	200 amps

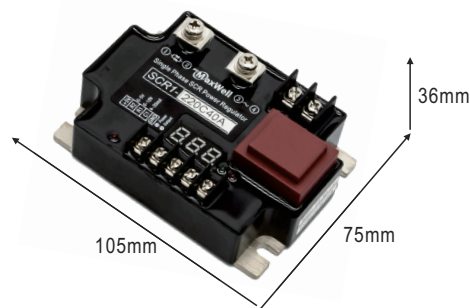
Remark: SCR1-220C120A, 120 amps multiple inputs, 220Vac source single phase SCR power regulators, 220Vac load

Note: You can order SCR only and purchase heatsink and cooling fans separately or we can sell complete kits with all parts already put together in our plant

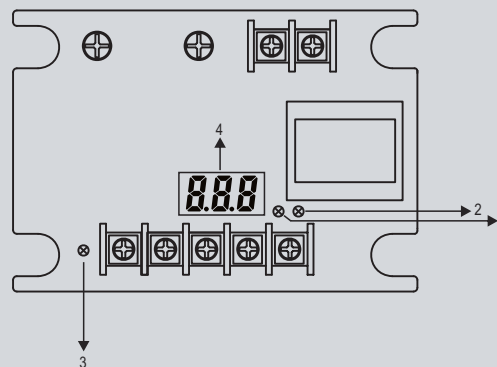
Guidelines on the selection and usage of this voltage regulator

- 1) Current rating, as a general rule consider using the relay at no more than 50% of its rated current for resistive load such as a heater, lamps etc.
- 2) Heatsinks must always be installed together with the SSR regardless of the load amps, natural convection cooling might be sufficient in some cases depends on the site situation, force air cooling must be taken into consideration under harsh conditions (contact our sales team for more info)
- 3) Fast fuse must be installed in the system to protect overload on the SSR
- 4) Silicon rubber pad or silicon compound must be applied to the bottom of the SSR to help the heat radiation
- 5) The SCR is 220V/380Vac load type, please choose correct voltage based on your application
- 6) This item is suitable for resistive load or very small inductive load
- 7) The screw for the input terminals has to be fastened securely, otherwise extra heat will be generated and accumulated on the screw and result the damage on the SCR
- 8) Control cabinet should have sufficient air flow, which means air flow in and out

Size and dimensions

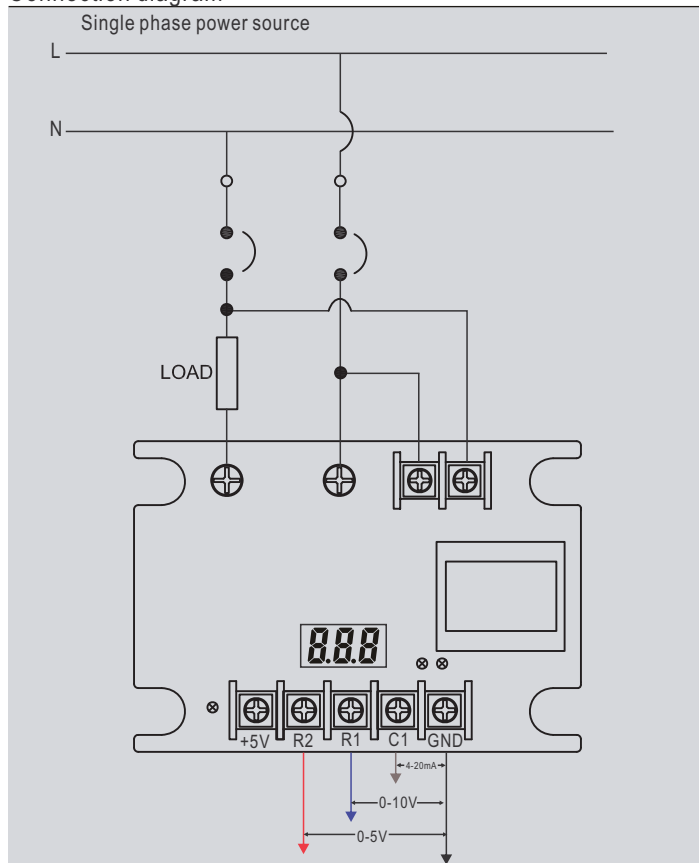


Panel description and indicator layout



- 1: Power supply indication, this indicator will light as long as you have 220Vac or 380Vac power supply feed to this SCR unit
- 2: Output indicator, this LED indicators will flash if output is activated, the frequency of the flashing indicates the output value, flash faster means the output is higher, flash in lower frequency means the output is lower
- 3: Over temperature indication, if temperature of the SCR increase and reach 90 degree, this indicator will light on.
- 4: Input and output digital display, the display at % format, for example, if the display is 10, means the input and output is 10%.

Connection diagram



This item works with different analog signal, depends on the different signal, the terminals to be used is different, R2 and GNG for 0-5Vdc input, R1 and GNG for 0-10Vdc input, C1 and GND for 4-20mA input

