



Features:

- Three phase power regulator, auto phase detection
- Soft start function to protect SCR and load against surge current
- Integrated display with various LED indicator for status and error display
- Integrated heatsink and fans with temperature detection
- Over temperature alarm, output protection after alarm on(except SCR-51)
- Maximum and minimum output configurable
- Auto/manual control bumpless transfer(except SCR-51)
- Run/stop function
- RS-485 modbus RTU display
- Event input function
- Rated load voltage 380~480Vac 50/60HZ
- Power supply for SCR to work is 100-240Vac, 12-24VDC optional
- Input, 0-10Vdc, 4-20mA, 0-5Vdc, 1-5Vdc, 2-10Vdc, 0-20mA, 0-10mA
- Rated current options, 40 amps, 60 amps, 75 amps, 100 amps.
- This SCR only compatible with resistive load

Technical Specifications

Ordering Information

SCR-**1**-**2****3****4****5**-**6****7**

1: Type of SCR power regulators

51	51 series SCR regulator(without alarm and RS-485 function)
6	6 series SCR regulator
7	7 series SCR regulator

2: Load phase

3	3 phase load system
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3: Load current

4	40 amps 380~480Vac
6	60 amps 380~480Vac
7	75 amps 380~480Vac
1	100 amps 380~480Vac(SCR-6 and SCR-51 available with 100 amps)

4: Power supply for the unit itself

2	100-240Vac
4	380Vac
D	12-24Vdc

5: Input signal

1	0-10mA
2	0-20mA
8	4-20mA
5	0-5Vdc(potentiometer)
6	0-10Vdc
7	1-5Vdc
3	2-10Vdc

6: Over temperature alarm(This option only available for SCR-6 and SCR-7)

N	without alarm
M	with 1 alarm, relay output

7: Communication(This option only available for SCR-6 and SCR-7)

N	without communication
M	With RS-485 modbus RTU communication

Remark: SCR-51 series do not have alarm and RS-485 options, only SCR-6 and SCR-7 have alarm and RS-485 option
only SCR-6 and SCR-51 series available with 100 amps

eg: SCR-6-3128-NN(SCR-6 3 phase regulator, 100 amps, 4-20mA input)
SCR-7-3728-MM(SCR-7 3 phase regulator, 70 amps, 4-20mA input,
with 1 alarm, with RS-485 communication)

Size and dimensions



Model: SCR-51-3428 40 amps
overall size:118mm*140mm*118mm
Mounting size:55mm*135mm

Model: SCR-51-3628 60 amps
overall size:133mm*140mm*118mm
Mounting size:55mm*135mm

Model: SCR-51-3728 75 amps
overall size:133mm*140mm*118mm
Mounting size:55mm*135mm



Model: SCR-7-3428 40 amps
overall size:160mm*110mm*148mm
Mounting size:105mm*100mm

Model: SCR-7-3628 60 amps
overall size:160mm*110mm*148mm
Mounting size:105mm*100mm

Model: SCR-7-3728 75 amps
overall size:160mm*110mm*148mm
Mounting size:105mm*100mm



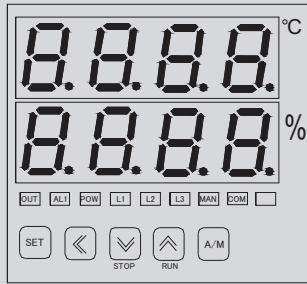
Model: SCR-6-3428 40 amps
overall size:160mm*140mm*145mm
Mounting size:120mm*130mm

Model: SCR-6-3628 60 amps
overall size:160mm*140mm*145mm
Mounting size:120mm*130mm

Model: SCR-6-3728 75 amps
overall size:160mm*140mm*145mm
Mounting size:120mm*130mm

Model: SCR-6-3128 100 amps
overall size:220mm*140mm*145mm
Mounting size:150mm*130mm

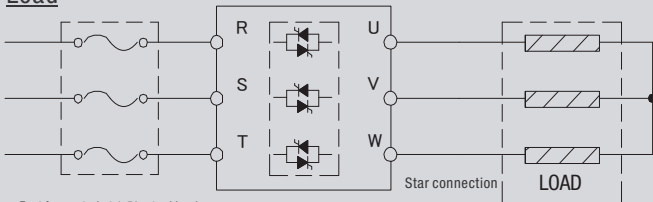
Panel discription



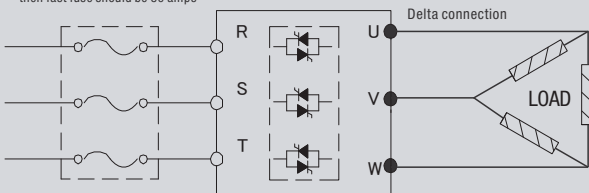
- INDICATOR**
- OUT: The flashing frequency indicate the output ratio
 - AL1: Over temperature alarm indicator
 - POW: Power feed indicator
 - L1: Phase indicator, when L1 absence, lights on
 - L2: Phase indicator, when L2 absence, lights on
 - L3: Phase indicator, when L3 absence, lights on
 - MAN: Manual control indicator
 - COM: Communication indicator
- SET KEY**
- SET: Parameter setting and configuraion
 - A/M: Manual/auto control switch
 - POW: Power feed indicator
 - <: Left shift key, to shift the display unit
 - ∇: Decrease key or Stop key

Connection diagram

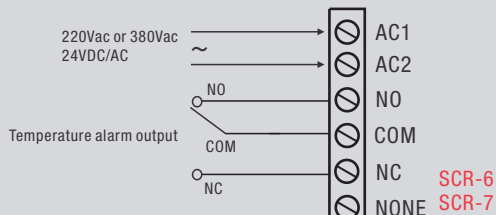
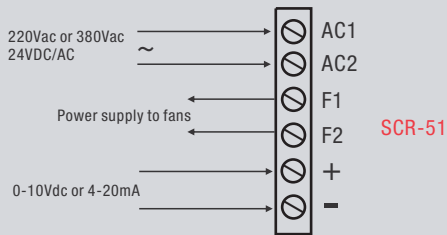
Load



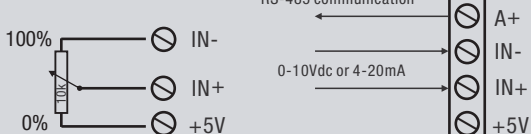
Fast fuse rated at 1.5*actual load
for example, if the actual current is 20 amps
then fast fuse should be 30 amps



Input



Potentiometer



Operation flow chart

Power on



Press SET once to enter into configuration menu

