



## 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

<b>51</b>	51 series SCR regulator(without alarm and RS-485 function)
<b>6</b>	6 series SCR regulator
<b>7</b>	7 series SCR regulator

#### 2: Load phase

<b>3</b>	3 phase load system
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#### 3: Load current

<b>4</b>	40 amps 380~480Vac
<b>6</b>	60 amps 380~480Vac
<b>7</b>	75 amps 380~480Vac
<b>1</b>	100 amps 380~480Vac(only SCR-6 with 100 amps option)

#### 3: Power supply for the unit itself

<b>2</b>	100-240Vac
<b>4</b>	380Vac
<b>D</b>	12-24Vdc

#### 4: Input signal

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

#### 5: Over temperature alarm(This is only available for SCR-6 and SCR-7)

<b>N</b>	without alarm
<b>M</b>	with 1 alarm, relay output

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

<b>N</b>	without communication
<b>M</b>	With RS-485 modbus RTU communication

Remark: T-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 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



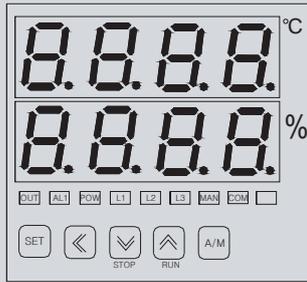
Model: SCR-6-3428 40 amps  
overall size:160mm\*140mm\*145mm  
Mounting size:120mm\*130mm

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

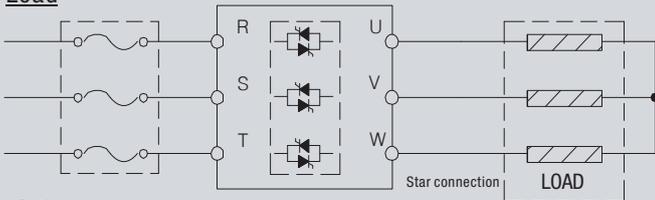
## Panel discription



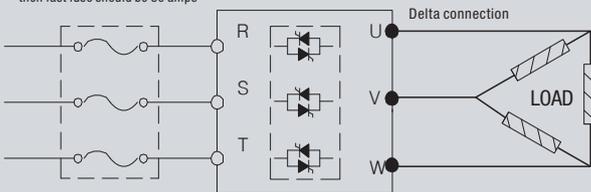
- INDICATOR**
- OUT: The flashing frequency indicate the output ratio
  - AL1: Over temperature alarm indicator
  - POW: Power feed indicator
  - L1: Phase indicator, when L1 absence, lights on
  - L2: Phase indicator, when L2 absence, lights on
  - L3: Phase indicator, when L3 absence, lights on
  - 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
  - v: Decrease key or Stop key

## Connection diagram

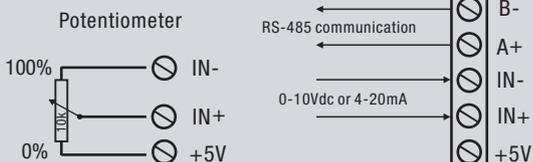
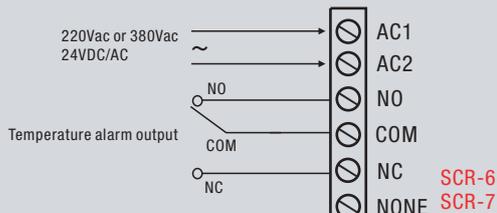
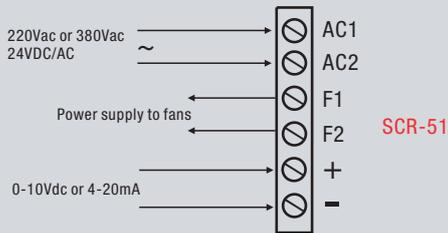
### Load



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



### Input



## Operation flow chart

### Power on



Press SET once to enter into configuration menu

