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# Product Catalogue

International version 2022



**SINOASIAN**



# Not be the same, be original!

## About us

Sinoasian Technology is acknowledged as one leading developer, manufacturer and exporter of electrical and electronic products in the world, located in Wenzhou China, near to Ningbo and Shanghai air and sea ports, which makes Sinoasian ideally and conveniently located for easily accessing to international transporation connections by land, air and sea.

Sinoasian Technology has the advanced equipments and production lines, skilled workers and excellent R&D, managing and service teams, in order to provide the top quality products and perfect services to the customers.

Sinoasian Technology takes the quality of the products and services as life. Our products and designs have got more than 30 patents and most of the international certificates such as CE, CB, CQC, RoHS, ISO9001.

Our products are mainly exported to Asian, European, American, African and domestic markets, and Sinoasian Technology also provides electrical and electronic solutions according to the customers' requirements.

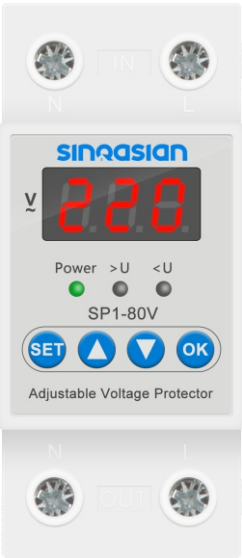
In order to meet new challenges and satisfy the increasing customer's requirements on our products and services, we will consistently keep on developing the new products and updating new technology.

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**SP1-80V(A) Series**  
Adjustable Voltage (Current) Protector



SP1-80V

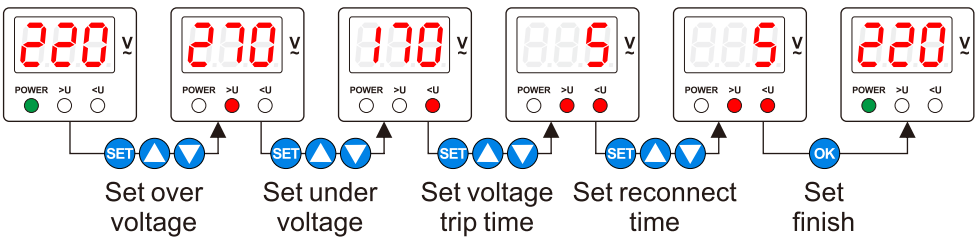
**Technical Parameters**

Mode code	SP1-80V	SP1-80VA
Pole number	2P (36mm)	
Rated current	40A, 63A, 80A	1-40A, 1-63A, 1-80A
Over-voltage range	230-300V (Default 270V)	
Under-voltage range	110-210V (Default 170V)	
Tripping delay time	1-30S (Default 5S)	
Reconnect delay time	1-500S (Default 5S)	
Power consumption	<1W	
Accuracy	<1%	
Altitude	<2000M	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	10,000 times	
Installation	35mm symmetrical DIN rail	
Connections	Screw terminal & pillar terminal with clamp	
Application	Environments of electric, industry and commerce	

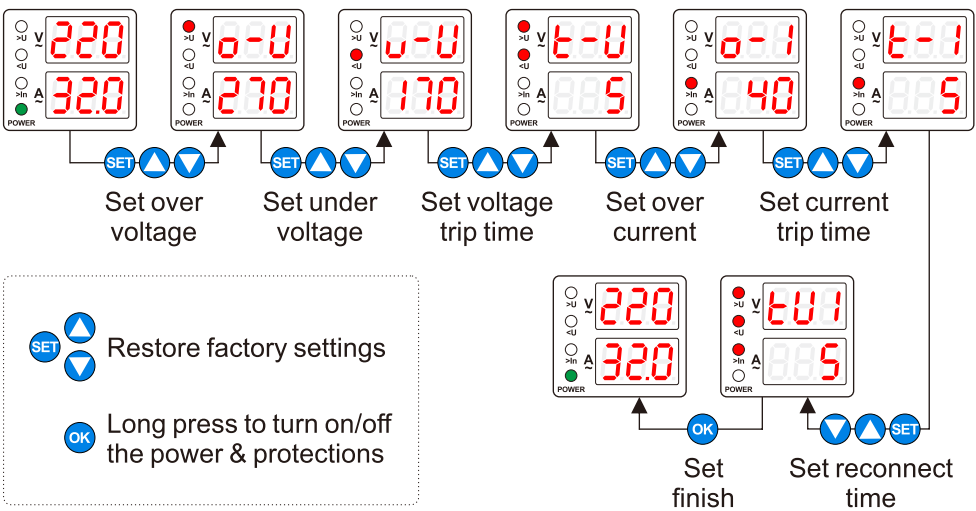
**Note:** Programs can be customized in large quantity.

**Parameters Settings**

SP1-80V

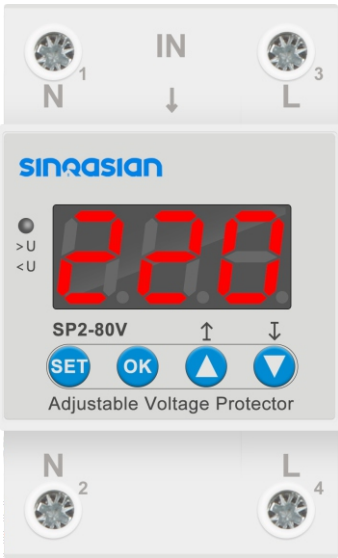


SP1-80VA



SP1-80VA

**SP2-80V(A) Series**  
Adjustable Voltage (Current) Protector



SP2-80V

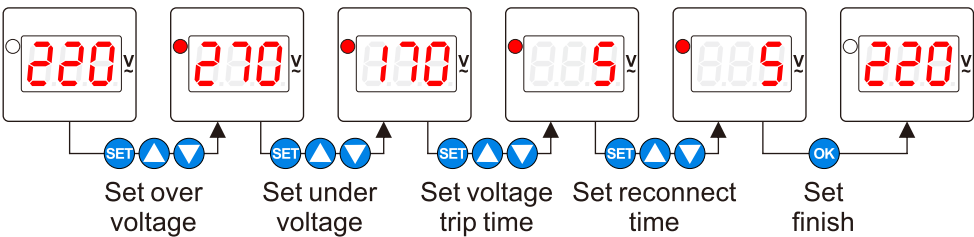
**Technical Parameters**

Mode code	SP2-80V	SP2-80VA
Pole number	2P (54mm)	
Rated current	40A, 63A, 80A	1-40A, 1-63A, 1-80A
Over-voltage range	230-300V (Default 270V)	
Under-voltage range	110-210V (Default 170V)	
Tripping delay time	1-30S (Default 5S)	
Reconnect delay time	1-500S (Default 5S)	
Power consumption	<1W	
Accuracy	<1%	
Altitude	<2000M	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	10,000 times	
Installation	35mm symmetrical DIN rail	
Connections	Screw terminal & pillar terminal with clamp	
Application	Environments of electric, industry and commerce	

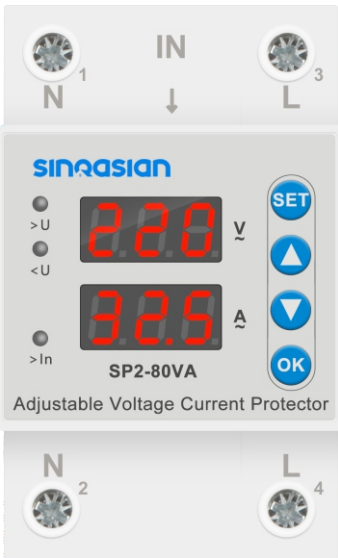
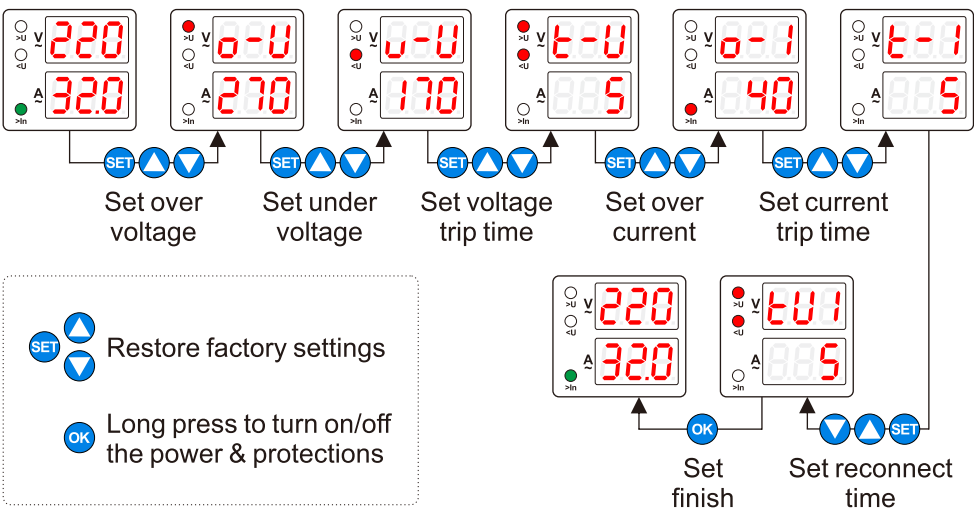
**Note:** Programs can be customized in large quantity.

**Parameters Settings**

SP2-80V



SP2-80VA



SP2-80VA



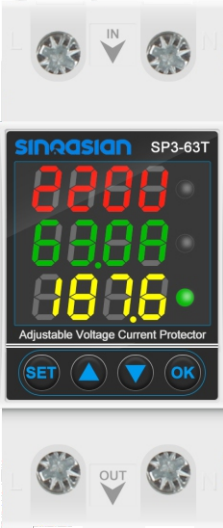
**SP3-80V(A)/63T Series**  
Adjustable Voltage (Current) Protector



SP3-80V



SP3-80VA



SP3-63T

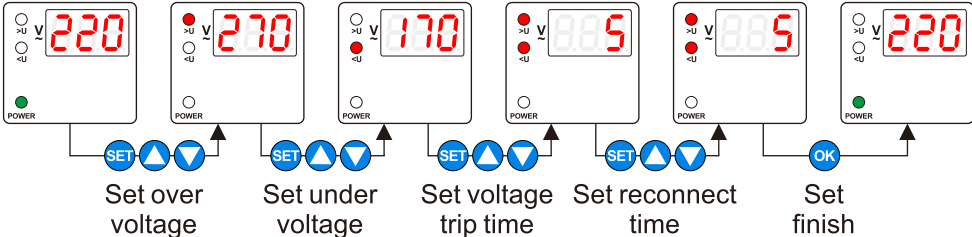
**Technical Parameters**

Mode code	SP3-80V	SP3-80VA	SP3-63T
Pole number	2P (36mm)		
Rated current	40A, 63A, 80A	1-40A, 1-63A, 1-80A	1-40A, 1-63A
Over-voltage range	230-300V (Default 270V)		
Under-voltage range	110-210V (Default 170V)		
Tripping delay time	1-30S (Default 5S)		
Reconnect delay time	1-500S (Default 5S)		
Power consumption	<1W		
Energy measurement	No		0-9999KW/h class 1
Accuracy	<1%		
Altitude	<2000M		
Ambient temperature	-20°C-70°C		
Electro-mechanical life	10,000 times		
Installation	35mm symmetrical DIN rail		
Connections	Screw terminal & pillar terminal with clamp		
Application	Environments of electric, industry and commerce		

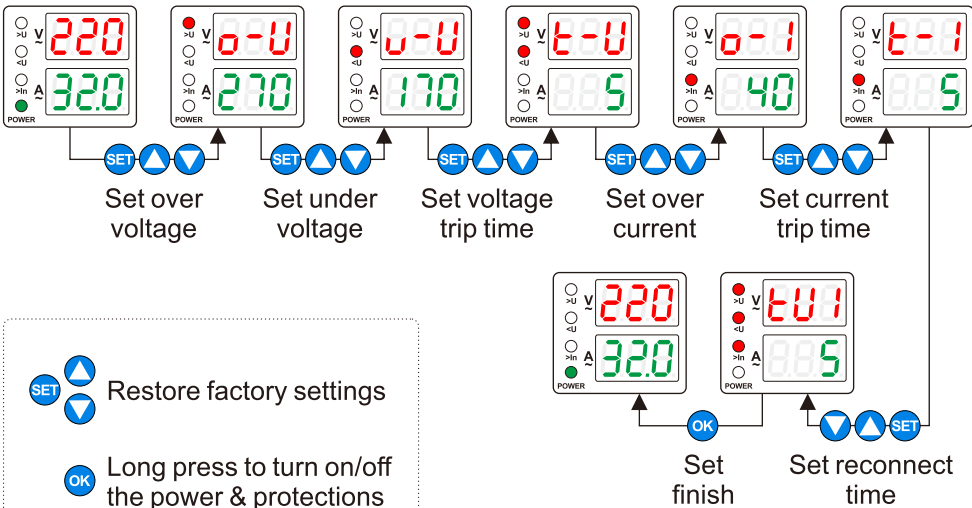
**Note:** Programs can be customized in large quantity.

**Parameters Settings**

SP3-80V



SP3-80VA



**SP3-63NR/NW Series**  
Adjustable Voltage Current Protector



SP3-63NR

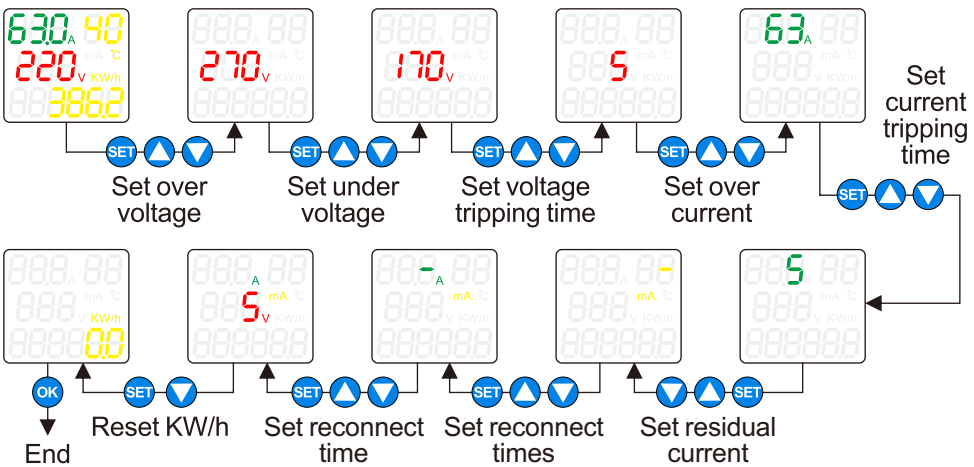
**Technical Parameters**

Mode code	SP3-63NR	SP3-63NW
Pole number	2P (36mm)	
Rated current	1-63A (Default 63A)	
Over-voltage range	230-300V (Default 270V)	
Under-voltage range	110-210V (Default 170V)	
Tripping delay time	1-30S (Default 5S)	
Reconnect delay time	1-500S (Default 5S)	
Residual current	10-99mA (Default -, OFF), <0.5S	
WiFi control	No	Yes
Temp. protection	>85°C (Internal temperature), <0.5S	
Energy measurement	0-999999KW/h class 1	
Auto reconnect times	0-20T (Default -, unlimited)	
Accuracy	<1%	
Altitude	<2000M	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	10,000 times	
Installation	35mm symmetrical DIN rail	
Connections	Screw terminal, pillar terminal with clamp & busbar	
Application	Environments of electric, industry and commerce	

**Note:** Programs can be customized in large quantity.

**Parameters Settings**

SP3-63NR/NW



**Note:** All of the above parameters can be also set in Tuya or Smart Life APP





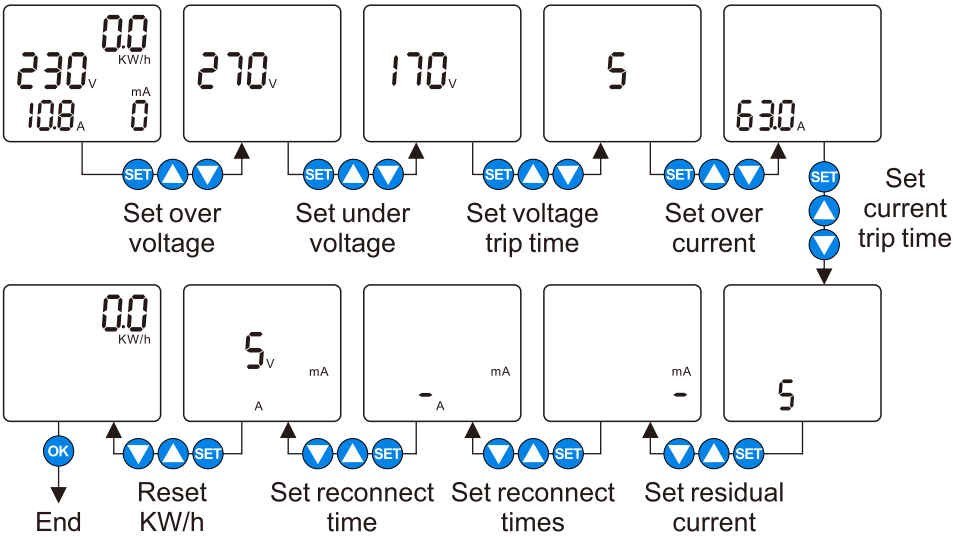
**SP3-63R(W) Series**  
Adjustable Voltage Current Protector

**Technical Parameters**

Mode code	SP3-63R	SP3-63RW
Pole number	2P (36mm)	
Rated current	1-63A (Default 63A)	
Over-voltage range	230-300V (Default 270V)	
Under-voltage range	110-210V (Default 170V)	
Tripping delay time	1-30S (Default 5S)	
Reconnect delay time	1-500S (Default 5S)	
Residual current	10-99mA (Default -, OFF), <0.5S	
WiFi control	No	Yes
Energy measurement	0-999999KW/h class 1	
Auto reconnect times	0-20T (Default -, unlimited)	
Accuracy	<1%	
Altitude	<2000M	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	10,000 times	
Installation	35mm symmetrical DIN rail	
Connections	Screw terminal, pillar terminal with clamp & busbar	
Application	Environments of electric, industry and commerce	

**Note:** Programs can be customized in large quantity.

**Parameters Settings**



**Note:** All of the above parameters can be also set in Tuya or Smart Life APP

- Long press to set WiFi
- Restore factory settings
- Long press to turn on/off the power & protections

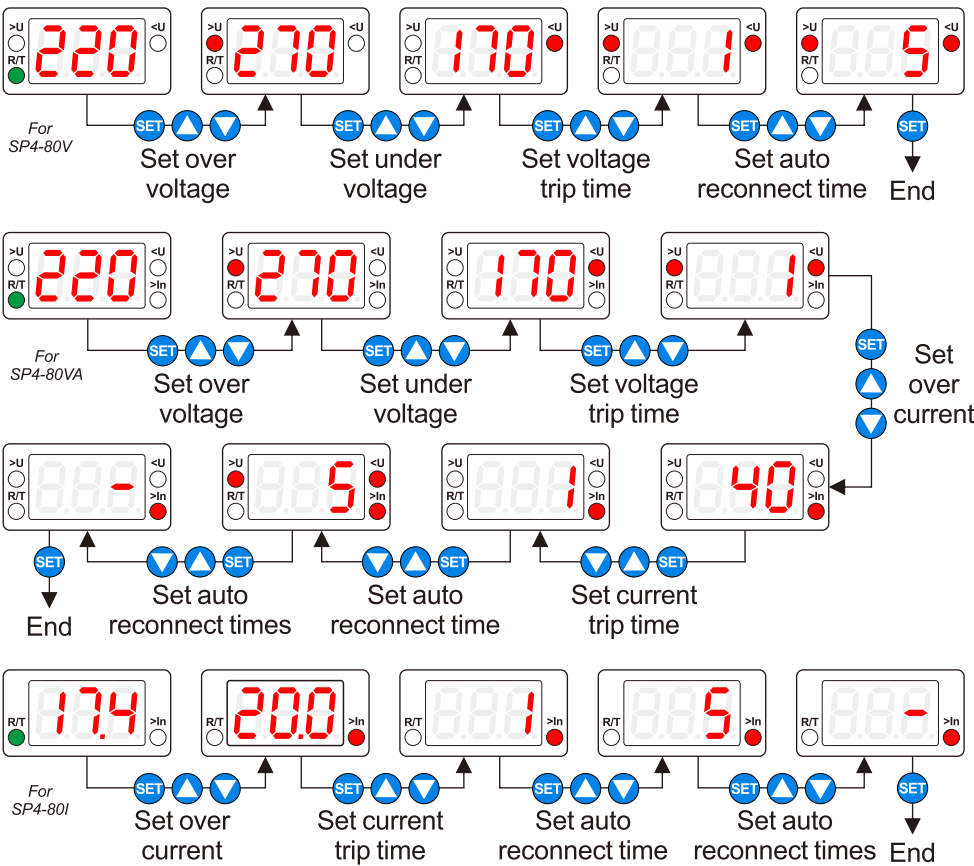
**SP4-80V(A)/I Series**  
Adjustable Voltage/Current Protector

**Technical Parameters**

Mode code	SP4-80V	SP4-80VA	SP4-80I
Pole number	2P (36mm)		
Rated current	40A, 63A, 80A	1-40A, 1-63A, 1-80A	
Over-voltage range	230-300V (Default 270V)		-
Under-voltage range	110-210V (Default 170V)		-
Tripping delay time	1-30S (Default 5S)		
Reconnect delay time	1-500S (Default 5S)		
Auto reconnect times	0-20T (Default -, unlimited)		
Accuracy	<1%		
Altitude	<2000M		
Ambient temperature	-20°C-70°C		
Electro-mechanical life	10,000 times		
Installation	35mm symmetrical DIN rail		
Connections	Screw terminal & pillar terminal with clamp		
Application	Environments of electric, industry and commerce		

**Note:** Programs can be customized in large quantity.

**Parameters Settings**



- Restore factory settings
- Long press to turn on/off the power & protections



SP4-80V



SP4-80VA



SP4-63I

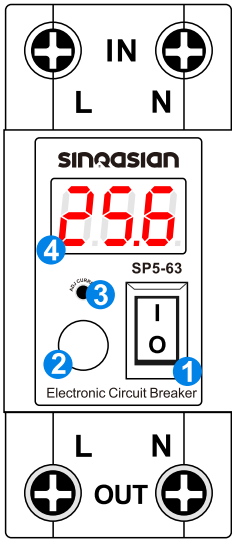
**SP5-63(D)(N) Series**  
Electronic Circuit Breaker

Technical Parameters

Mode code	SP5-63(N)	SP5-63D(N)
Pole number	2P (36mm)	
Rated current	1/2-20.8A (Default 20A, max 40A) 1-40A (Default 20A, max 60A) 1-63A (Default 20A, max 80A)	Fixed type 2/3/4/.../40/.../63A
Tripping delay time	Overload: 15S ( $\leq 60S$ for 2-20.8A); Large load: 0.5S	
Reconnect delay time	20S (15S for 2-20.8A)	
Power consumption	<1W	
Accuracy	<1%	
Altitude	<2000M	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	10,000 times	
Installation	35mm symmetrical DIN rail	
Connections	Screw terminal, pillar terminal with clamp & busbar	
Application	Environments of electric, industry and commerce	

**Note:** Programs can be customized in large quantity.

Parameters Settings



- 1 Power Switch
- 2 Lamp
- 3 Adjust Button
- 4 Current Display

SP5-63

- ◆ Turn 1 on, 2 & 4 will blink for 10secs, press 3 to enter current setting mode. Every press will increase 0.1A(0.2A) and long press will increase fast.
- ◆ When overload in the circuit is detected, 2 and 4 will blink for 15secs(not more than 60secs) in green color more and more fast, then power output will be shut off and 2 will shine in green 4lor, will show“Err”.
- ◆ In the event of large current, the power output will be shut off in 0.05sec. 2 will shine in red color and 4 will show “---”.
- ◆ 2 blinks for 20secs(15secs) then the power will reconnect automatically, meanwhile 2 will go off.
- ◆ Circuit breaker will repeat to shut off/reconnect until the current goes below the setting current.
- ◆ Turn 1 off before the maintenance of the lines.

**SP6-16V(A) Series**  
Adjustable Voltage (Current) Protector

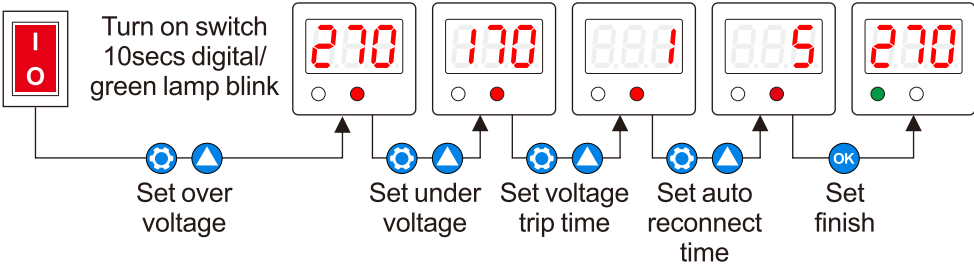
Technical Parameters

Mode code	SP6-16V	SP6-16VA
Pole number	1P (18mm)	
Rated current	16A	1-16A (Default 16A)
Over-voltage range	230-300V (Default 270V)	
Under-voltage range	110-210V (Default 170V)	
Tripping delay time	1-30S (Default 5S)	
Reconnect delay time	1-500S (Default 5S)	
Power consumption	<1W	
Accuracy	<1%	
Altitude	<2000M	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	10,000 times	
Installation	35mm symmetrical DIN rail	
Connections	Screw terminal & pillar terminal with clamp	
Application	Environments of electric, industry and commerce	

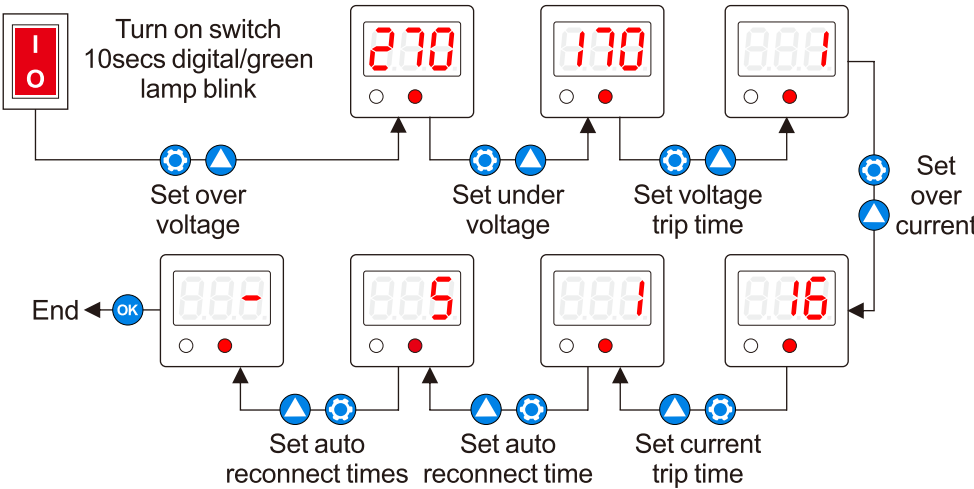
**Note:** Programs can be customized in large quantity.

Parameters Settings

SP6-16V



SP6-16VA



5-second long press to restore factory settings



**SP6-80V(A)/I Series**  
Adjustable Voltage/Current Protector



SP6-80V



SP6-80VA



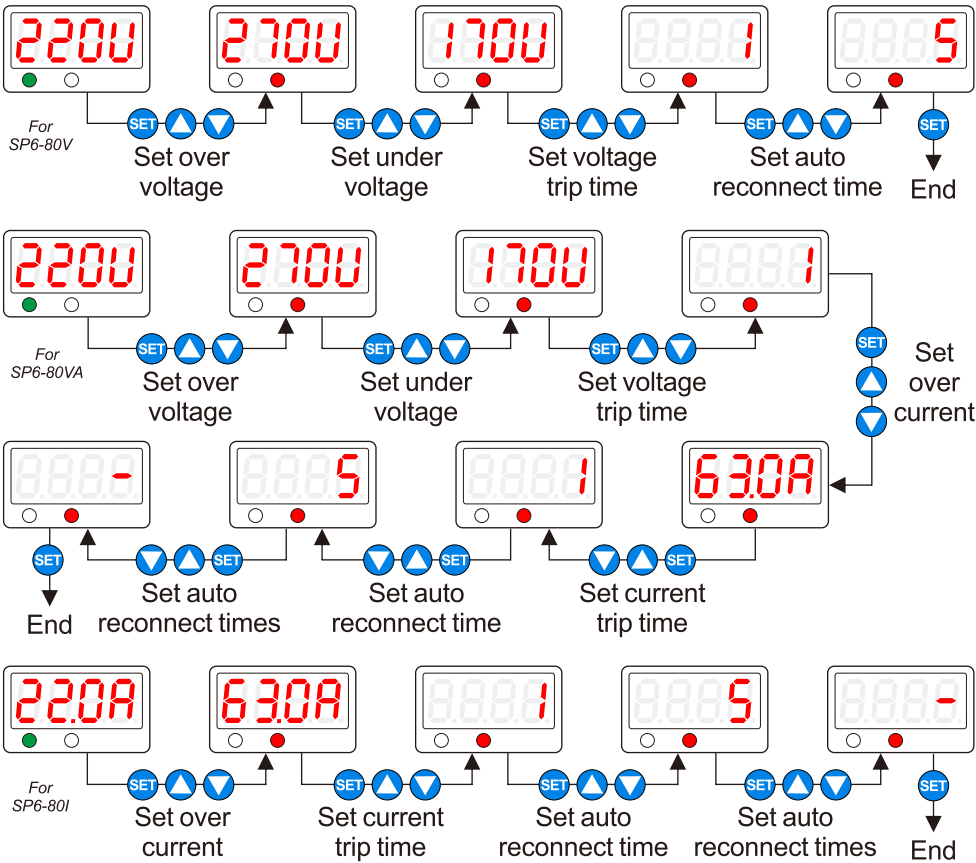
SP6-63I

**Technical Parameters**

Mode code	SP6-80V	SP6-80VA	SP6-80I
Pole number	2P (36mm)		
Rated current	40A, 63A, 80A	1-40A, 1-63A, 1-80A	
Over-voltage range	230-300V (Default 270V)		-
Under-voltage range	110-210V (Default 170V)		-
Tripping delay time	1-30S (Default 5S)		
Reconnect delay time	1-500S (Default 5S)		
Auto reconnect times	0-20T (Default -, unlimited)		
Accuracy	<1%		
Altitude	<2000M		
Ambient temperature	-20°C-70°C		
Electro-mechanical life	10,000 times		
Installation	35mm symmetrical DIN rail		
Connections	Screw terminal & pillar terminal with clamp		
Application	Environments of electric, industry and commerce		

**Note:** Programs can be customized in large quantity.

**Parameters Settings**



5-second long press to restore factory settings

**SP7-12(D) Series**  
Electronic Circuit Breaker



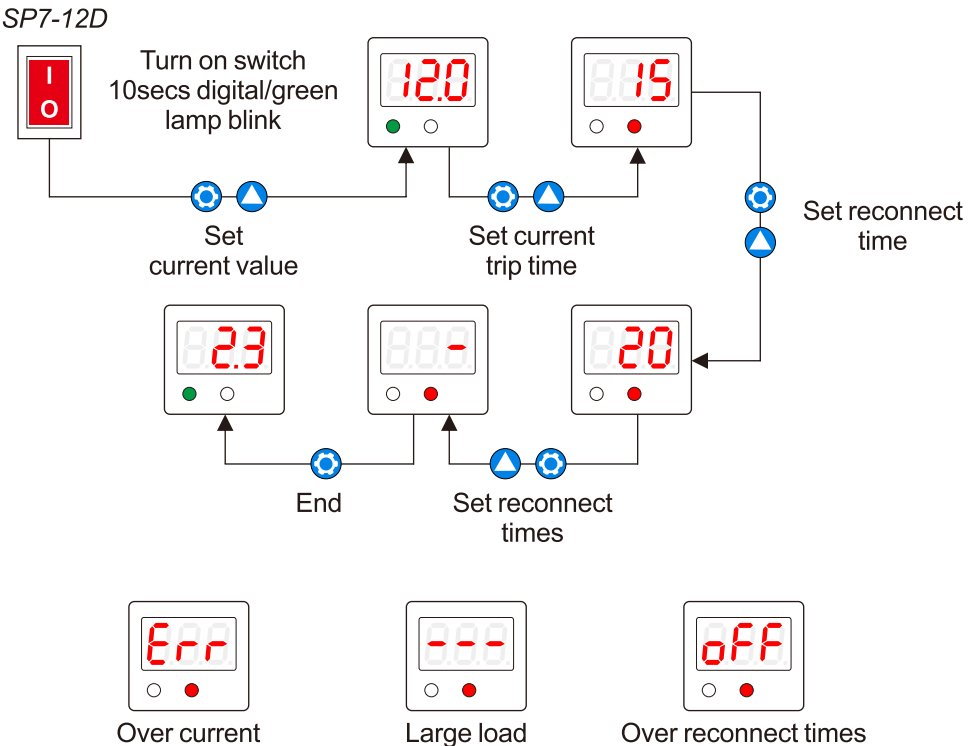
SP7-12D

**Technical Parameters**

Mode code	SP7-12D	SP7-12
Pole number	1P (18mm)	
Rated current	1-12A (Default 12A, max 16A)	1/2/.../12A (Default 16A)
Tripping delay time	1-30S (Default 15S)	15S
Large load trip time	0.5S	
Auto reconnect times	0-20T (Default -, unlimited)	Unlimited
Reconnect delay time	1-500S (Default 20S)	20S
Power consumption	<1W	
Accuracy	<1%	
Altitude	<2000M	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	10,000 times	
Installation	35mm symmetrical DIN rail	
Connections	Screw terminal & pillar terminal with clamp	
Application	Environments of electric, industry and commerce	

**Note:** Programs can be customized in large quantity.

**Parameters Settings**



5-second long press to restore factory settings

**SP7-63 Series**  
Electronic Circuit Breaker



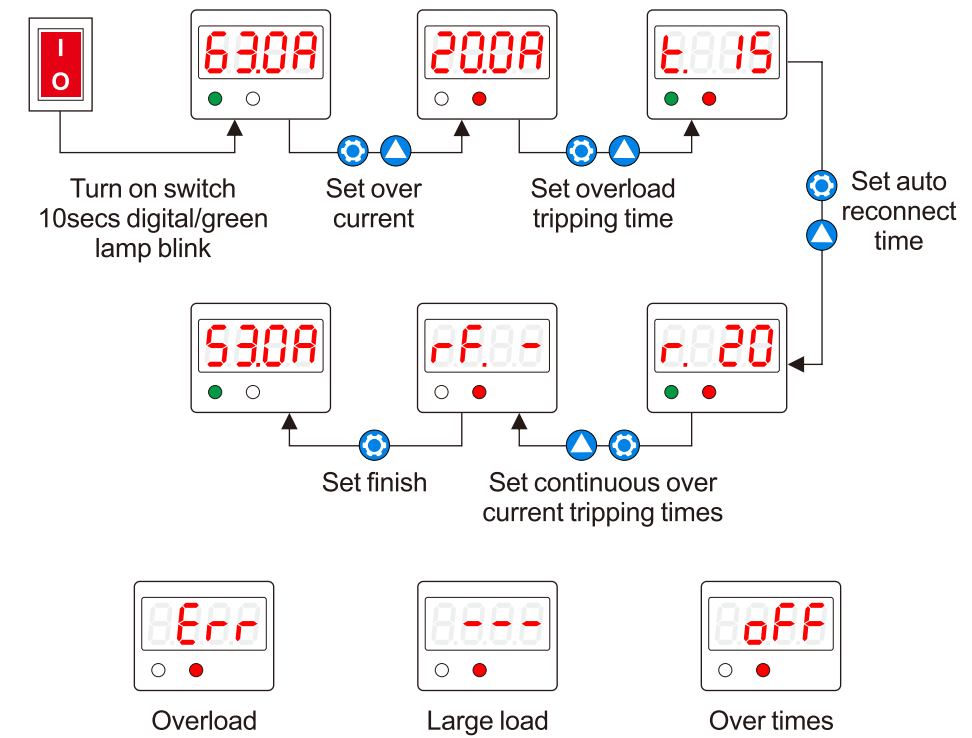
SP7-63

**Technical Parameters**

Mode code	SP7-63
Pole number	2P (36mm)
Rated current	1-20.8A (Default 20A, max 40A) 1-40A (Default 20A, max 60A) 1-63A (Default 20A, max 80A)
Tripping delay time	Overload: 1-30S (Default 15S); Large load: 0.5S
Reconnect delay time	1-500S (Default 20S)
Power consumption	<1W
Accuracy	<1%
Altitude	<2000M
Ambient temperature	-20°C-70°C
Electro-mechanical life	10,000 times
Installation	35mm symmetrical DIN rail
Connections	Screw terminal, pillar terminal with clamp & busbar
Application	Environments of electric, industry and commerce

**Note:** Programs can be customized in large quantity.

**Parameters Settings**



5-second long press to restore factory settings

**SP7-100L/M/H Series**  
Electronic Circuit Breaker



SP7-100L



SP7-100M



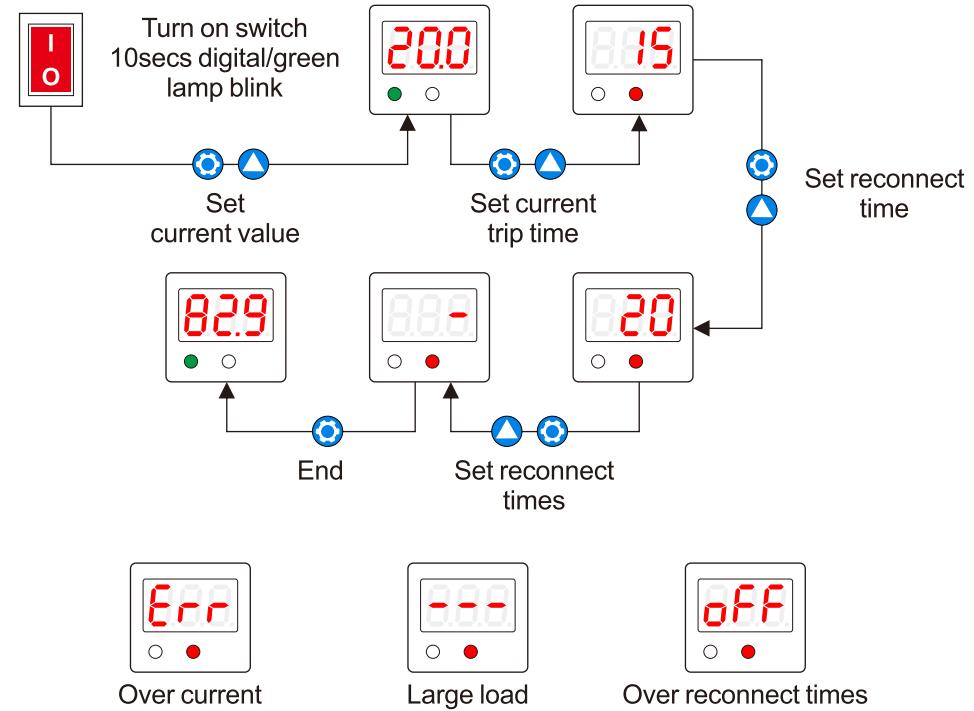
SP7-100H

**Technical Parameters**

Mode code	SP7-100L	SP7-100M	SP7-100H
Pole number	3P (54mm)	4P (72mm)	
Rated current	20-100A (Default 20A)		
Max peak current	120A	180A	250A
Tripping delay time	1-30S (Default 15S)		
Large load trip time	0.5S		
Auto reconnect times	0-20T (Default -, unlimited)		
Reconnect delay time	1-500S (Default 20S)		
Power consumption	<1W		
Accuracy	<1%		
Altitude	<2000M		
Ambient temperature	-20°C-70°C		
Electro-mechanical life	10,000 times		
Installation	35mm symmetrical DIN rail		
Connections	Screw terminal & pillar terminal with clamp		
Application	Environments of electric, industry and commerce		

**Note:** Programs can be customized in large quantity.

**Parameters Settings**



5-second long press to restore factory settings



**SP8-100N Series****3 Phase Adjustable Voltage Current Protector**

SP8-100N

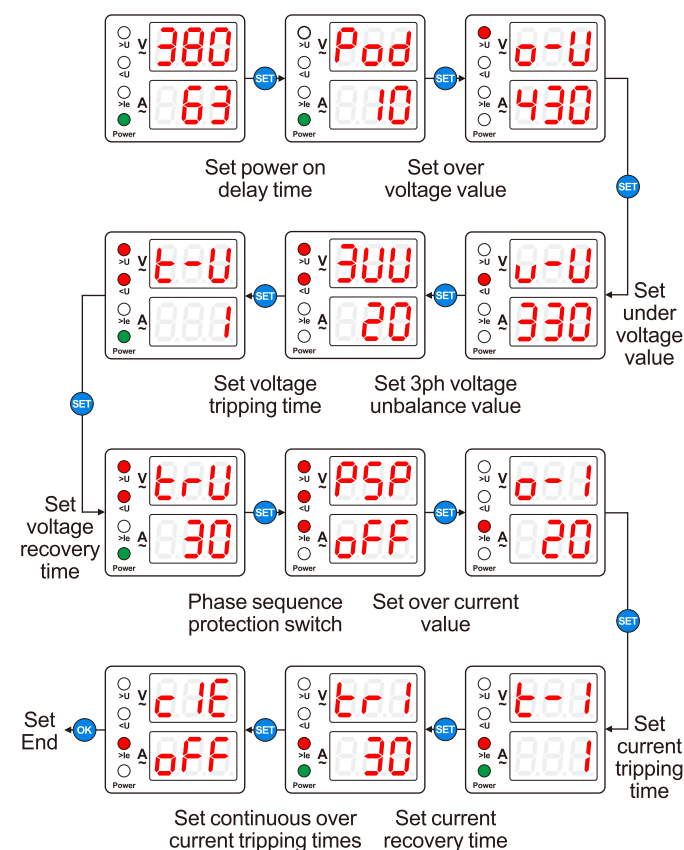
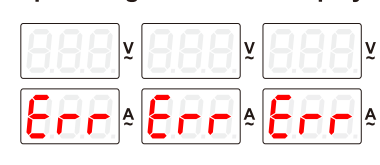
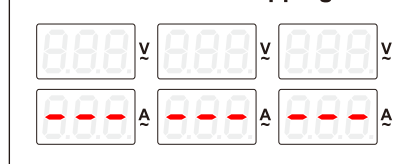
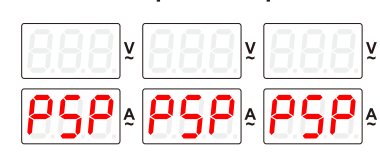
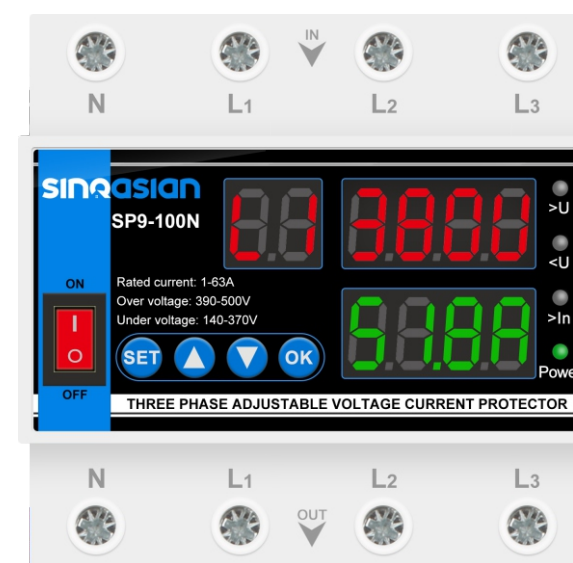
**Functions**

- ◆ Over-voltage protection
- ◆ Under-voltage protection
- ◆ Over-current protection
- ◆ Asymmetry protection
- ◆ Phase sequence protection
- ◆ Automatic recovery
- ◆ Working voltage/current display
- ◆ Adjustable voltage/current/time/...

**Technical Parameters**

- ◆ Model code: SP8-100N
- ◆ Pole: 5P (90mm)
- ◆ Rated current: 63A, 80A
- ◆ Adjustable setting ranges:
  - ◇ Over-voltage: 390~500V (Default: 430V)
  - ◇ Under-voltage: 140~370V (Default: 330V)
  - ◇ Over-current: 1~63A  
1~80A
  - ◇ Trip time: 1~30S (Default: 1S)
  - ◇ Recovery time: 1~500S (Default: 30S)
  - ◇ Power on delay time: 1~500S (Default: 10S)
- ◆ 3Ph voltage unbalance value: 20~99V (Default: 20V)
- ◆ Phase sequence switch: OFF/ON (Default: ON)
- ◆ Continuous over current tripping times: 0~20 (Default: OFF)
- ◆ Power consumption: <2W
- ◆ Electro-mechanical life: 100,000 times
- ◆ Installation: 35mm DIN rail

**Note:** Programs can be customized in large quantity.

**Parameters Settings****3ph voltage unbalance display****Continuous current tripping times****Incorrect phase sequence****SP9-100N Series****3 Phase Adjustable Voltage Current Protector**

SP9-100N

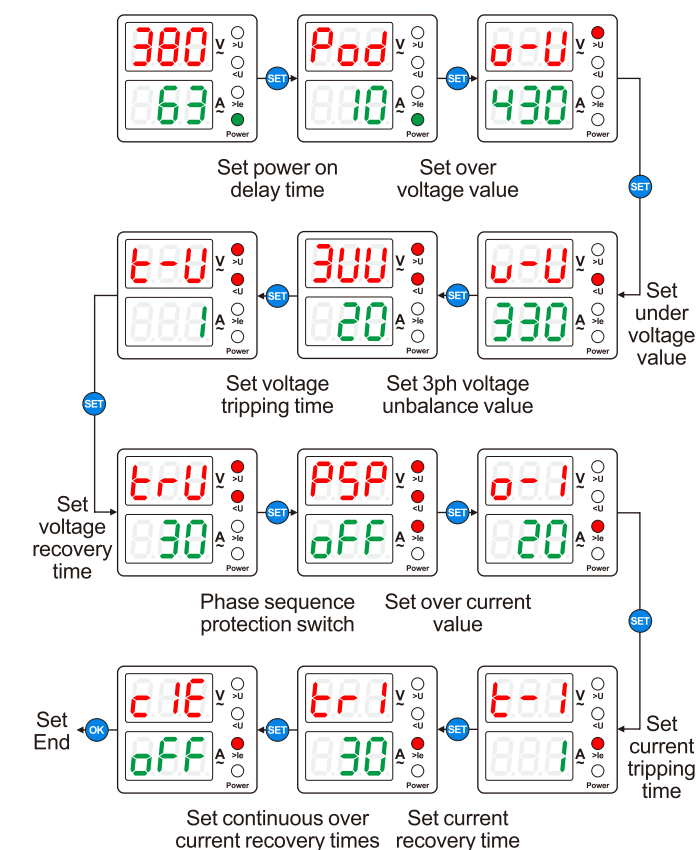
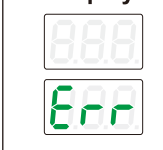
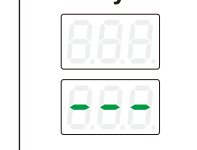
**Functions**

- ◆ Over-voltage protection
- ◆ Under-voltage protection
- ◆ Over-current protection
- ◆ Asymmetry protection
- ◆ Phase sequence protection
- ◆ Automatic recovery
- ◆ Working voltage/current display
- ◆ Adjustable voltage/current/time/...

**Technical Parameters**

- ◆ Model code: SP9-100N
- ◆ Pole: 5P (90mm)
- ◆ Rated current: 63A, 80A
- ◆ Adjustable setting ranges:
  - ◇ Over-voltage: 390~500V (Default: 430V)
  - ◇ Under-voltage: 140~370V (Default: 330V)
  - ◇ Over-current: 1~63A  
1~80A
  - ◇ Trip time: 1~30S (Default: 1S)
  - ◇ Recovery time: 1~500S (Default: 30S)
  - ◇ Power on delay time: 1~500S (Default: 10S)
- ◆ 3Ph voltage unbalance value: 20~99V (Default: 20V)
- ◆ Phase sequence switch: OFF/ON (Default: ON)
- ◆ Continuous over current recovery times: 0~20 (Default: OFF)
- ◆ Power consumption: <2W
- ◆ Electro-mechanical life: 100,000 times
- ◆ Installation: 35mm DIN rail

**Note:** Programs can be customized in large quantity.

**Parameters Settings****3ph voltage unbalance display****Continuous current recovery times****Incorrect phase sequence**

## SP11-63D/T/Q(i) Series

### Intelligent Changeover Switch



#### Functions

SP11-63D/T/Q(I) series intelligent changeover switch is designed to supply an single phase 220V load from different power supply in order to maintain uninterrupted power supply of essential single phase load and protect it against unallowable voltage variations in the mains. According to voltage presence & voltage quality on phases it will automatically select the optimum power supply and switch the single phase load supply to it.

#### Technical Parameters

Mode code	SP11-63D	SP11-63Di	SP11-63T	SP11-63Ti	SP11-63Q	SP11-63Qi
Pole number	3P (54mm)		5P (90mm)			
Umax/min setting range	220-300V (Default 270V) / 110-210V (Default 170V)					
Rated current	63A	1-63A (Default 63A)	63A	1-63A (Default 63A)	63A	1-63A (Default 63A)
Auto-reclosing delay (Ton)	1-600S (Default 5S)					
Delay to return to priority phase (Tr)	5-200S (Default OFF)					
Switch delay to reserve phases	<0.2S					
Voltage hysteresis	5V					
Umax/min trip delay	0.1S; ≥350V 0.02S / 5S					
Measurement accuracy	<1%					
Over current trip time	-	1-30S (Default 5S)	-	1-30S (Default 5S)	-	1-30S (Default 5S)
Over current recovery time	-	1-500S (Default 5S)	-	1-500S (Default 5S)	-	1-500S (Default 5S)
Rated insulation voltage	400V					
Electro-mechanical life	100,000					
Ambient temperature	-20°C-70°C					
Installation	35mm symmetrical DIN rail					

**Note:** Programs can be customized in large quantity.

## SP15-63E Series

### Automatic Reclosing Protector



SP15-63E

#### Functions & Features

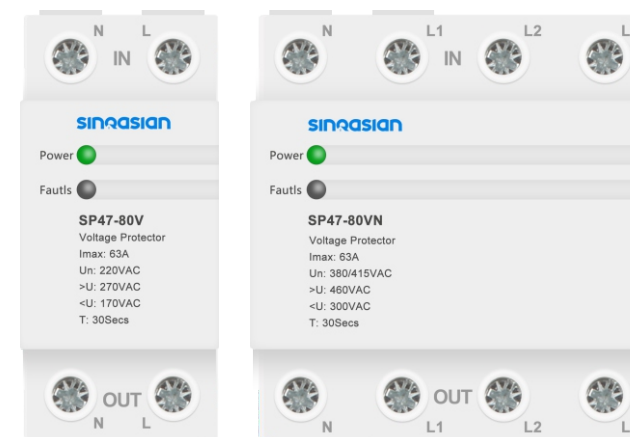
SP15-63E series is one of automatic reclosing protector developed and produced by sinoasian technology, supplying with multiple functions (over unner voltage, over current, earth leakage, real display, auto reconnect and adjustable parameters) in 40-60Hz, widely used in the environments of electric, industry and commerce.

#### Technical Parameters

Mode code	SP15-63E
Pole number	2.5P (45mm)
Rated voltage	220/230V AC
Rated current	1-63A (Default 63A)
Over-voltage range	250-300V
Under-voltage range	150-190V
Earth leakage breaking time	0.1S
Earth leakage current	10-99mA
Electro-mechanical life	100,000
Installation	35mm symmetrical DIN rail

## SP47-100V(N) Series

### Auto Reconnect Voltage Protector



SP47-100V

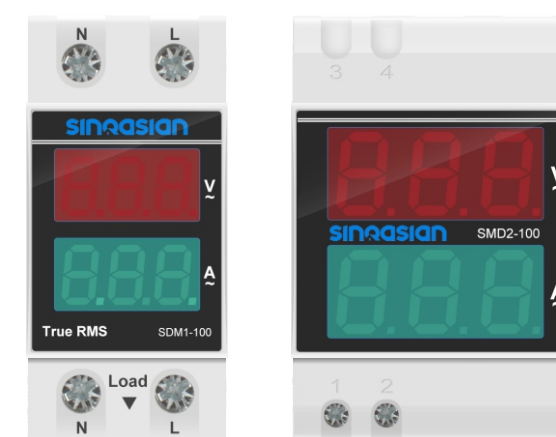
SP47-100VN

#### Technical Parameters

Mode code	SP47-100V	SP47-100VN
Pole number	2P (36mm)	4P (72mm)
Rated voltage	220/230V AC	380/415V AC
Rated current	40A, 63A, 80A	
Over/unner voltage	170V/270V)	300V/460V
Delay time	30S	

## SDM1/2-100 Series

### Digital Voltage Current Meter



SDM1-100

SDM2-100

#### Technical Parameters

Mode code	SDM1-100	SDM2-100
Pole number	2P (36mm)	3P (54mm)
Voltage range	80-300V/200-450V (custmozied)	
Current Range	0-63/100A (customized)	
Accuracy	± 1%	
Installation	35mm symmetrical DIN rail	



SVP-7/7N/7D(S) Series  
Socket Voltage Protector

Functions & Features

SVP-7/7N/7D series is one of voltage protectors developed and produced by sinoasian technology, supplying with over voltage and under voltage protections in 40-60Hz, widely used in the environments of home electric, industry and commerce.

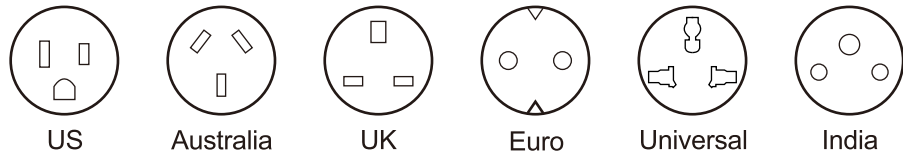
Technical Parameters

Mode code	SVP-7/7N	SVP-7S/7NS
Rated current	15A	
Over-voltage range	250V (Customized)	135V (Customized)
Under-voltage range	170V (Customized)	85V (Customized)
Tripping time	<0.05S (Customized)	
Reconnect/Power on time	180S (Customized)	
Power consumption	<1W	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	100,000	
Surge suppression	160J	

Mode code	SVP-7D	SVP-7DS
Rated current	15A	
Over-voltage range	230-300V (Default 270V)	130-150V (Default 135V)
Under-voltage range	110-210V (Default 170V)	70-110V (Default 85V)
Tripping time	<0.05S (Customized)	
Reconnect/Power on time	1-500S (Default 30S)	
Power consumption	<1W	
Ambient temperature	-20°C-70°C	
Electro-mechanical life	100,000	
Surge suppression	160J	

**Note:** Programs can be customized in large quantity.

Socket & Plug Types



SVP-7



SVP-7N



SVP-7D

SVP-1/2/2D/3/4F/4T & AVS-15/30 Series  
Socket & Wiring Voltage Protector



SVP-1 Series

Socket voltage protector



SVP-2 Series

Socket voltage protector



SVP-2D Series

Adjustable socket voltage protector



SVP-4F/T Series

Fridge/TV guard



SVP-3 Series

Adjustable socket voltage protector



AVS-15 Series

Socket voltage protector



AVS-30 Series

Wiring voltage protector



SR1(N) Series  
Floatless Level Switch

Functions & Features

SR1(N) series is one of floatless level switches developed and produced by adopting international advanced technology, that controls the height of the liquid. It uses the conductivity of the liquid to turn on or off the contact output when the liquid level reaches a certain height, and automatically monitor run or stop of the water pump to achieve the purpose of controlling the amount of liquid in the container.

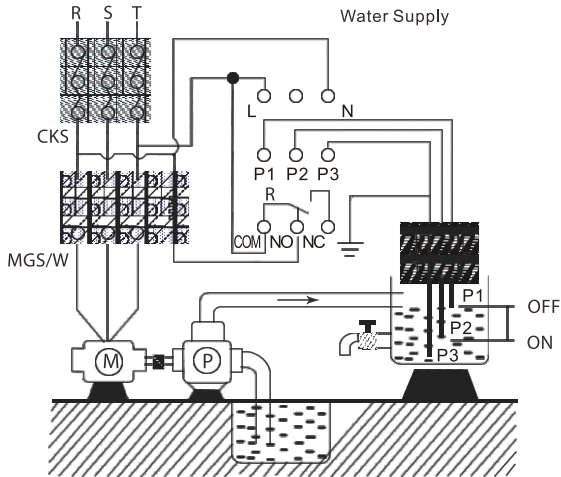
Technical Parameters

Mode code	SR1(N)
Pole number	1P (18mm)
Rated current	5A
Operating frequency	50/60Hz
Rated voltage	AC 110V, AC 220V
Output characteristics	SPDT, DPDT
Output voltage	8V (For liquid with low intrinsic resistance) 12V (For normal purified water and sewage) 24V (For liquid with high intrinsic resistance)

Wiring Diagram

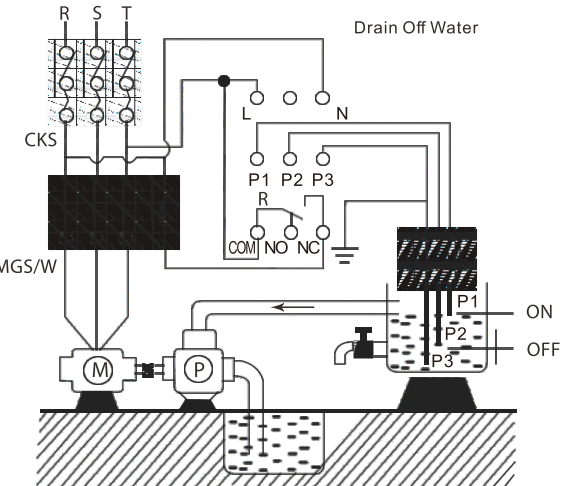
Water supply wiring diagram

When water level of tank reaches E1, pump stops working and stops the water intake;  
When water level drops below E2, pump runs automatically and water tank starts to enter water.  
When pump is running, the light is off.



Drainage wiring diagram

When water level of tank reaches E1, pump starts to work and starts to drain;  
When water level drops below E2, pump stops working and water tank stops draining.  
When pump is running, the light is on.



SR1



SR1N

SR2 Series  
Time Relay



SR211

SR221

SR232

SR241

SR231

SR2N1

Technical Parameters

Mode code	SR2110	SR2111	SR2120	SR2121	SR2130	SR2150	SR2151	SR2520
Output characteristics	SPDT On Delay	SPDT Off Delay	DPDT On Delay	DPDT Off Delay	DPDT 1Inst 1Delay	SPDT Single-period		DPDT 1Inst 1Delay
Rated current	5A/16A							5A
Working voltage	Single voltage: AC12V/24V/110V/220V, DC12V/24V Wide voltage: AC/DC12-240V							AC220V AC380V
Time range	1/3/6/10/30/60S, 3/6/10/30/60M, 3/6/10/30H (Customized)							30/60S
Change time								0.1S/0.2S/0.5S

Mode code	SR2160	SR2161	SR2170	SR2171	SR2180	SR2181	SR221T	SR222T
Output characteristics	DPDT Single-period		SPDT Multi-period		DPDT Single-period		SPDT Multi-period	DPDT Multi-period
Rated current	5A/16A							
Working voltage	Single voltage: AC12V/24V/110V/220V, DC12V/24V Wide voltage: AC/DC12-240V							
Time range	1/3/6/10/30/60S, 3/6/10/30/60M, 3/6/10/30H (Customized)							0.1S-10D

Mode code	SR221*	SR222*	SR2250	SR2251	SR2260	SR2261	SR2270	SR2271
Output characteristics	SPDT Multi -period Time-delay	DPDT Multi -period Time-delay	SPDT Multi-period		DPDT Multi-period		SPDT Multi-period	
Rated current	5A/16A							
Working voltage	Single voltage: AC12V/24V/110V/220V, DC12V/24V Wide voltage: AC/DC12-240V							
Time range	1/3/6/10/30/60S, 3/6/10/30/60M, 3/6/10/30H (Customized)							0.1S-10D



**SR2N Series****Multi-function Time Relay**

Mode code	SR2280	SR2281	SR2290	SR232*	SR241T	SR242T	SR231T	SR232T
Output characteristics	DPDT Multi-period		SPDT Multi-period	Multi-period Time -delay A/B mode	Multi-period cir- culation SPDT	Multi-period cir- culation DPDT	SPDT	DPDT
Rated current	5A/16A						16A@240VAC, 24VDC	
Working voltage	Single voltage: AC12V/24V/110V/220V, DC12V/24V Wide voltage: AC/DC12-240V						12-240VAC/DC 10 functions	
Time range	1/3/6/10/30/60S, 3/6/10/30/60M, 3/6/10/30H (Customized)						0.1S-10D	
Change time							Rest time 150ms Trigger pulse 50ms	

Mode code	SR2N1T	SR2N2T
Output characteristics	SPDT	DPDT
Rated current	16A@240V, 24VDC	
Mini switching current	100mA	
Voltage range	12-240VAC/DC	
Operating range (of nominal)	85%-110%	
Functions available	Max. 20 (Customized)	
Time range	0.1S-999days	

**Diagrams of Functions (Customized)**

<b>01</b> On delay 	<b>05</b> Pulse generator 	<b>09</b> Pulse II with external start 	<b>15</b> Start-stop 
<b>02</b> Off delay 	<b>06</b> On delay by external control 	<b>10</b> On/off delay by external control 	<b>16</b> Double off delay by external control 
<b>03</b> Cycle time delay (Off start) 	<b>07</b> Off delay by external control 	<b>11</b> Latching relay 	<b>17</b> On delay I with external start 
<b>04</b> Cycle time delay (On start) 	<b>08</b> Pulse I with external start 	<b>12</b> Cycle time delay with external control (Off start) 	<b>18</b> On delay II with external start 
<b>19</b> Normal on 	<b>20</b> Normal off 	<b>13</b> Cycle time delay with external control (On start) 	
<b>14</b> Pulse generator with external start 			

**SR3(N) Series****Light Activated Switch & Staircase Light Time Switch**

SR311

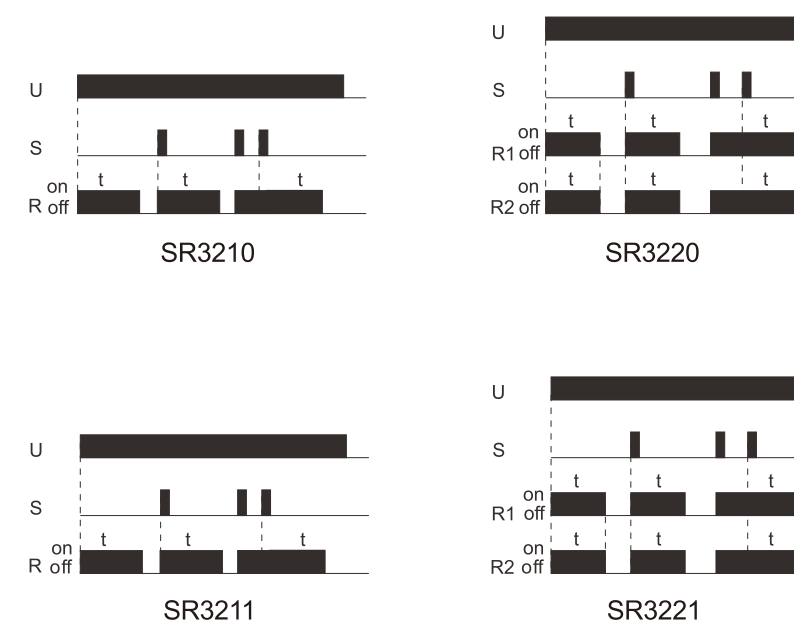
SR3N1

**Technical Parameters**

Mode code	SR311/SR3N1
Pole number	1P (18mm)
2300W	Incandescent lamp, halogen lamp, 230V
2300VA	Fluorescent tube
8x40W (4.7μF), 6x58W (7μF), 2x100W (18μF)	Parallel compensated fluorescent tube, max. 400W (42μF)
12x7W, 8x11W, 4x20W	Compact fluorescent lamp (CFL), max. 90W
1000VA	Non-corrected mercury/sodium vapour lamp
400VA (42μF)	Parallel-corrected mercury/sodium vapour lamp
20W	LED up to 2W
55W	LED between 2W and 8W
Output characteristics	SPDT
Contact load output	16A/250VAC
Working voltage	Single voltage, AC 110V, 220V

**Technical Parameters**

Mode code	SR3210	SR3220	SR3211	SR3221
Output characteristics	SPDT	DPDT	SPDT	DPDT
Rated current	5A/16A			
Working voltage	Single voltage: AC110V/220V			
Time range	1S, 2S...1M, 2M...1H...30H (Customized)			

**Functions**

SR3210

SR3220

SR3211

SR3221

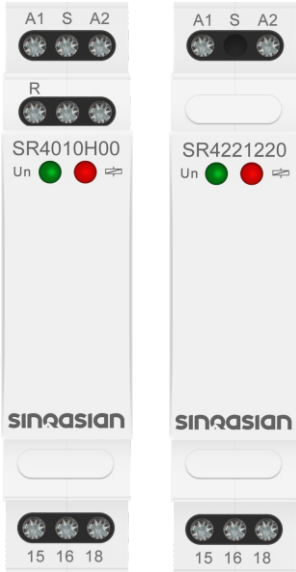
SR321

SR4 Series  
Step/Monostable & Call/Rest Relay

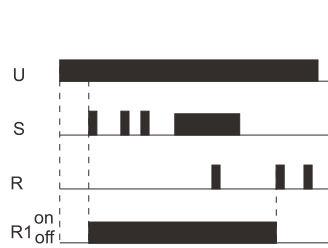
Technical Parameters

Mode code	SR4010	SR4020	SR4110	SR4210	SR4220	SR4221	SR4222	SR4223
Output characteristics	SPDT	DPDT	SPDT	SPDT	DPDT	DPDT	DPDT	DPDT
Rated current	5A/16A							
Working voltage	Single voltage: AC12V/24V/110V/220V, DC12V/24V Wide voltage: AC/DC12-240V							

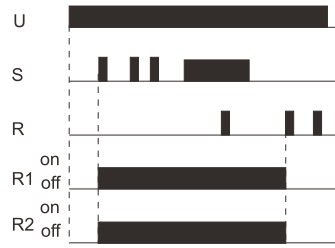
Functions



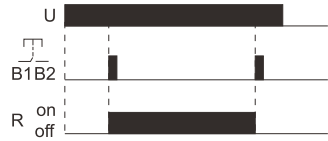
SR4



Sr4010



Sr4020



Step



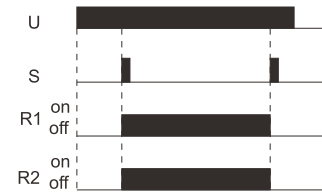
Monostable

SR4110



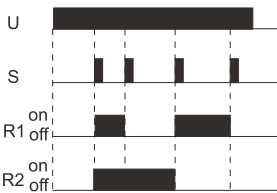
Step0

SR4210



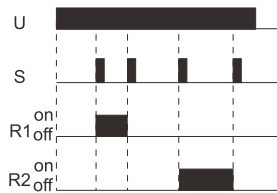
Step0

SR4220



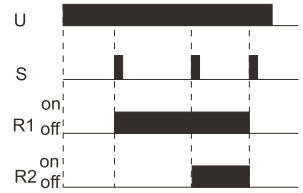
Step1

SR4221



Step2

SR4222



Step3

SR4223

SR5 Series  
Switching Power Supply

Technical Parameters

Mode code	SR5111805	SR5111812	SR5111815	SR5111824	SR5111848
DC voltage	5V	12V	15V	24V	48V
Rated current	2.4A	1.25A	1A	0.63A	0.32A
Rated power	12W	15W	15W	15.2W	15.4W
Ripple and noise (Max)	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Voltage adjust range	4.5-5.5V	10.8-13.8V	13.5-18V	21.6-29V	43.2-55.2V
Voltage accuracy	±2.0%	±1.0%			
Linear adjust rate	±1.0%				
Load adjust rate	±1.0%V				
Start & rise time	2000ms, 80ms/230VAC		2000ms, 80ms/115VAC (Under full load)		
Hold time	300ms,.230VAC		12ms/115VAC (Under full load)		
Voltage range	85-264VAC (277VAC available)		120-370VDC (390V DC available)		
Frequency range	47-63Hz				
Efficiency	80%	85%	85.5%	86%	87%
Alternating current	0.5A/115VAC		0.25A/230VAC		
Surge current	Cold start 25A/115VAC		45A/230VAC		
Over-voltage	5.75-6.75V	14.2-16.2V	18.8-22.5V	30-36V	56.5-64.8V
	Protection mode: turn off the output, clamp by the Zener diode				



SR51118

Mode code	SR5113605	SR5113612	SR5113615	SR5113624	SR5113648
DC voltage	5V	12V	15V	24V	48V
Rated current	3A	2A	2A	1.5A	0.75A
Rated power	15W	24W	30W	36W	36W
Ripple and noise (Max)	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Voltage adjust range	4.5-5.5V	10.8-13.8V	13.5-18V	21.6-29V	43.2-55.2V
Voltage accuracy	±2.0%	±1.0%			
Linear adjust rate	±1.0%				
Load adjust rate	±1.0%V				
Start & rise time	2000ms, 80ms/230VAC		2000ms, 80ms/115VAC (Under full load)		
Hold time	300ms,.230VAC		12ms/115VAC (Under full load)		
Voltage range	85-264VAC (277VAC available)		120-370VDC (390V DC available)		
Frequency range	47-63Hz				
Efficiency	82%	88%	89%	89%	90%
Alternating current	0.5A/115VAC		0.25A/230VAC		
Surge current	Cold start 25A/115VAC		45A/230VAC		
Over-voltage	5.75-6.75V	14.2-16.2V	18.8-22.5V	30-36V	56.5-64.8V
	Protection mode: turn off the output, clamp by the Zener diode				



SR51136

Overload	110-145% of rated output power When the output voltage is less than 50%, it is in hiccup mode. When the output voltage is 50%-100%, it is in constant current mode. It auto-recovers after the abnormal load condition is removed.
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**SVM Series**  
Digital Voltage Current Meter



**Functions & Features**

SVM-1(D)/3(T) series is one of the voltage meter developed and produced by adopting international advanced technology, widely used in the environments of home electric, industry and commerce, which owns the type of single phase, 3 x single phase and three phase.

**Technical Parameters**

Mode code	SVM-1	SVM-1D	SVM-3	SVM-3T
Pole number	1P (18mm)			
Voltage range	80V-500V AC			
Current range	-	1-100A	-	-
Rated frequency	50/60Hz			
Phase	Single			Three
Accuracy	<1%			
Refresh rate	200mS/Time			
Electrical life	>15,000Hrs			

**SCB1-80W(M) Series**  
Din-rail WiFi Remote Control Switch



**Functions & Features**

SCB1-80W(M) series is one of din-rail Wifi remote control switches developed and produced by adopting international advanced technology, supplying with remote control ON/OFF and measurement of electricity in mobile phone in 50/60Hz.

**Technical Parameters**

Mode code	SCB1-80W	SCB1-80WM
Pole number	2P (36mm)	
Working voltage	110-300V	
Voltage current	1-40A, 1-63A, 1-80A	
Timing function	Yes	
Countdown function	Yes	
Supported APP	Smart life/Tuya	
Energy measurement	No	Yes
Ambient temperature	-20°C-70°C	
Power consumption	<1W	
Electro-mechanical life	100,000	

**STP1-6 Series**  
Multi-functional Phase Protector



**Functions & Features**

STP1-6 series is one of protectors developed and produced by adopting international advanced technology, supplying with multiple functions (over voltage, under voltage, voltage unbalance, phase failure and sequence) in 50/60Hz.

**Technical Parameters**

Mode code	STP1-6
Pole number	2.5P (45mm)
Over voltage range	140-370V (Default 330V)
Under voltage range	390-500V (Default 430V)
Voltage unbalance value	5-99V
Voltage tripping time	1-30S (Default 0.5S)
Phase faults tripping time	0.5S
Reconnect times	1-20T (Default -, unlimited)
Output	1 NO, 1NC
Contact capacity	6A 250V AC (Resistive load)

**STC-220(D) Series**  
Din-rail Type Digital Thermostat



**Technical Parameters**

Mode code	STC-220(D)
Pole number	2.5P (45mm)
Power supply	220V AC (220V AC, 12/24V DC for STC-220D)
Operating frequency	50/60Hz
Measure range	5-99V
Accuracy	1
Sensor	NTC 10K with 2-meter cable

**Wiring Diagram**

