

# Product Catalogue

Technology creates a better life | Ver. 2024/2025



iTekniko<sup>®</sup>  
Owned by **SINASIAN**

# About us

Sieben Group is acknowledged as one leading developer, manufacturer and export of electronic and electrical products, from China, near to Ningbo and Shanghai ports, which makes us ideally and conveniently located for easily accessing to international transportation connections by land, air and sea.

Sieben Group has 3 wholly-owned subsidiaries, which are iTekniko Electronic, Sieben Electric and Sinoasian Technology, with the advanced equipments and production lines, the skilled workers and excellent R&D, managing and service teams, in order to provide the top quality products and perfect services to the customers.

Sieben Group takes the quality of the products and services as life. The products and designs have got more than 50 patents and related international certificates such as CE, CB, CQC, RoHS, ISO9001 and so on.

The main markets are Asia, Europe, America and Africa. The electronic and electrical solutions according to the customers' requirements are also be provided.

Sieben Group will consistently keep on developing new products and updating new technology in order to meet new challenges and satisfy the increasing requirements.

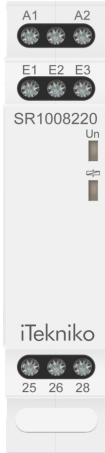




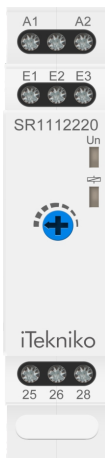
<b>SR1 Series</b> Floatless Level Switch	<b>C1</b>
<b>SR2 Series</b> Time Relay	<b>C2</b>
<b>SR3 Series</b> Light Activated Switch & Staircase Light Time Switch	<b>C7</b>
<b>SR4 Series</b> Call/Reset & Step/Monostable Relay	<b>C9</b>
<b>SR5 Series</b> Switching Power Supply	<b>C11</b>
<b>SR6 Series</b> Wi-Fi Intelligent Control Relay	<b>C12</b>
<b>SR7 Series</b> Voltage Protection Relay	<b>C13</b>
<b>SR8 Series</b> Current Monitoring Relay	<b>C16</b>
<b>SR9 Series</b> Safety Relay	<b>C17</b>

**Specification**

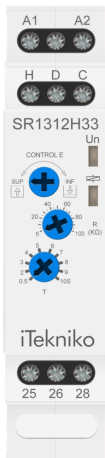
Model code	SR1008/1108	SR1012/1112	SR1024/1124
Output characteristics	SPDT		
Rated current	5A		
Rated voltage	220: 220V AC; D24: 24V DC; A24: 24V AC; H33: 24-240V AC/DC...		
Output voltage	8V	12V	24V
Application	Liquid with low intrinsic resistance, such as salt water, sewage and acid-base liquid medicine	Normal purified water and sewage	Liquid with high intrinsic resistance, such as distilled water



SR1008220

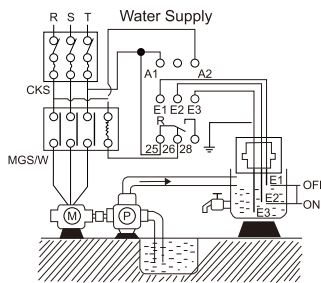


SR1112220



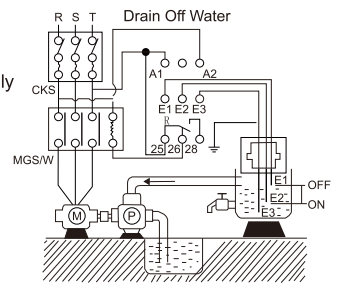
SR1312H33

**Wiring diagram**



**Water supply wiring diagram**

When water reaches E1, motor stops automatically and when water drains below E2, motor operates automatically. When motor operations, lamp is OFF.



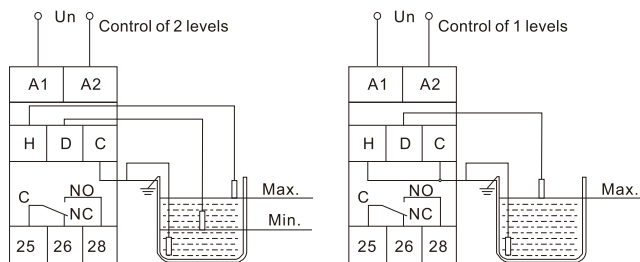
**Drainage wiring diagram**

When water reaches E1, motor starts automatically and when water drains below E2, motor stops automatically. When motor operations, lamp is ON.

**Specification**

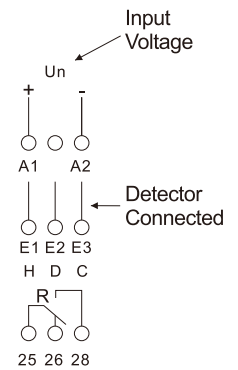
Model code	SR1312
Output characteristics	SPDT
Rated current	5A
Rated voltage	220: 220V AC; D24: 24V DC; A24: 24V AC; H33: 24-240V AC/DC...
Sensitivity	6K-100K
Delay time	0.5-10S

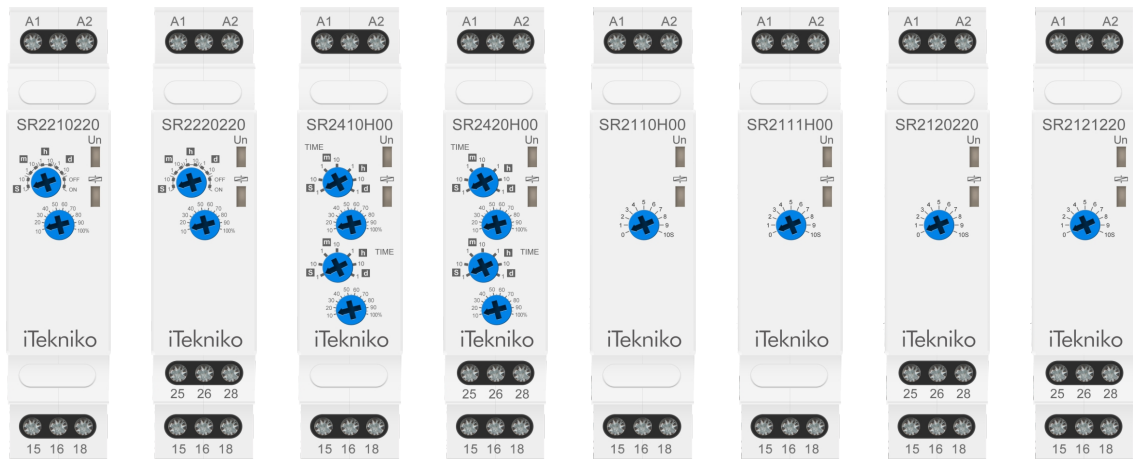
**Wiring diagram**



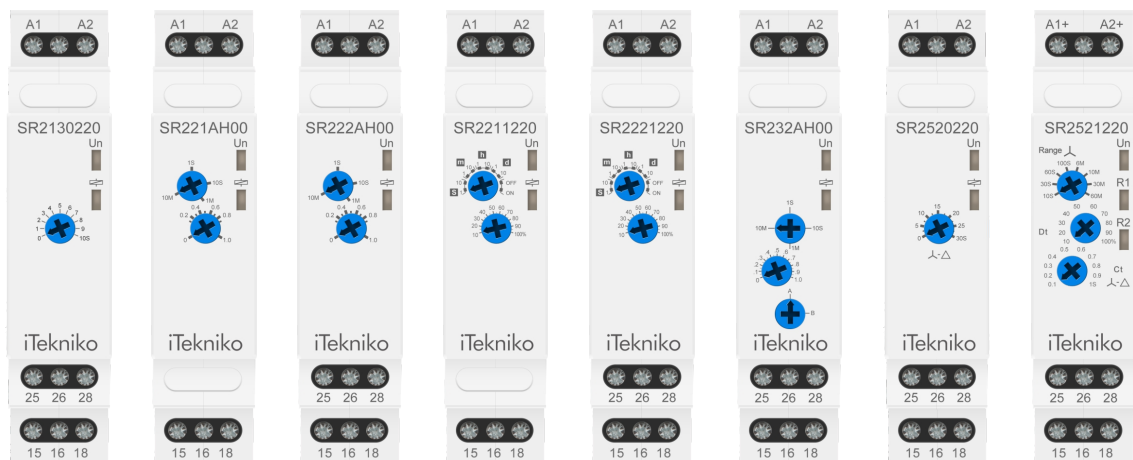
**Water supply:** When water reaches D, motor stops working; When water drains below D, the relay starts; When the time is up, motor starts working.

**Drainage:** When water reaches D, motor starts working; When water drains below D, the relay starts; When the time is up, motor stops working.



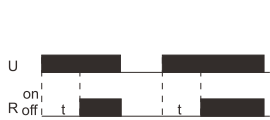


Model code	SR2210	SR2220	SR2410	SR2420	SR2110	SR2111	SR2120	SR2121
Output	Multi-period	Multi-period	Multi-period	Multi-period	On delay	Off delay	On delay	Off delay
Characteristics	SPDT	DPDT	circulation, SPDT	circulation, DPDT	SPDT	SPDT	DPDT	DPDT
Rated current	5A/16A							
Working Voltage	Single voltage: AC 12V/24V/110V/220V, DC 12V/24V...							
Time range	0.1S-10D				1S/3S/6S/10S/60S/3M/6M/10M/30M/60M/3H/6H/10H/30H/...			

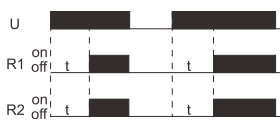


Model code	SR2130	SR221*	SR222*	SR2211	SR2221	SR232*	SR2520	SR2521
Output	1 inst, 1 delay	Multi-period	Multi-period	Multi-period	Multi-period	Multi-period, time-delay	1 inst, 1 delay	Multi-period
Characteristics	DPDT	time-delay, SPDT	time-delay, DPDT	time-delay, SPDT	time-delay, DPDT	A/B mode switchable	DPDT	time-delay, DPDT
Rated current	5A/16A						5A	
Working Voltage	Single voltage: AC 12V/24V/110V/220V, DC 12V/24V...						AC 110V	
Time range	Wide voltage: AC/DC 12-240V						AC 220V	
Time range	1S/3S/6S/10S /60S/.../3H/6H /10H/30H/...	*: A, B, C, D, E B: 3S/30S/3M/30M D: 1M/10M/1H/10H		A: 1S/10S/1M/10M C: 6S/60S/6M/60M B: 3M/30M/3H/30H		30S/60S Change time: 0.5S		1S-60M Change time: 0.1S-10S

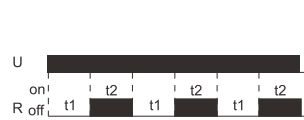
Timing Chart



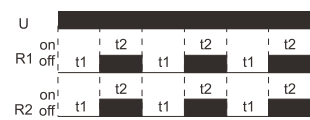
SPDT  
SR2210



DPDT  
SR2220



SPDT  
SR2410



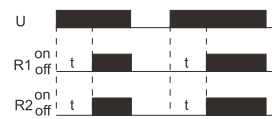
DPDT  
SR2420



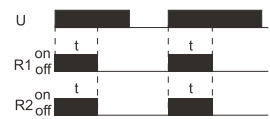
SPDT  
(On Delay)  
SR2110



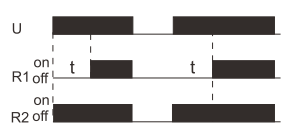
SPDT  
(Off Delay)  
SR2111



DPDT  
(On Delay)  
SR2120



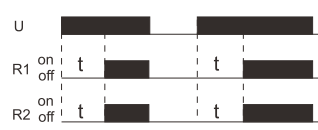
DPDT  
(Off Delay)  
SR2121



DPDT  
(One Inst. One Delay Output)  
SR2130



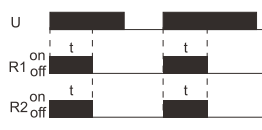
SPDT  
SR221\*



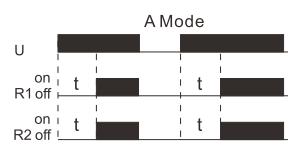
DPDT  
SR222\*



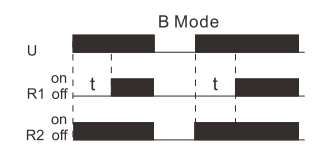
SPDT  
(Off Delay)  
SR2211



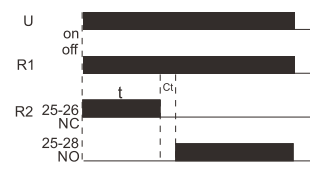
DPDT  
(Off Delay)  
SR2221



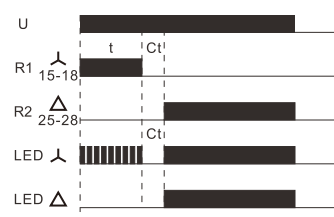
DPDT  
SR232\*



One group inst, One group delay, DPDT  
SR232\*



DPDT  
SR2520



DPDT  
SR2521



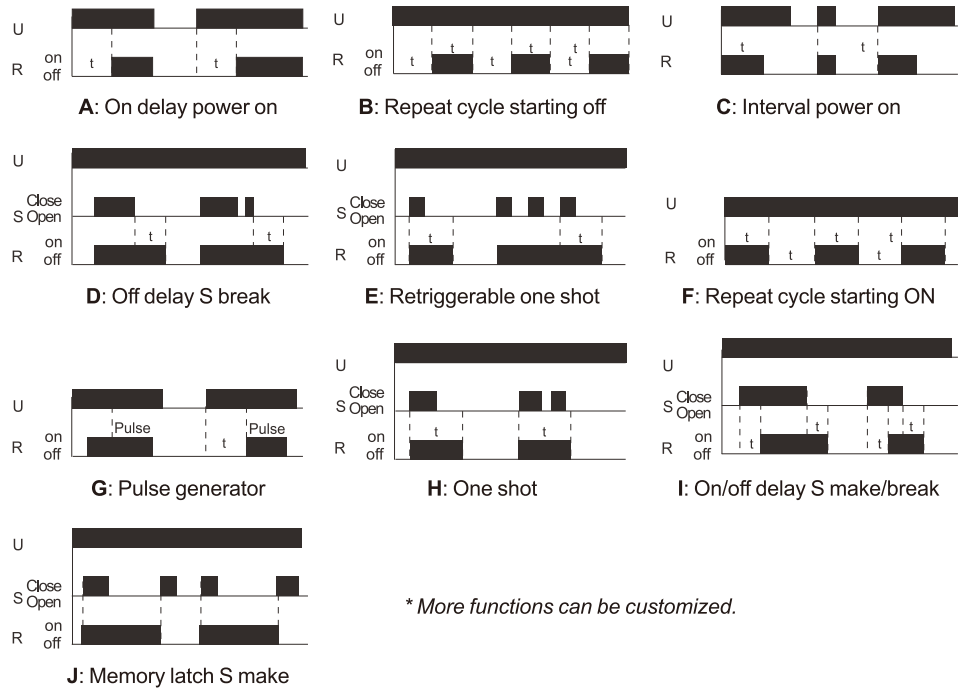
### Specification



SR231TH00

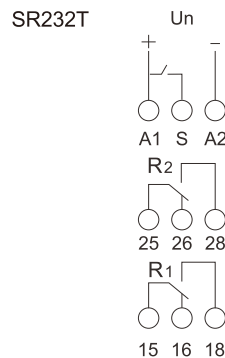
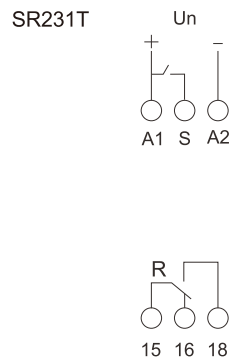
Model code	SR231TH00	SR232TH00
Rated voltage	AC/DC 12-240V	
Operating range	85%-110% of nominal	
Rated current	16A	
Output characteristics	SPDT	DPDT
Mini switching current	100mA	
Functions available	10	
Time scales	10	
Time range	0.1S-10D	
Reset time	150mS	
Min trigger pulse length	-50mS	

### Timing Chart

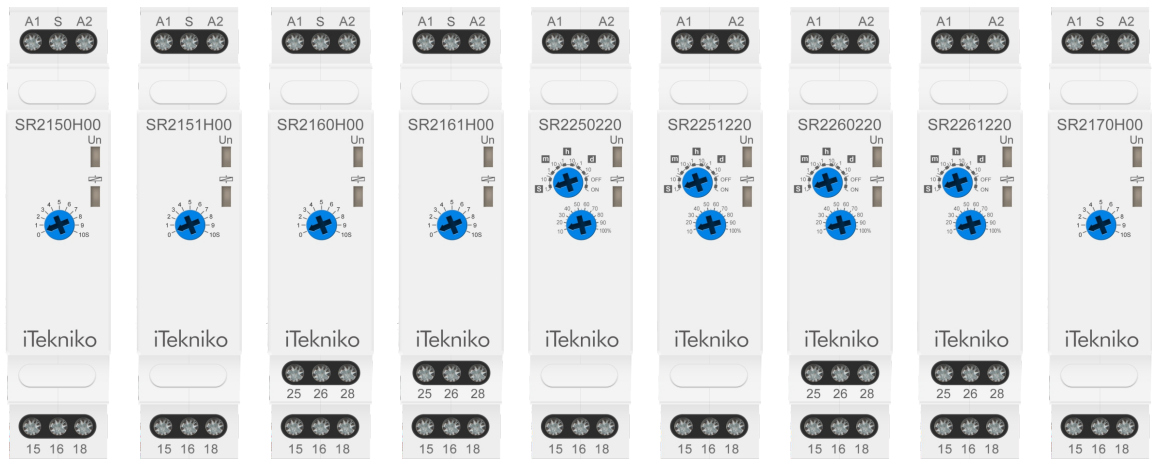


SR232TH00

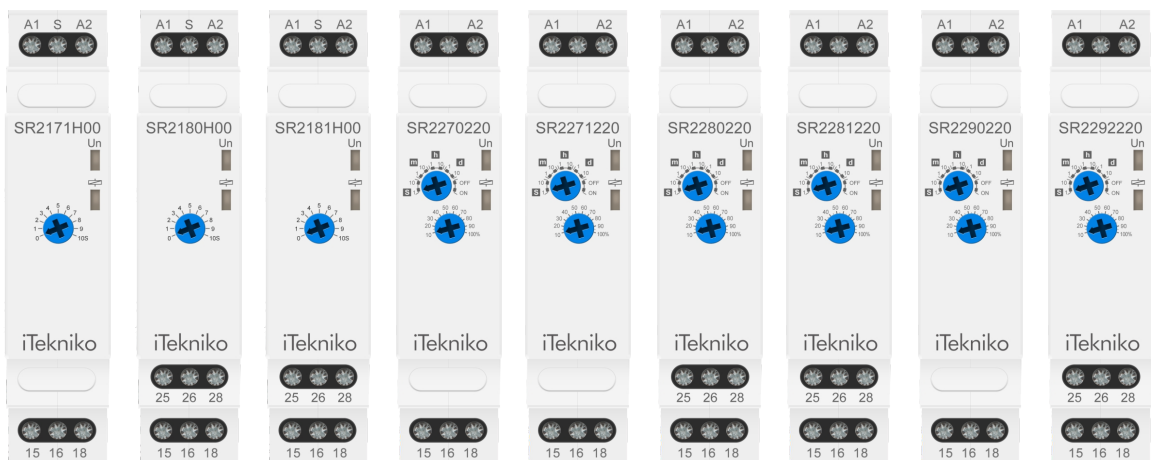
### Wiring Diagram





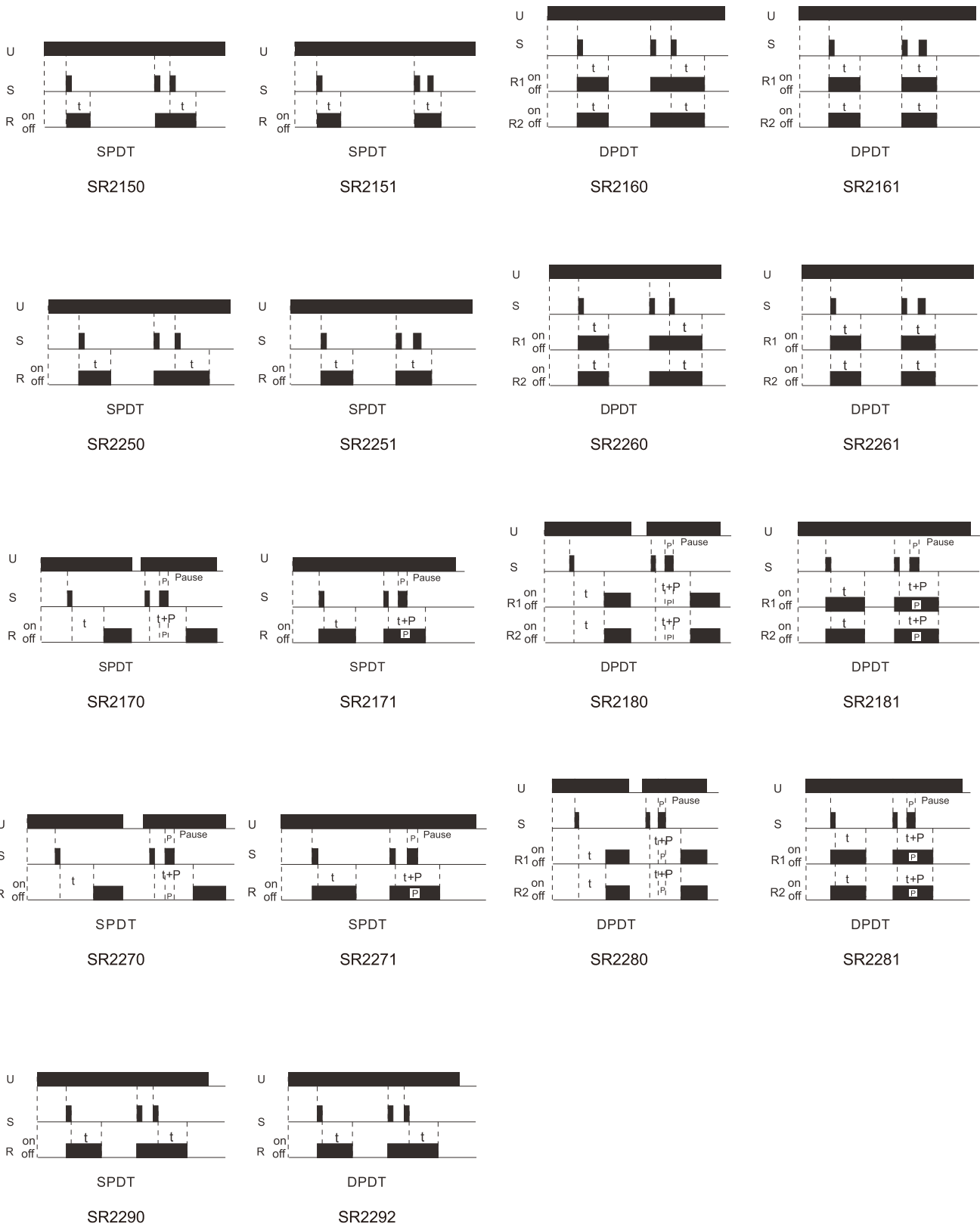


Model code	SR2150	SR2151	SR2160	SR2161	SR2250	SR2251	SR2260	SR2261	SR2170
Output	Single-period	Single-period	Single-period	Single-period	Multi-period	Multi-period	Multi-period	Multi-period	Single-period
Characteristics	SPDT	SPDT	DPDT	DPDT	SPDT	SPDT	DPDT	DPDT	SPDT
Rated current	5A/16A								
Working Voltage	Single voltage: AC 12V/24V/110V/220V, DC 12V/24V... Wide voltage: AC/DC 12-240V								
Time range	1S/3S/6S/10S/60S/3M/6M/.../10H/30H/...				0.1S-10D				1S/.../30H/...



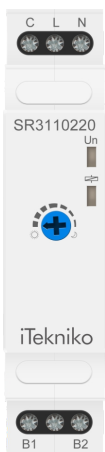
Model code	SR2171	SR2180	SR2181	SR2270	SR2271	SR2280	SR2281	SR2290	SR2292
Output	Single-period	Single-period	Single-period	Multi-period	Multi-period	Multi-period	Multi-period	Multi-period	Multi-period
Characteristics	SPDT	DPDT	DPDT	SPDT	SPDT	DPDT	DPDT	SPDT	DPDT
Rated current	5A/16A								
Working Voltage	Single voltage: AC 12V/24V/110V/220V, DC 12V/24V... Wide voltage: AC/DC 12-240V								
Time range	1S/3S/6S/10S/60S/3M/6M/.../10H/30H/...				0.1S-10D				

Timing Chart



### Description

SR3 series light activated switch is used to turn on or off electrical equipment according to the change of light intensity. The action threshold can be set according to the demand. When the ambient brightness decreases and drops below the selected threshold, the control contact is closed; When the ambient brightness increases and rises above the selected threshold, it opens. Suitable for installation on 35mm DIN rail in accordance with EN 60715 standard. Widely used in lighting or lighting control systems.



SR3110220



SR3111230

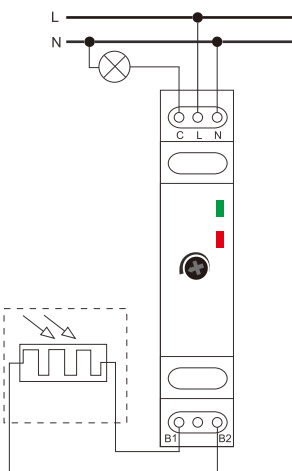


SR3120220

### Specification

Model code	SR3110	SR3111	SR3120
2300W	Incandescent lamp 230V		
2300W	Halogen lamp 230V		
2300VA	Fluorescent tube		
8x40W (4.7µF)	Parallel compensated fluorescent tube, max. 400W (42µF)		
6x58W (7µF)			
2x100W (18µF)			
12x7W, 8x11W, 4x20W	Compact fluorescent lamp (CFL), max. 90W		
1000VA	Non-corrected mercury vapor lamp		
400VA (42µF)	Parallel-corrected mercury vapor lamp		
1000VA	Non-corrected sodium vapor lamp		
400VA (42µF)	Parallel-corrected sodium vapor lamp		
20W	LED up to 2W		
55W	LED between 2W and 8W		
Output characteristics	SPDT		DPDT
Contact load output	16A/250V AC		
Working voltage	Single voltage: AC 110V/220V		

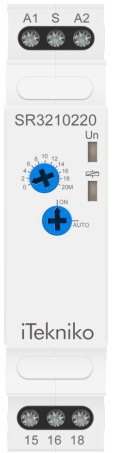
### Wiring diagram



Photosensitive sensor

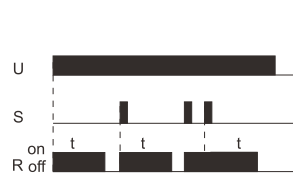
### Specification

Model code	SR3210	SR3220	SR3211	SR3221
Output characteristics	SPDT	DPDT	SPDT	DPDT
Rated current	5A/16A			
Working voltage	Single voltage: AC 110V/220V			
Time range	1S/2S/.../1M/2M/.../30H...		0.5-20M	

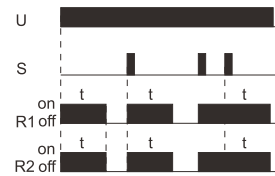


SR3210220

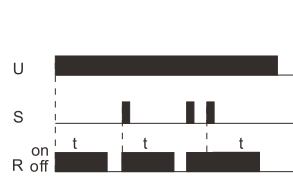
### Timing Chart



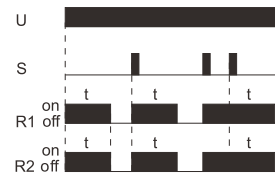
SR3210



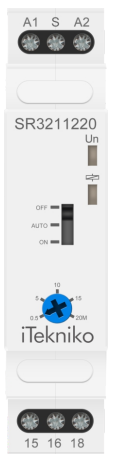
SR3220



SR3211

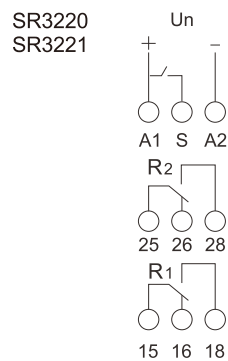
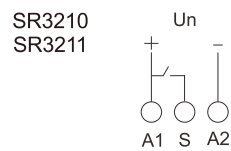


SR3221



SR3211220

### Wiring Diagram



### Specification

Model code	SR4210	SR4220	SR4221	SR4222	SR4223
Output characteristics	SPDT	DPDT	SPDT	DPDT	DPDT
Rated current	5A/16A				
Working voltage	Single voltage: AC 12V/24V/110V/220V, DC 12V/24V... Wide voltage: AC/DC 12-240V				



SR4210220 SR4220220

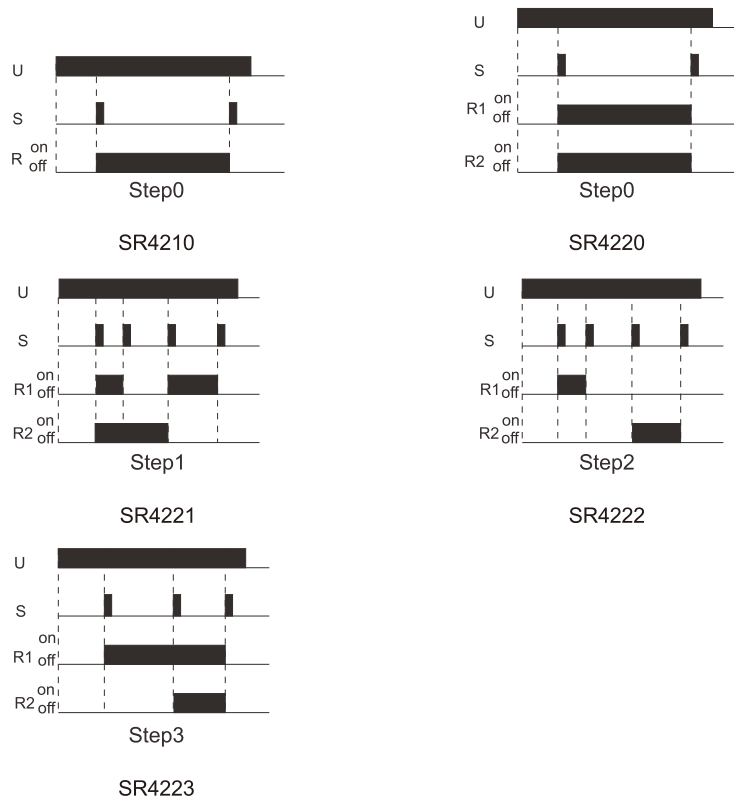


SR4221H00 SR4222H00

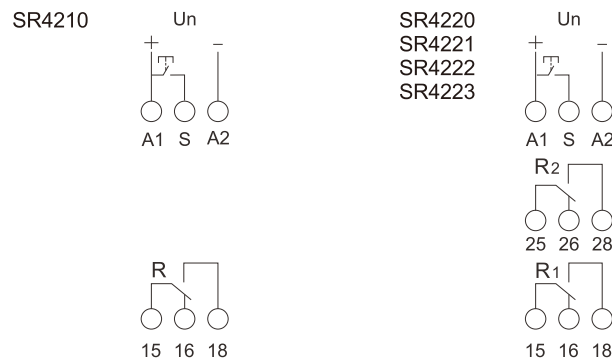


SR4223220

### Timing Chart



### Wiring Diagram



## Specification

Model code	SR4010	SR4020	SR4110
Output characteristics	SPDT	DPDT	SPDT
Rated current	5A/16A		
Working voltage	Single voltage: AC 12V/24V/110V/220V, DC 12V/24V... Wide voltage: AC/DC 12-240V		



SR4010H00

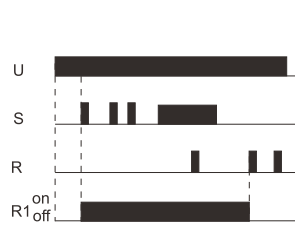


SR4020H00

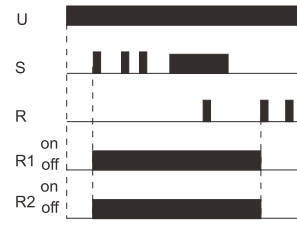


SR4110220

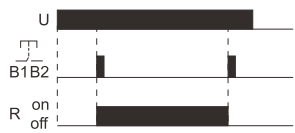
## Timing Chart



SR4010



SR4020



Step

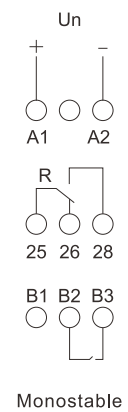
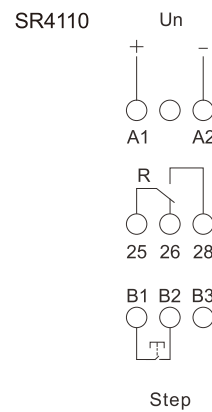
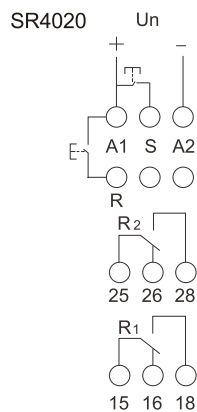
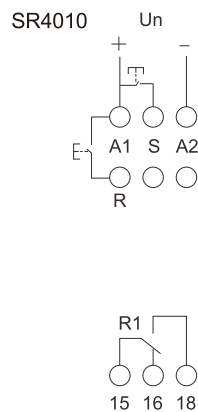
SR4110



Monostable

SR4110

## Wiring Diagram

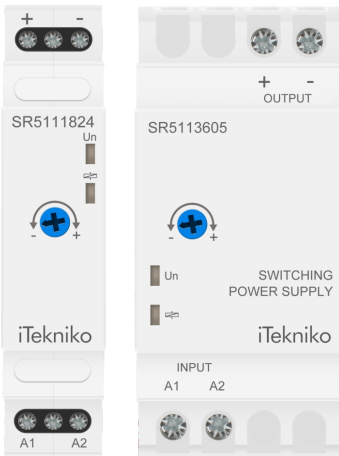


SINOASIAN

### Specification



SR5111805 SR5111812 SR5111815



SR5111824 SR5113605



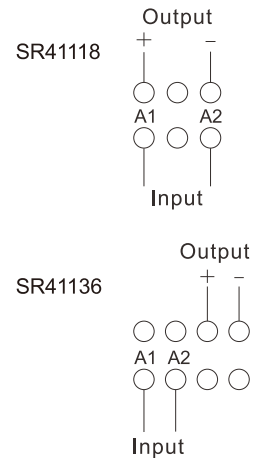
SR5111848 SR5113612 SR5113615 SR5113624 SR5113648

Model code	SR5111805	SR5111812	SR5111815	SR5111824	SR5111848	SR5113605	SR5113612	SR5113615	SR5113624	SR5113648
<b>Output</b>										
DC voltage	5V	12V	15V	24V	48V	5V	12V	15V	24V	48V
Rated current	2.4A	1.25A	1A	0.63A	0.32A	3A	2A	2A	1.5A	0.75A
Rated power	12W	15W	15W	15.2W	15.4W	15W	24W	30W	36W	36W
Max ripple & noise	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Voltage range	4.5-5.5V	10.8-13.8V	13.5-18V	21.6-29V	43.2-55.2V	4.5-5.5V	10.8-13.8V	13.5-18V	21.6-29V	43.2-55.2V
Voltage accuracy	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
Linear adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
Load adjustment rate	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
Start & rise time	2000mS, 80mS/ 230V AC; 2000mS, 80mS/115V AC (Under full load)									
Hold time (Typ.)	300mS/230V AC; 12mS/115V AC (Under full load)									

<b>Input</b>										
Voltage range	85-264V AC (277V AC available); 120-370V DC (390V DC available)									
Frequency range	47-63Hz									
Efficiency (Typ.)	80%	85%	85.5%	86%	87%	82%	88%	89%	89%	90%
Alternating current (Typ.)	0.25A/230V AC; 0.5A/115V AC									
Surge current (Typ.)	Cold start 45A/230V AC; 25A/115V AC									

<b>Protection</b>										
Overload	110%-145% of rated output power									
	When the output voltage <50%, it is in hiccup mode, and it can automatically recover after the abnormal load condition is removed.									
	When the output voltage is 50%-100%, it is in constant current mode, and it can automatically recover after the abnormal load condition is removed.									
Over-voltage	5.75-6.75V	14.2-16.2V	18.8-22.5V	30-36V	56.5-64.8V	5.75-7.5V	15-18V	18.8-22.5V	30-36V	56.5-64.8V
	Protection mode: Turn off the output, clamp by the Zener diode									

### Wiring Diagram



SINOASIAN

## Description

**The product cooperates with the corresponding APP to realize the following functions:**

- Support Smart Config for fast networking
- Support multiple control types: Switch, timing start and stop, cycle control, etc.
- Support WLAN local control and remote control
- Access to mainstream voice assistants
- APP supports Android and iOS systems

### Application

- Home control system
- Building automation
- Industrial control system
- Industrial automation
- Mechanical and electrical equipment



SR6010H22

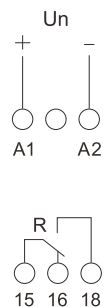


SR6011H22

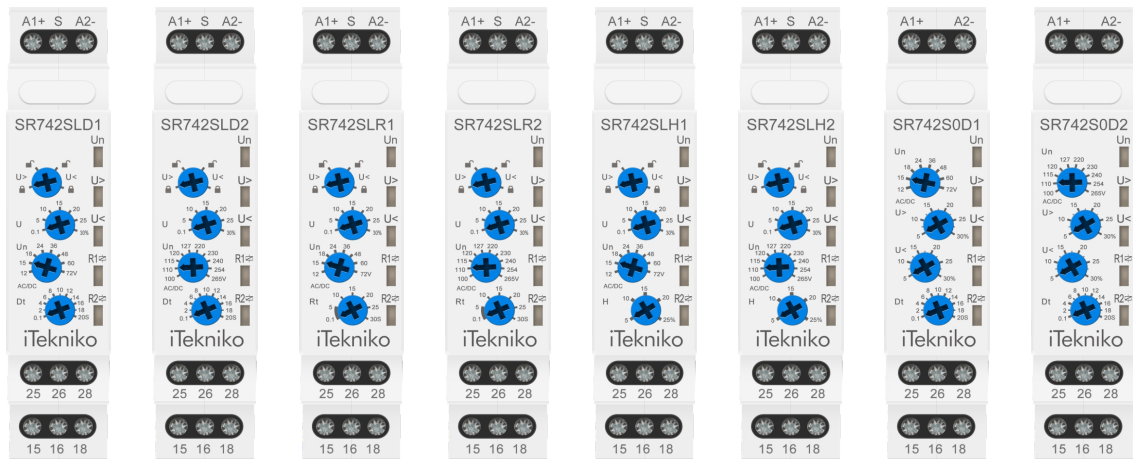
## Specification

Model code	SR6010H22	SR6011H22
<b>Wi-Fi characteristics</b>		
Standard	IEEE 802.11b/g/n	
Working mode	STA/AP/STA+AP	
Wireless security support	WPA/WPA2	
Encryption type	WEP/TKIP/AES	
<b>Wi-Fi RF parameters (Typical values)</b>		
Working frequency	IEEE 802.11b/g/n	
Transmit power	802.11b (CCK): 19+/-1dBm 802.11g (OFDM): 14+/-1dBm 802.11n (HT20@MCS7): 13+/-1dBm	
Transmission distance	General indoor: 45M; Outdoor: 150M (Depending on the environment)	
Standby power consumption	Less than 0.5W	
<b>Control method/Working mode</b>		
APP local control/APP remote control/Alexa, Google Home, .../SCCP control		

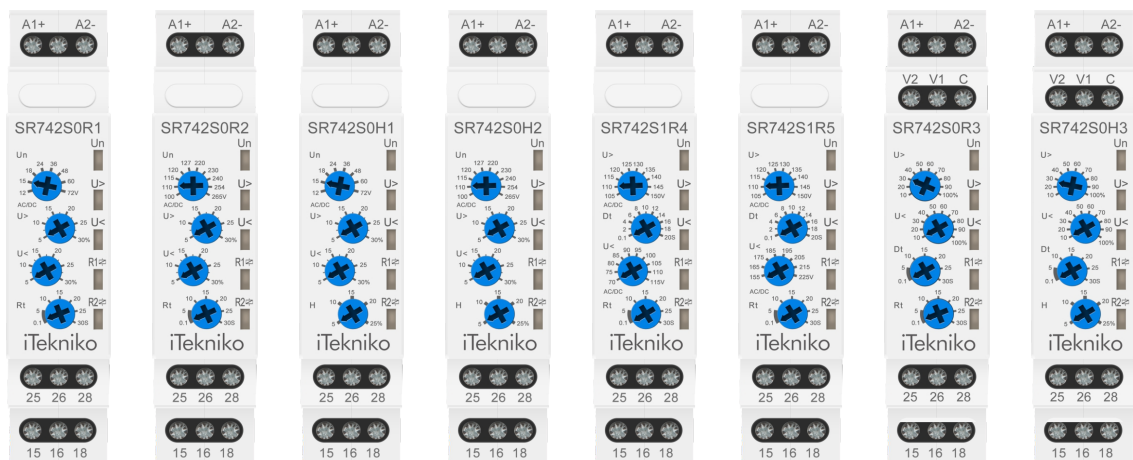
## Wiring Diagram



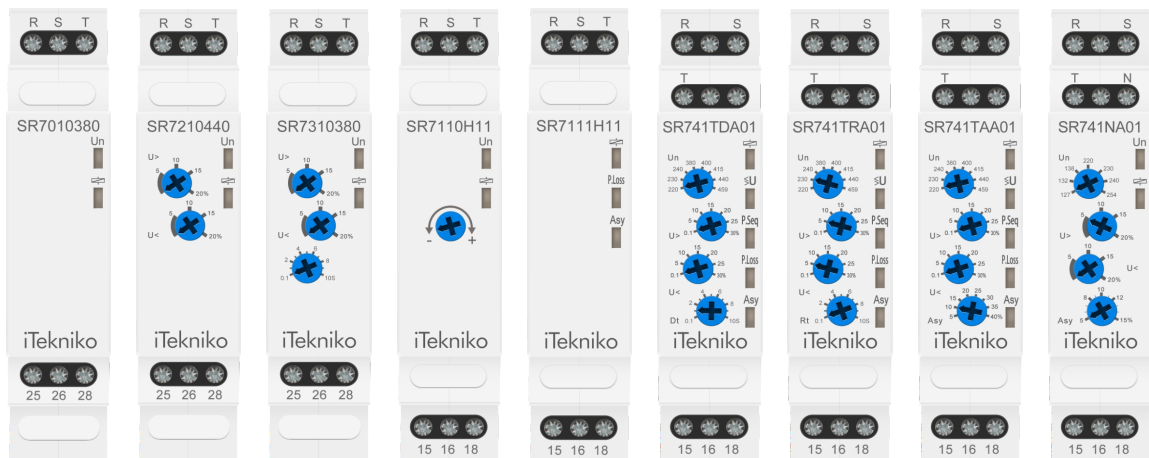




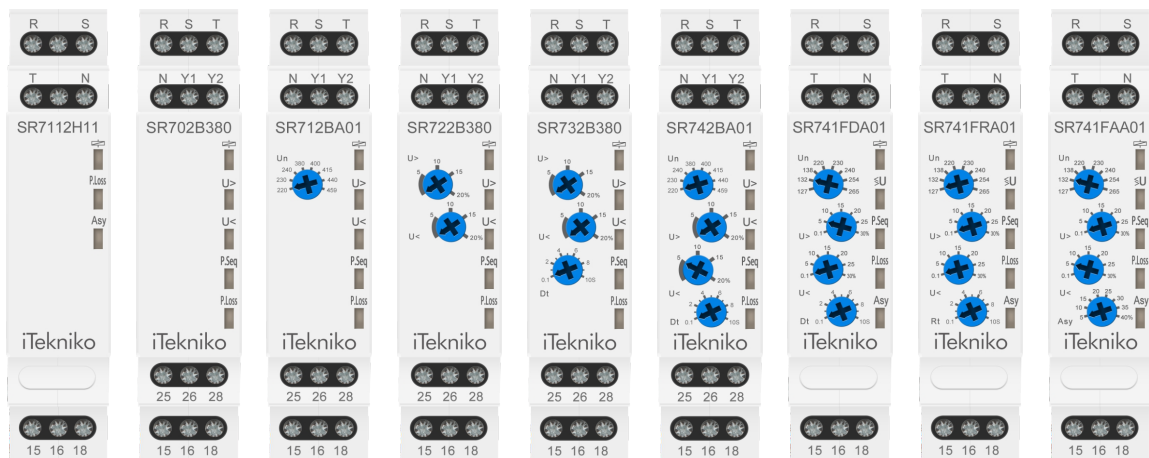
Model code	SR742SLD1	SR742SLD2	SR742SLR1	SR742SLR2	SR742SLH1	SR742SLH2	SR742S0D1	SR742S0D2
Working voltage	12-72V AC/DC	100-265V AC/DC	12-72V AC/DC	100-265V AC/DC	12-72V AC/DC	100-265V AC/DC	12-72V AC/DC	100-265V AC/DC
Monitor voltage	±5-30%							
Action delay	≤20S		4S			≤20S		
Reset delay	0.1S		≤30S			0.1S		
Hysteresis	5%				5%-25%		5%	
Output characteristics	-1 Synchronous ON; -2 Synchronous OFF; -3 Asynchronous ON; -4 Asynchronous OFF							



Model code	SR742S0R1	SR742S0R2	SR742S0H1	SR742S0H2	SR742S1R4	SR742S1R5	SR742S0R3	SR742S0H3
Working voltage	12-72V AC/DC	100-265V AC/DC	12-72V AC/DC	100-265V AC/DC	70-150V AC/DC	155-315V AC/DC	100-240V AC/DC	
Monitor voltage	±5-30%				70-150V AC/DC	155-315V AC/DC	30V-300V & 60V-600V AC/DC	
Action delay	4S				≤20S		≤30S	
Reset delay	≤30S		0.1S		≤30S			0.1S
Hysteresis	5%		5%-25%		2V	5V	5%	5%-25%
Output characteristics	-1 Synchronous ON; -2 Synchronous OFF; -3 Asynchronous ON; -4 Asynchronous OFF							



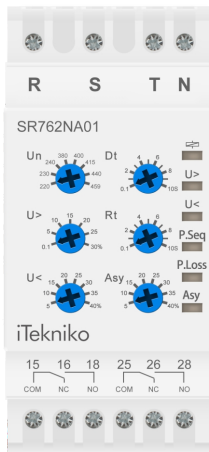
Model code	SR7010	SR7210	SR7310	SR7110H11	SR7111H11	SR741TDA01	SR741TRA01	SR741TAA01	SR741NA01
Phase/Wire	3P/3W								3P/4W
Over-voltage	15%	0-20%				0-30%		0-20%	
Under-voltage	15%	0-20%				0-30%		0-20%	
Action time	3S		0.1S-10S	3S		0.1S-10S	2S		3S
Reset time	0.2S						0.1S-10S	0.2S	
Working voltage	110: 110VAC; 220: 220VAC; 380: 380VAC; 415: 415VAC; 440: 440VAC; H11: 208-480VAC; A01: L/N 127-254VAC or L/L 220-259VAC								
Other protections	Phase sequence & phase failure			Phase failure	Phase sequence & phase failure				
Asymmetry						15%		5%-40%	5%-15%



Model code	SR7112H11	SR702B	SR712BA01	SR722B	SR732B	SR742BA01	SR741FDA01	SR741FRA01	SR741FAA01
Phase/Wire	3P/4W	3P/3W & 3P/4W				3P/4W			
Over-voltage		15%		0-20%		0-30%		0-20%	
Under-voltage		15%		0-20%		0-30%		0-20%	
Action time	3S				0.1S-10S			2S	
Reset time	0.2S							0.1S-10S	2S
Working voltage	110: 110VAC; 220: 220VAC; 380: 380VAC; 415: 415VAC; 440: 440VAC; H11: 208-480VAC; A01: L/N 127-254VAC or L/L 220-259VAC								
Other protections	Phase sequence & phase failure								
Asymmetry		Yes				15%		5%-40%	

### Specification

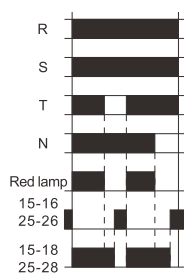
Model code	SR762NA01	SR7620A01
Phase/Wire	3P/4W	3P/3W
Rated voltage	127V-265V (L/N) 50/60Hz	220V-459V (L/L) 50/60Hz
Relay response time	0.1S-10S	
Contact rating	8A/250V AC DPDT	
Reset time	0.2S	
Over-voltage	0-30%	
Under-voltage	0-30%	
Action time	0.1-10S	
Asymmetry	5-40%	
Other protections	Phase sequence & phase failure	



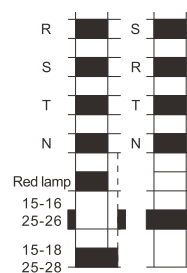
SR762NA01

### Timing Chart

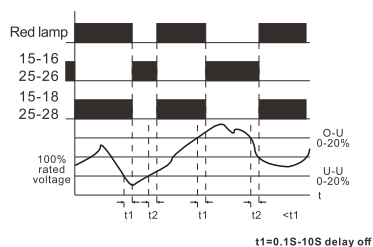
A. Phase failure



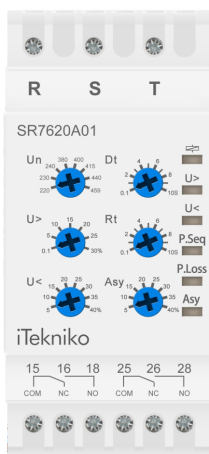
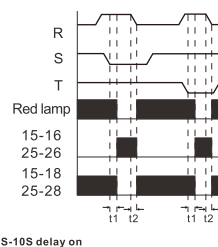
B. Phase sequence



C. Over & under voltage

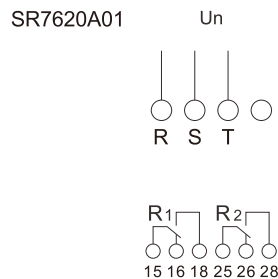
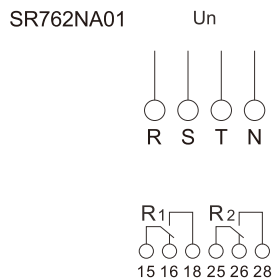


D. Asymmetric voltage

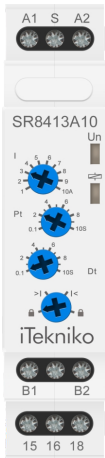


SR7620A01

### Wiring diagram



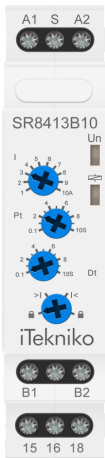
### Specification



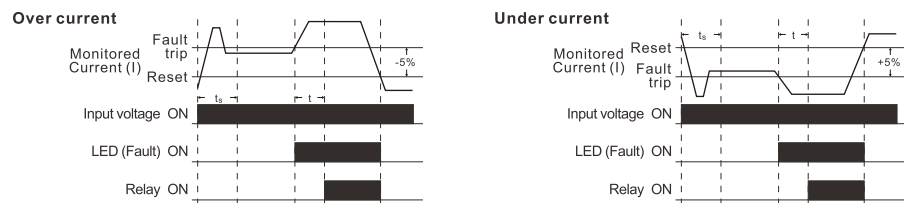
SR8413A10

Model code	SR8413A10	SR8413B10	SR8413C10
Output characteristics	SPDT		
Rated current	1A-10A		
Rated voltage	AC/DC 12-240V or single voltage		
Action delay	0.1S-10S		
Reset delay	60S max or manual		
Action chart			

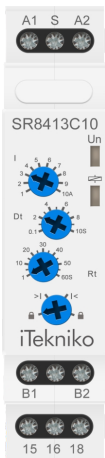
### Timing Chart



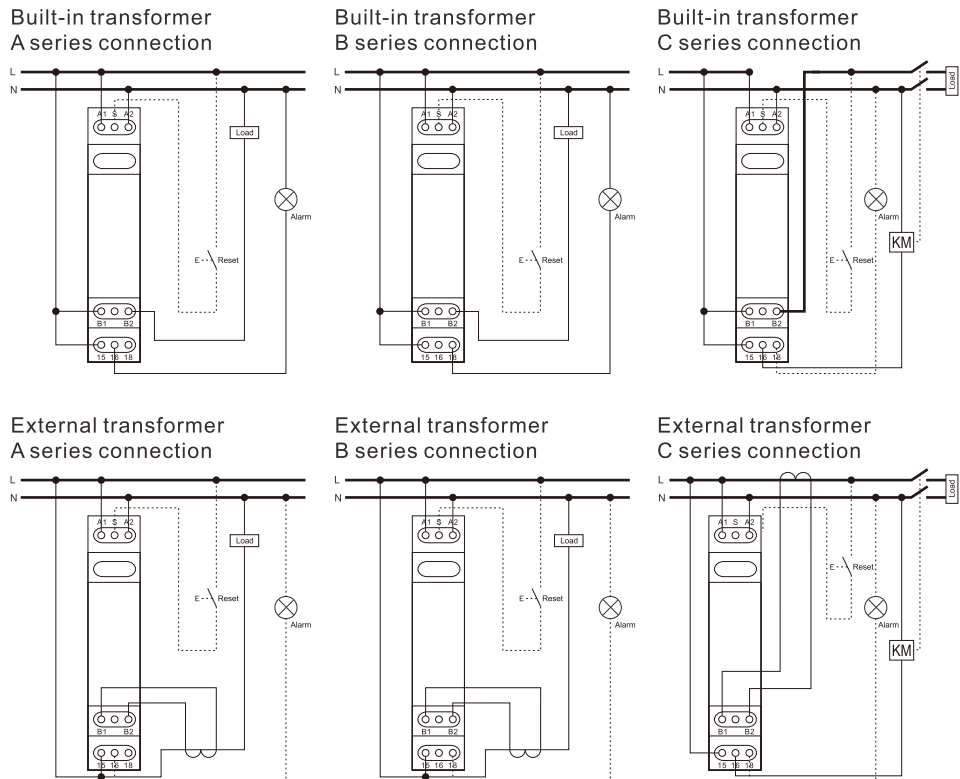
SR8413B10



### Wiring diagram

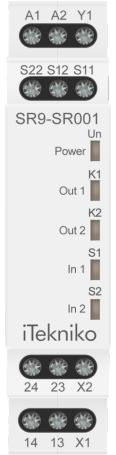


SR8413C10



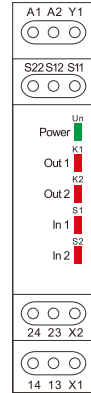
### Description

SR9 series safety relay is a combination of multiple relays and logic circuits of a module relay, through a number of high-performance circuits of strict design, monitoring and complementing each other's possible defects in the fault state, so as to achieve the correct and low error function, reduce the error and failure value of the product, and improve the safety and reliability factors of product operation.



SR9-SR001

### Description of terminals

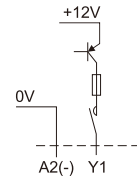


- Un:** Power LED
- K1:** Output 1 LED
- K2:** Output 2 LED
- S1:** Input 1 LED
- S2:** Input 2 LED
- A1:** +24VDC/24VAC
- A2:** 0VDC/0VAC
- S11-S12:** Input channel 1
- S11-S22:** Input channel 2
- X1, X2:** Feedback circuitry & external reset
- Y1:** If K1 or K2 disconnects, Y1 outputs high level (+12VDC)
- 13-14:** 1st circuitry 5A NO output
- 23-24:** 2nd circuitry 5A NO output

### Signal output Y1

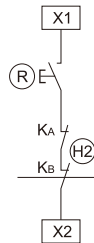
States of K1, K2 are indicated by Y1

K1	K2	Y1
ON	ON	0V
ON	OFF	+12VDC
OFF	ON	+12VDC
OFF	OFF	+12VDC

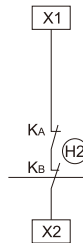


### Reset

#### Manual reset



#### Automatic reset



(H2) Feedback circuitry

### Functions

- Input 1, input 2 are normal, the two relays are closed, and the K1, K2 indicator lights up.
- Any input is disconnected, all relays are disconnected, and K1 and K2 indicators are off.
- The two relays are synchronous outputs and cannot work separately.
- Input 1 is normal, S1 is always on; Input 2 is normal, S2 always on.
- When input 1 is disconnected, the S1 indicator blinks every 0.5S.
- When input 2 is disconnected, the S2 indicator blinks every 0.5S.
- If wanting the relay to keep on, the two inputs must be normal, and then press the reset button for 3S, and then the two relays are on again.
- Internally monitoring the condition of the two relay contacts, if any relay contact is adhered, both relays are disconnected, and the relay indicator where the contact adhesion occurs flashes every 2S, while the Un indicator blinks every 0.5S.

Memo





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