CSQ®

Timer/Monitoring Relay

Product Selection Manual

SIQI TECHNOLOGY CO.,LTD.

INTRODUCTION

Siqi Technology Co., Ltd. Formerly Zhejiang siqi Electric Co., Ltd. was established in April 2001, located in Wei3rd Road, Economic Development Zone of Yueqing. It has been focusing on the electrical industry and low-voltage electrical products for safe power supply. It is a non-regional national high-tech enterprise. The company has a product research and development and design center, a mold manufacturing center, a parts stamping manufacturing workshop, and a laboratory of the Yueqing Enterprise Technology Center.

CSQ mainly focus on molded case circuit breakers,miniature circuit breakers, earth leakage circuit breakers,air circuit breakers, miniature circuit breakers,relays, automatic transfer switches, isolation switches, surge protectors, power meters, control and protection switches electrical appliances, etc. It has established a good reputation in the industry and has been affirmed and trusted by customers over the years. All electrical products have obtained the national compulsory certification product conformity self-declaration and CQC voluntary certification and some CB certified products. It has more than 50 patents and 3 invention patents in appearance design and utility model, and has obtained a number of software copyrights, forming a unique csq product style, and has passed ISO9001 quality management system certification, ISO14000 environmental management system, 18000 occupational health Safety management system certification.

After 20 years of development, the company has been implementing the corporate philosophy of "technology, innovation, and dedication", continuously investing in new products and technologies, continuously improving the technological content of products, updating production equipment, and continuously improving high-performance testing equipment. , forge ahead, take the team building of the enterprise as the source of development, standardize the management of the enterprise, and enhance the competitiveness of the enterprise.


CSQ

CONTENT

Timer Relay Series

Model description

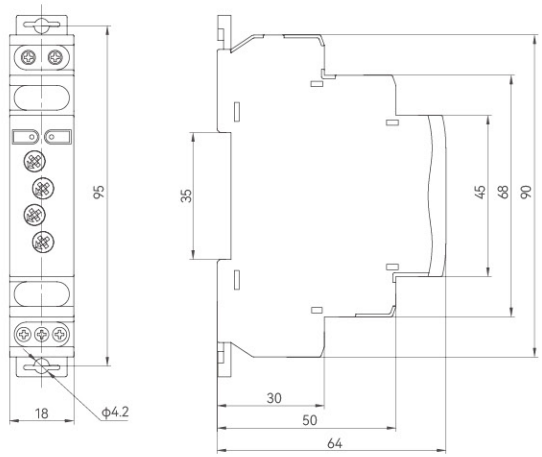
HYC RT 8 □ - □ □

- Auxiliary code, function description
  1: One set of delay contacts 2: Two sets of delay contacts
  3: One set of delay contacts plus one set of instantaneous contacts
- Function code and description
  A: Power-on delay B: Delay disconnection
  L: Corridor delay switch J: Cycle delay
  2TA: Double power-on delay 2TB: Double delay disconnect
  Y: Star delta starter M: Multifunction
- Auxiliary code
  None: Basic type, Rotary adjustment
  S: Digital display type, button adjustment
- Design code
- Timer Relay
- Enterprise code

Features

- The series can support AC/DC24-240V power supply
- There are two kinds of products to choose : Rotary type & digital display type
- Ultra-small size, 18mm width, 35mm standard rail installation
- Using imported chips, good stability
- External crystal oscillator, unified product time performance

Dimensions



The difference between Rotary type and digital display type timer relay

- The Rotary type time setting is intuitive and convenient, but the mechanical error is large
- Digital display requires button operation, high precision, you can directly watch the set time and countdown

Application selection table

Model	Setting type	Function (delay range 0.1s-10d adjustable)	(AC/DC24-240V power supply)	(AC220V power supply)
HYCRT8-A1	Rotary type	Delay closing	contact output (AC1/16A)	contact output (AC1/5A)
HYCRT8-A2		Delay closing (2 sets)		
HYCRT8-A3		Delay closing (1 set of delay and 1 set of instant action)		
HYCRT8-B1		Delay disconnect		
HYCRT8-B2		Delay disconnect (2 sets)		
HYCRT8-B3		Delay disconnect (1 set of delay and 1 set of instant action)		
HYCRT8-M1		Multifunction (10 kinds of functions can be adjusted)		
HYCRT8-M2		Multifunction (2 sets of outputs)		
HYCRT8-M3		Multifunction (1 set of delay and 1 set of instant action)		
HYCRT8-J1		Loop delay		
HYCRT8-J2		Loop delay (2 sets)		
HYCRT8-J3		Loop delay (1 set of delay and 1 set of instant action)		
HYCRT8-2TA		Double delay closing (2 sets of time)		
HYCRT8-2TB		Double delay disconnect (2 sets of time)		
HYCRT8-Y1		Star delta(AC/DC24-240V)		
HYCRT8-Y2		Star delta(AC/DC100-380V)		
HYCRT8S-M1	Digital display type	Digital multifunction (10 functions)		
HYCRT8S-M2		Digital multifunction (2 sets)		
HYCRT8S-M3		Digital multifunction (1 set of delay and 1 set of instant action)		
HYCRT8S-J1		Digital display loop delay		
HYCRT8S-J2		Digital display loop delay (2 sets)		
HYCRT8S-J3		Digital display loop delay (1 set of delay and 1 set of instant action)		
HYCRT8S-2T		Digital display double-delay multifunction (2 sets of 10 functions at different times can be adjusted)		
HYCRT8S-Y1		Digital star delta(AC/DC24-240V)		
HYCRT8S-Y2		Digital star delta(AC/DC100-380V)		

Note: The time relay series can be customized upon request for special time and function.

Single Function Timer Relay

Product description

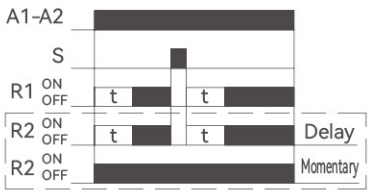
- Single function timer relay is a settable time control unit. Combined with other electrical equipment, it can set delay closing or delay opening contacts according to the required time, so that the working time of terminal equipment can be controlled. Mainly used in industrial equipment, lighting, manufacturing and other occasions requiring time control.

Technical parameter

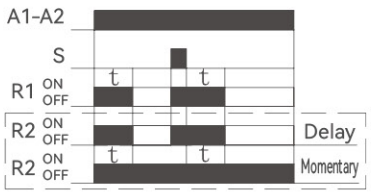
Model	HYCRT8-A1/B1	HYCRT8-A2/B2	HYCRT8-A3/B3
Features	Type A: Power-on delay Type B: Delay disconnect		
Output configuration	One set of delay	Two sets of delay	One set of delay plus one set of instantaneous
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V voltage fluctuation ±10%		
	AC220V(50-60Hz) voltage fluctuation ±20%		
Indicator light	Work indication: Green LED0.5S flashing, relay indication: R1 red LED real-time indication		
Delay setting method	Rotary adjustment		
Delay range	0.1S-10d (0.1 seconds-10 days), adjustable in multiple gears		
Delay accuracy	Basic error <1%, mechanical error <10%, repeat error <0.5%, Temperature fluctuation error <0.05%/℃ , voltage jump error <1%		
Reset time	<500ms		
Output contact capacity	AC/DC24-240V Power supply	10/16A(AC1-Resistive)	
	AC220V Power supply	3/5A(AC1-Resistive)	
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)		
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas		
Installation method	35mm Din rail type		

Functional diagram

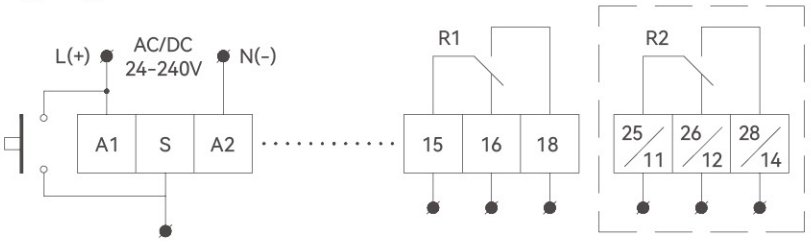
Type A: Power-on delay



Type B: Delay off



Wiring diagram



25-26-28 is the label of the second group of delay contacts
11-12-14 is the label of the second group of momentary contacts

Multifunctional Timer Relay

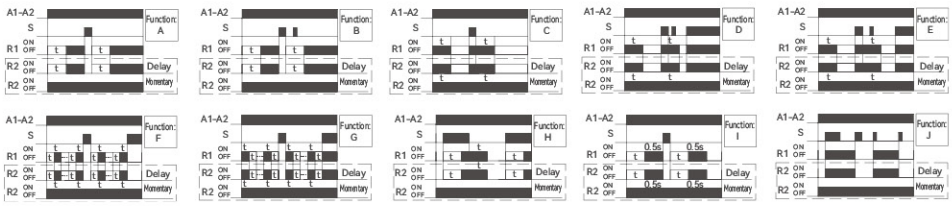
Product description

- The multifunctional timer relay is a settable time control unit. Combined with other electrical equipment, it can set the delay closing or delay opening contacts according to the required time (10 kinds of functions can be selected independently), so that the working time of the terminal equipment can be adjusted. Controllable. Mainly used in industrial equipment, lighting, manufacturing and other occasions requiring time control.

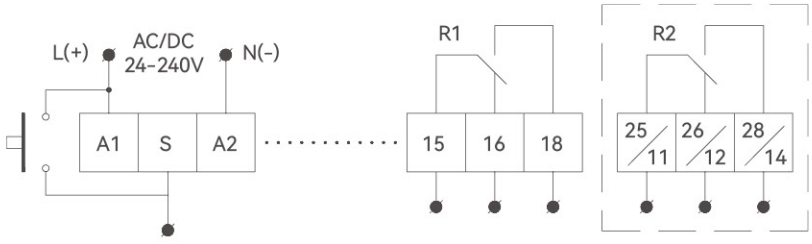
Technical parameter

Model(Rotary type)	HYCRT8-M1	HYCRT8-M2	HYCRT8-M3
Model (Digital display type)	HYCRT8S-M1	HYCRT8S-M2	HYCRT8S-M3
Output configuration	One set of delay	Two sets of delay	One set of delay plus one set of instantaneous
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V voltage fluctuation ±10%		
	AC220V(50-60Hz) voltage fluctuation ±20%		
Indicator light	Work indication: Green LED0.5S flashing, relay indication: R red LED real-time indication		
Delay setting method	Rotary type(Rotary adjustment) Digital display type (digital display, button adjustment)		
Delay range(Rotary type)	0.1S-10d (0.1 seconds-10 days), adjustable in multiple gears		
Delay range (Digital display type)	0.1S-99H (0.1 seconds-99 hours), button adjustable		
Delay accuracy (Rotary type)	Basic error <1%, mechanical error <10%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%		
Delay accuracy (Digital display type)	Basic error <1%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%		
Reset time	<500ms		
Output contact capacity	AC/DC24-240V Power supply	10/16A(AC1-Resistive)	
	AC220V Power supply	3/5A(AC1-Resistive)	
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)		
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas		
Installation method	35mm Din rail type		

Functional diagram



Wiring diagram



25-26-28 is the label of the second group of delay contacts
11-12-14 is the label of the second group of momentary contacts

Double Delay Timer Relay

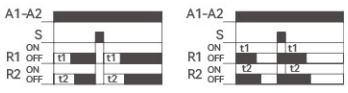
Product description

- The double delay timer relay is a settable time control unit. Combined with other electrical equipment, it can set delay closing or delay opening contacts according to the required time, so that the working time of the terminal equipment can be controlled. Group on-off delay time, separate control loop, make the control equipment run off-peak. Mainly used in industrial equipment, lighting, manufacturing and other occasions requiring time control.

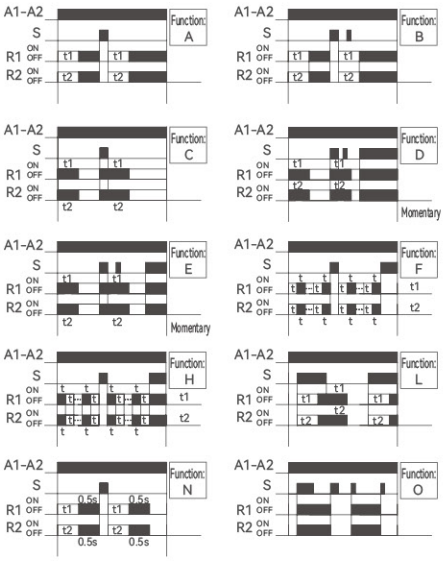
Technical parameter

Model(Rotary type)	HYCRT8-2TA	HYCRT8-2TB
Model (Digital display type)	HYCRT8S-2T(10 kinds of functions can be set independently)	
Features	Power-on delay	Delay disconnect
Output configuration	Two sets of delays: t1 delay control R1, t2 delay control R2	
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V voltage fluctuation ±10%	
	AC220V(50-60Hz) voltage fluctuation ±20%	
Indicator light (Rotary type)	The red LED indicates the status of R1 in real time, the green LED is always on when R2 is closed, and flashes for 0.5S when R2 is disconnected to indicate that it is working in the running mode	
Indicator light (Digital display type)	Work indication: green LED0.5S flashing,relay indication: R1, R2 red LED real-time indication	
Delay setting method	Rotary type(Rotary adjustment) Digital display type (digital display, button adjustment)	
Delay range(Rotary type)	0.1S-10d (0.1 seconds-10 days), adjustable in multiple gears	
Delay range (Digital display type)	0.1S-99H (0.1 seconds-99 hours), button adjustable	
Delay accuracy (Rotary type)	Basic error <1%, mechanical error <10%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%	
Delay accuracy (Digital display type)	Basic error <1%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%	
Reset time	<500ms	
Output contact capacity	AC/DC24-240V Power supply	10/16A(AC1-Resistive)
	AC220V Power supply	3/5A(AC1-Resistive)
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)	
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas	
Installation method	35mm Din rail type	

Functional diagram

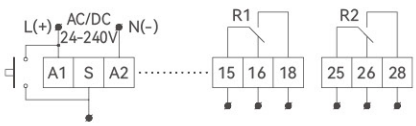


(Rotary type)



(Digital display type)

Wiring diagram



Cycle Delay Timer Relay

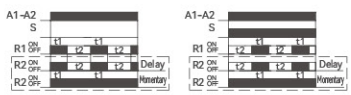
Product description

- The cycle delay timer relay is a settable time control unit. Combined with other electrical equipment, according to the required time, the delay closing or delay opening contacts can be set, so that the working time of the terminal equipment can be controlled. It is mainly used in occasions requiring cyclic control, such as periodic power on and off of lighting and electrical equipment.

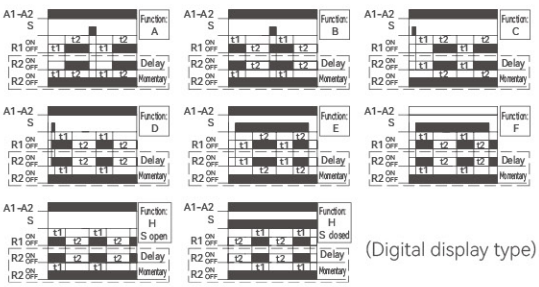
Technical parameter

Model(Rotary type)	HYCRT8-J1	HYCRT8-J2	HYCRT8-J3
Model (Digital display type)	HYCRT8S-J1	HYCRT8S-J2	HYCRT8S-J3
Output configuration	One set of delay	Two sets of delay	One set of delay plus one set of instantaneous
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V voltage fluctuation ±10%		
	AC220V(50-60Hz) voltage fluctuation ±20%		
Indicator light	Work indication: Green LED0.5S flashing, relay indication: R1 red LED real-time indication		
Delay setting method	Rotary type(Rotary adjustment) Digital display type (digital display, button adjustment)		
Delay range(Rotary type)	0.1S-10d (0.1 seconds-10 days), adjustable in multiple gears		
Delay range(Digital display type)	0.1S-99H (0.1 seconds-99 hours), button adjustable		
Delay accuracy (Rotary type)	Basic error <1%, mechanical error <10%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%		
Delay accuracy (Digital display type)	Basic error <1%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%		
Reset time	<500ms		
Output contact capacity	AC/DC24-240V Power supply	10/16A(AC1-Resistive)	
	AC220V Power supply	3/5A(AC1-Resistive)	
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)		
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas		
Installation method	35mm Din rail type		

Functional diagram

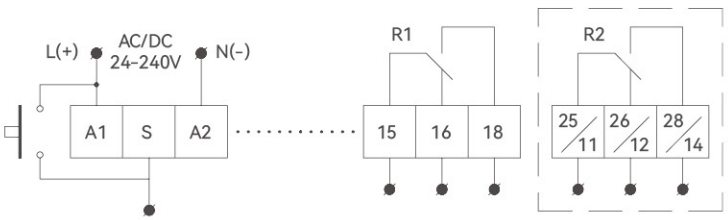


(Rotary type)



(Digital display type)

Wiring diagram



25-26-28 is the label of the second group of delay contacts
11-12-14 is the label of the second group of momentary contacts

Star Delta Starter Timer Relay

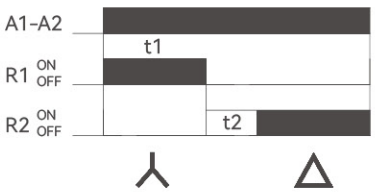
Product description

- Dedicated to motor star delta starter.

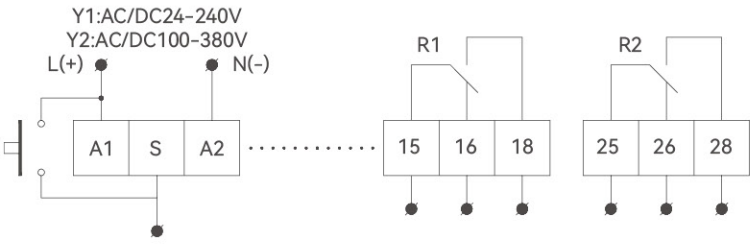
Technical parameter

Model(Rotary type)		HYCRT8-Y1	HYCRT8-Y2
Model (Digital display type)		HYCRT8S-Y1	HYCRT8S-Y2
Operating Voltage	Wide voltage	AC24-240V(50-60Hz)/DC24-240V voltage fluctuation ±10%	AC100-380V(50-60Hz)/DC100-380V voltage fluctuation ±10%
	Fixed voltage	AC220V(50-60Hz) voltage fluctuation ±20%	AC380V(50-60Hz) voltage fluctuation ±20%
Output configuration		Two sets of output contacts	
Indicator light (Rotary type)		The red LED indicates the status of R1 in real time, the green LED is always on when R2 is closed, and flashes for 0.5S when R2 is disconnected to indicate that it is working in the running mode	
Delay setting method		Rotary type(Rotary adjustment) Digital display type (digital display, button adjustment)	
Delay range (Rotary type)		t1 0.1S-10min (0.1s-10min), 4 gears adjustable t2 0.1S-1s (0.1s-1s)	
Delay range (Digital display type)		t1 0.1S-99min (0.1s-99min), adjustable by button t2 0.1S-9.9s (0.1s-9.9s) button adjustable	
Delay accuracy (Rotary type)		Basic error <1%, mechanical error <10%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%	
Delay accuracy (Digital display type)		Basic error <1%, repeat error <0.5% Temperature fluctuation error <0.05%/℃ , voltage jump error <1%	
Output contact capacity		Wide voltage Power supply	10/16A(AC1 Resistive)
		Fixed voltage Power supply	3/5A(AC1 Resistive)
Mechanical life		$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)	
Environment		Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas	
Installation method		35mm Din rail type	

Functional diagram



Wiring diagram



Voltage & Current Monitoring Relay Series

Model description

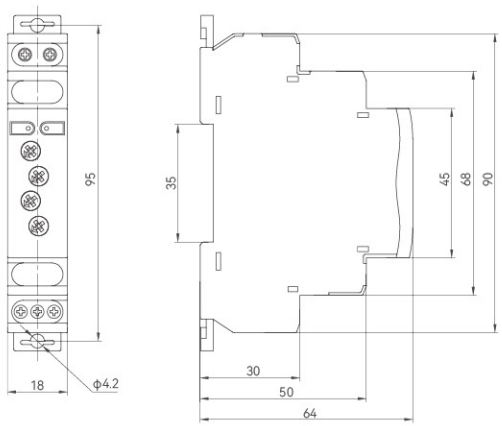
HYC R□ 8 S - □

- Auxiliary code, function description
  - A1: AC single phase
  - A4: AC three phase four wires
  - D1: DC single phase
  - AD1: AC and DC single phase (only for voltage)
- Auxiliary code
  - S: Digital display
- Design code
  - U: Voltmeter I: Ammeter
  - UI: Voltmeter (only for single phase)
- Enterprise code

Features

- The whole series can support AC/DC24-240V power supply
- Ultra-small size, 18mm width, 35mm standard rail installation
- Using imported chips, good stability
- Using special voltage and current chip sampling, high precision
- External transformer can be installed, the transformation ratio is adjustable, and the real-time voltage and current value can be visually displayed

Dimensions



Application selection table

Model	Setting type	Features	(AC/DC24-240V power supply)
HYCRU8S-A1	Digital display type	Single phase AC voltage monitor (AC24-240V)	contact output (AC1/16A)
HYCRU8S-A/D1		Single phase AC/DC voltage monitor (need to set)	
HYCRU8S-AD1		Single phase AC and DC voltage monitor (automatic detection of AC/DC24-240V)	
HYCRU8S-A4		Three phase AC voltage monitor (AC24-240V)	
HYCRI8S-A1		Single phase AC current monitor (AC0.02-16A) can add transformer	
HYCRI8S-A4		Three phase AC current monitor (AC0.02-6A) can add transformer	
HYCRUI8S-A1		Single phase AC voltage and current monitor (AC24-240V 0.02-16A)	

Note: The voltage and current monitor series such as HYCRU8S-A1 do not require the output contact model to be HYCRU8S-A10.

Single/Three Phase Voltage Monitoring Relays

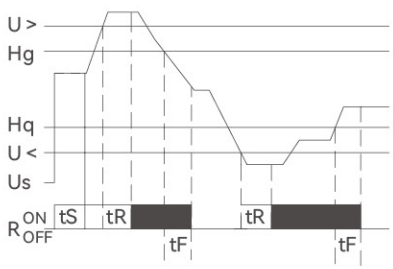
Product description

- The monitoring relay adopts the special chip sampling AC and DC technology, which can measure the single/three phase voltage (frequency) in the power grid, and set the overvoltage and undervoltage values according to the site conditions, so that the working voltage of the terminal equipment is controllable. Mainly used for overvoltage and undervoltage of electrical equipment.

Technical parameter

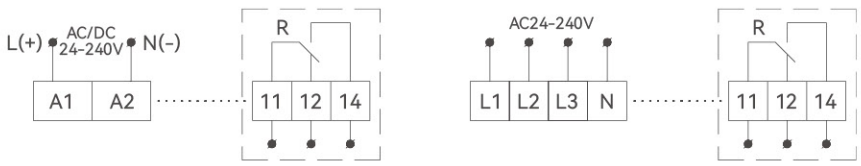
Model	HYCRU8S-A1	HYCRU8S-A4	HYCRU8S-A/D1	HYCRU8S-AD1
Output contact	1 set of 10/16A (if you only need to monitor and do not need output contacts, add 0 after the model number, for example: HYCRU8S-A10)			
Features	Single phase AC voltage	Three phase AC voltage	Single phase AC/DC voltage	AC and DC voltage (automatic monitoring)
Operating Voltage	AC24-240V(50-60Hz)		AC24-240V(50-60Hz)/DC24-240V	
Indicator light	Work indication: Green LED0.5S flashing, relay indication: R red LED real-time indication			
Setting method	Digital display, button adjustment, voltage setting accuracy 1			
Detection range	Voltage 24-240V (AC measurable frequency 40-65Hz)			
Limit range	±10% (single phase voltage 22-275V/three phase voltage 30-275V)			
Delay time	Action, power-on delay time: 0.5-29.9S (AC-DC automatic detection power-on delay time: 2-29.9S)			
Recovery value	3-19%			
Detection accuracy	Voltage: ±1V below 100V, ≤ 1% above 100V			
Reset time	<1S (AC and DC automatic detection is 2S)			
Contact capacity	10/16A(AC1 Resistive)			
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)			
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters			
	Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas			
Installation method	35mm Din rail type			

Functional diagram



U>: Overvoltage value
U < : Undervoltage value
Hg: Overvoltage recovery value
Hq: undervoltage recovery value
Us: Actual operating voltage
R: Relay
tS: Power-on delay
tR: Action delay
tF: recovery delay

Wiring diagram



Single/Three Phase AC Current Monitoring Relays

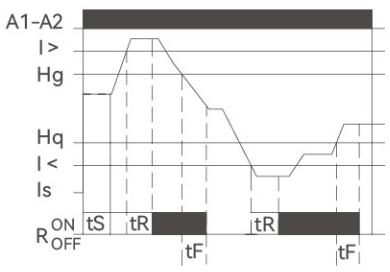
Product description

- The monitoring relay adopts the special chip sampling AC technology, which can measure the single/three phase current in the power grid, and set the overcurrent value according to the site conditions, so that the working current of the terminal equipment is controllable. Mainly used in overcurrent and undercurrent of electrical equipment.

Technical parameter

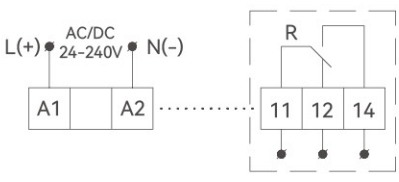
Model	HYCRI8S-A1	HYCRI8S-A4
Output contact	1 set of 10/16A (if only monitoring is required and no output contacts are required, add 0 after the model number, for example: HYCRI8S-A10)	
Features	Single phase AC current	Three phase AC current
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V	
Indicator light	Work indication: Green LED0.5S flashing, relay indication: R red LED real-time indication	
Setting method	Digital display, button adjustment, current setting accuracy 0.1	
Detection range	Single-phase current 0.02-16A/three phase current 0.02-5A (current can be expanded by external current transformer)	
Limit range	Single phase current 0.02-20A/Three phase current 0.02-6A	
Delay time	Action, power-on delay time: 0.5-29.9S	
Recovery value	3-19%	
Detection accuracy	Current: ≤ 1%; temperature fluctuation error <0.05%/℃	
Reset time	<1S	
Contact capacity	10/16A(AC1 Resistive)	
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)	
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters	
	Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas	
Installation method	35mm Din rail type	

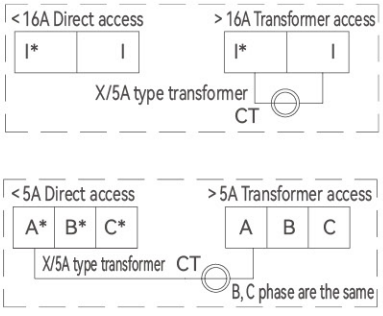
Functional diagram



I>: Overcurrent value
I < : Undercurrent value
Hg: Overcurrent recovery value
Hq: undercurrent recovery value
Us: actual operating voltage
R: Relay
tS: Power-on delay
tR: Action delay
tF: recovery delay

Wiring diagram





Single Phase AC Voltage And Current Monitoring Relay

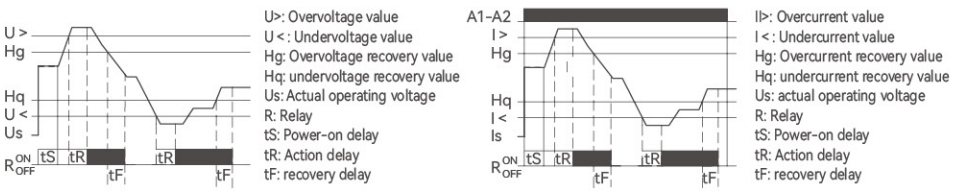
Product description

- The monitoring relay adopts the special chip sampling AC technology, which can measure the single phase, voltage (frequency) current in the power grid, and set the overvoltage and undervoltage current values according to the site conditions, so that the power consumption of the terminal equipment can be controlled. Mainly used for over/undervoltage and over/undercurrent of electrical equipment.

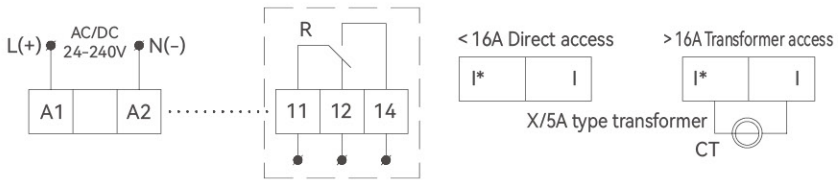
Technical parameter

Model	HYCRUI8S-A1
Output contact	1 set of 10/16A (if only monitoring is required and no output contacts are required, add 0 after the model number, for example: HYCRUI8S-A10)
Features	Single phase AC voltage and current
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V
Indicator light	Work indication: Green LED0.5S flashing, relay indication: R red LED real-time indication
Setting method	Digital display, button adjustment, voltage setting accuracy 1, current setting accuracy 0.1
Detection range	Voltage 24-240V (AC measurable frequency 40-65Hz) single-phase current 0.02-16A (current can be expanded by external current transformer)
Limit range	±10% (single phase voltage 22-275V/single phase current 0.02-20A)
Delay time	Action, power-on delay time: 0.5-29.9S
Recovery value	3-19%
Detection accuracy	Voltage: ±1V below 100V, ≤ 1% above 100V; Current: ≤ 1%; Temperature fluctuation error <0.05%/℃
Reset time	<1S
Contact capacity	10/16A(AC1 Resistive)
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters
	Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas
Installation method	35mm Din rail type

Functional diagram



Wiring diagram



Other Types Of Monitoring Relay Series

Model description

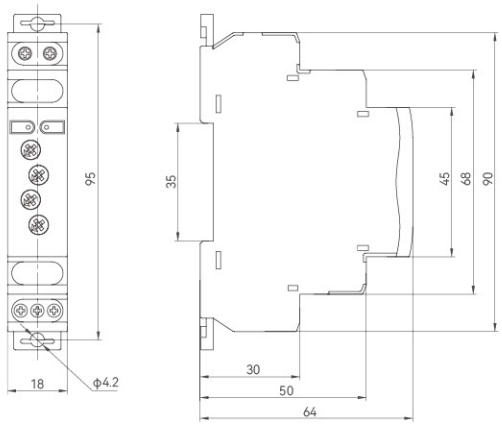
HYC R□ 8 - □

- □ — Function code and function description
  A:
  B:
- 8 — Design code
- R□ — L: Light control V: Voice control
- HYC — Enterprise code

Features

- The whole series can support AC/DC24-240V power supply
- Ultra-small size, 18mm width, 35mm standard rail installation

Dimensions



Photosensitive Adjustable Switch

Product description

- According to the set illuminance threshold, automatically control the switch of electrical equipment. Mainly used in corridors, outdoor, street lights and other equipment that need to be automatically turned on at night.

Technical parameter

Model	HYCRL8-A	HYCRL8-B
Features	Instantaneous relay pulls in and disconnects	Delay ≈ 10 seconds Relay pulls in, momentarily disconnects
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V voltage fluctuation ±10%	
	AC220V(50-60Hz) voltage fluctuation ±20%	
Indicator light	Work indication: green LED is always on, relay indication: red LED real-time indication	
Sensitivity setting method	Rotary adjustment	
Sensor error	±35%	
Sensor lead length	up to 20 meters	
Reaction time	<1S	
Output contact capacity	AC/DC24-240V Power supply	10/16A(AC1-Resistive)
	AC220V Power supply	3/5A(AC1-Resistive)
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)	
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas	
Installation method	35mm Din rail type	

Function description

- Type A: When the light intensity threshold is sensed, the relay is opened or closed instantaneously, which is used for occasions requiring fast response;
- Type B: When the light intensity threshold is sensed, the relay will be closed with a delay of ≈ 10-15 seconds, so as to prevent the light intensity from being in a critical state and the relay will operate frequently, which is suitable for general occasions.

Voice Control Adjustable Switch

Product description

- According to the set voice control intensity threshold, control the switch of electrical equipment. Mainly used in corridors, outdoors, corridors and other equipment that need to be opened during special periods.

Technical parameter

Model	HYCRV8-A(Clap switch)	HYCRV8-B(Voice control delay switch)	HYCRLV8(Voice and light control delay switch)
Features	Voice on - Voice off loop again	The pull-in relay is delayed for 20-60 seconds, disconnected, and the time is adjustable	No action when there is light, HYCRV8-B function will be realized when there is no light
Operating Voltage	AC24-240V(50-60Hz)/DC24-240V voltage fluctuation ±10%		
	AC220V(50-60Hz) voltage fluctuation ±20%		
Indicator light	Work indication: green LED is always on, relay indication: red LED real-time indication		
Sensitivity setting method	Rotary adjustment(≈ 20-90dB)		
Voice control, delay error	±20%		
Sensor response range	≤ 4m		
Response time	<500ms		
Output contact capacity	AC/DC24-240V Power supply	10/16A(AC1-Resistive)	
	AC220V Power supply	3/5A(AC1-Resistive)	
Mechanical life	$1x10^5$ (Resistive load, room temperature, 1s on and 9s off)		
Environment	Working temperature: -10-55℃ Relative humidity: ≤ 85% Altitude: ≤ 2000 meters Storage temperature: -20-75℃ , no rain, snow, salt fog and corrosive gas		
Installation method	35mm Din rail type		

Function description

- Type A: Clap your hands after power-on, the relay is closed, the R light is on, and the relay is turned off, and the R light is off, and so on (interval <1S));
- Type B: After power-on, the relay R first closes a multiple of the delay time (if the delay is set to 20 seconds, the relay is closed for 40 seconds after power-on), then goes out, clap your hands, the relay is closed, the R light is on, and the delay is 20 -60 seconds (time adjustable) the relay is disconnected and the R light is off.
- HYCRLV8 type: After power-on, there is light and no action, and the function of type B is realized when there is no light.

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