

◆ Technical Data:

Model: SR-12AC-R

RIEV/TECH

GENERAL SPECIFICATIONS

Timers : 256

Counters: 256

Function Blocks: 256

Operation temp.: -20°C-+55°C

Storage : -40°C-+70°C

Protection: IP20 (Non-waterproof)

RTC accuracy: MAX ±2S/day

RTC Backup at 25 °C: 20 days

Program and settings Backup:10 years

Data Power-off retentivity: 10 years

Dimensions : 72*90*61 (Unit, mm)

Certificate : CE

Installation : 35mm-DIN rail or screw for installation

Modify parameters via keypad LCD: yes

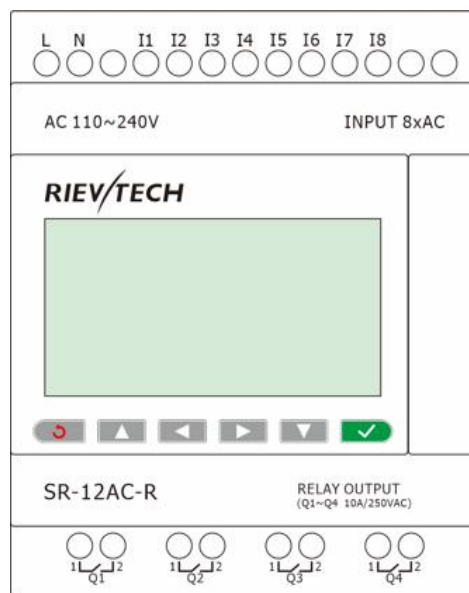
Supported programming language: FBD

Expansion capacity: 3 modules (SR-E)

Password protection: 4-digit number password protection or disable program upload function

Communication interface: 1 RS485 port(COM1 external -- SR-RS485), 1Ethernet port(10M)

Communication protocol: Modbus RTU, Modbus TCP

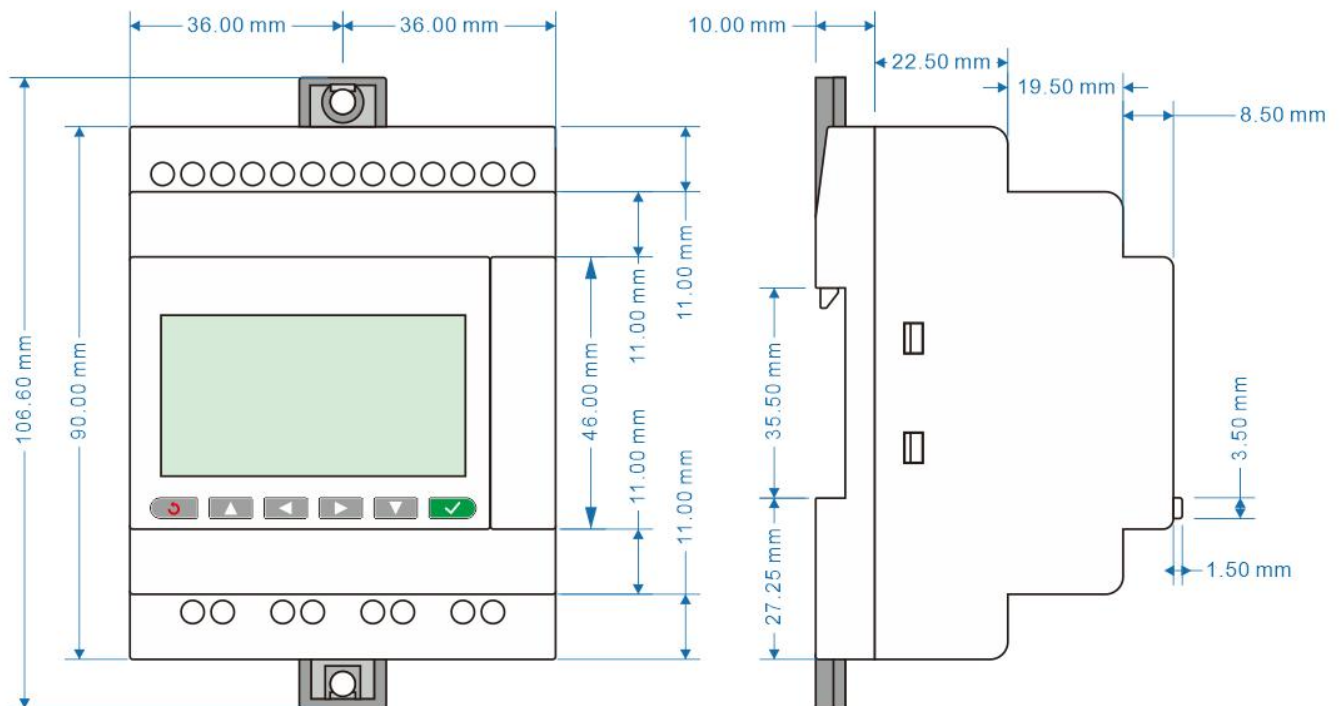


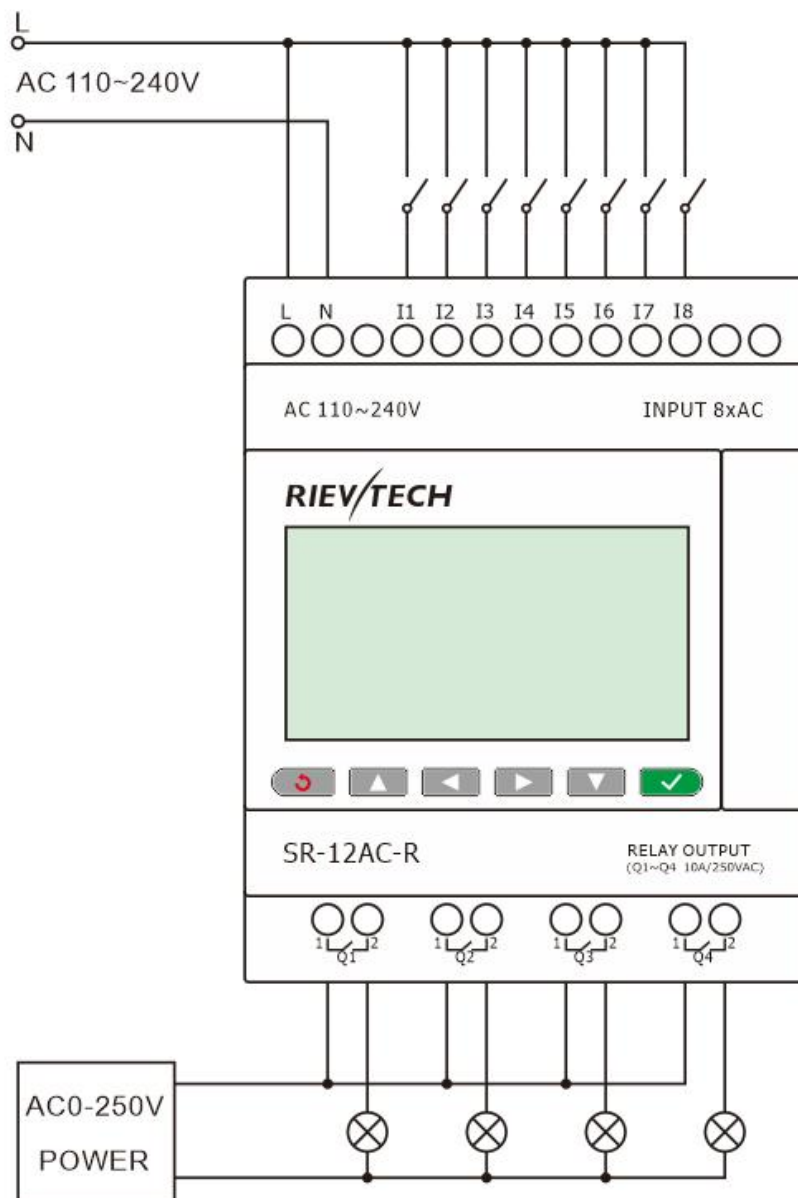
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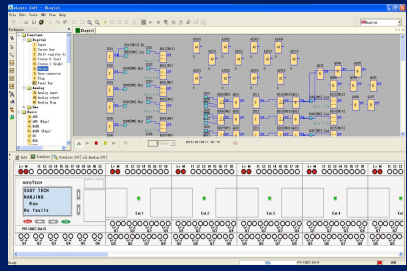
Power supply:	
Nominal voltage	AC110V-240V
Operating limits	AC85 - 265 V
The main frequency range	47-63Hz
Max. absorbed power	60mA (85V ac); 50mA (265V ac)
Isolation voltage	1780V AC
Protection against polarity inversions	Yes
Input parameters:	
Input No	8 (I1-I8)
Digital input	8 (I1-I8)
Analogue input	None
Input voltage	AC110-240V
Input signal0	AC0-40V; <0.03mA
Input signal1	AC79-240V; >0.06mA
Input Response Time	Delay time at 0 to 1: 120V AC: Typ. 30 ms 240V AC: Typ. 20 ms Delay time at 1 to 0: 120V AC: Typ. 130 ms 240V AC: Typ. 120 ms

Maximum counting frequency	Typ. 2Hz
Sensor type	Contact or 3-wire PNP
Isolation between power supply and inputs	None
Isolation between inputs	None
Protection against polarity inversions	Yes
Output parameters:	
Output No.	4 (Q1-Q4)
Output type	Relay output
Safety certified load (resistive)	10A,250V AC
Min switching load	6V 1A
Electrical durability Expectancy	10 ⁵ Operations at Rated Resistive Load
Mechanical life	10 ⁷ Operations at No Load condition
Response time	Operate Time: 15 mSec. Max. Release Time: 10 mSec. Max.
Built-in protections	Against short-circuits: None Against over-voltages and overloads: None
Switch frequency:	
Mechanism	10Hz
Resistor/light load	2Hz
Sensitive load	0.5Hz
Other parameters:	
Weight	210.7g / 247.2g(packaging)

Installation Dimensions & Wiring Diagram





SYSTEM	Operating System requirements		Windows /2000/XP/WIN7/WIN8			
	Programming languages		Function block			
	Program Memory		256			
	Execution Speed		<0.1ms per function			
	LCD Display		4 lines x 16 characters			
	Functions		Up to 70 function blocks			
BASIC	Timers					a.On-delay; b.Off-delay etc. Up to 12 kind Timers
	Maximum Number	256				
	Timing Ranges	10ms--99 h59m				
	Counters					a.Up/down Counter b.Hours Counter c.Frequency Threshold Trigger
	Maximum Number	256				
	Highest Count	99999999				
	Resolution	1				a.Weekly Timer b.Yearly Timer
	RTC					
	Number available	256				
	Resolution	1 min				a.Digital Flag b.Analog Flag
	Time span available	Week/year-month-day-hour-min				
	Flags					
	Digital flags	128				a.PI Controller
	Analog flags	128				
	PI Functions					
	Number available	30				a.Analog Math b.Analog Math Error detection
	Parameter Ranges	1-32767				
	Analog Math					
	Number available	256				a. Analog Ramp
	Function	ADD, Subtract,Multiply, Divide				
	Analog Ramp Function					
	Number available	55				a.Analog compactor b.Comparison of 2 values
	Compare Function					
	Number available	256				
Special Functions	HMI Screens					a.Message texts
	Number available	16				
	Display/Edit	Preset Current value and Free text				
	Communication Functions					a.Modbus read write
	Number available	256 (Only CPU works as Master need this block, slave does not need)				
	Word/bit data Conversion	Analog watchdog	Analog filter	RS latch relay		
	Data-logger Function	Stop watch	Pulse Relay	Average value		
	Astronomical clock	Boolean function				
Note: 1.Not all program functions are listed in this table i.e. AND,NAND,OR,NOT,NOR,XOR,SHIFT REGISTER,DATA LATCHING RELAY, COMPORT STATUS etc.						

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