

## ◆ Technical Data:

**Model:PR-6AC-R**

### GENERAL SPECIFICATIONS

Timers : 64

Counters : 64

Function Blocks: 64

Operation temp. : -20°C-55°C

Storage:-40°C-70°C

Protection: IP20

RTC accuracy : MAX ±2S/day

RTC Backup at 25 °C : 20 days

Program and settings Backup :10 years

Data Power-off retentivity : No

Cycle time: typ. 0.6ms → 8.0ms

Dimensions: 48\*90\*64 (Unit, mm)

Certificate: CE,ROHS

Installation: 35mm-DIN rail or screw for installation

Expansion capacity: No

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

Communication interface : TTL interface , 1 Program/RS232 port

Communication protocol : Modbus RTU/ASCII , only can serve as slaves

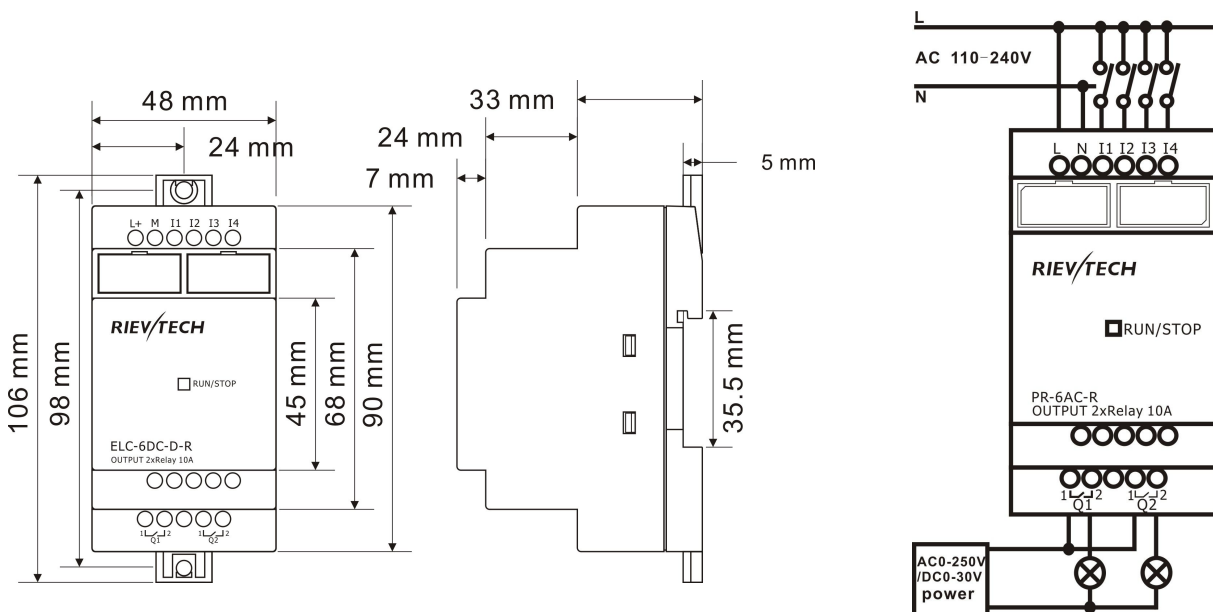


### Technical Index

Power supply:	
Nominal voltage	AC110V-240V
Operating limits	AC85 - 265 V
The main frequency range	47-63Hz
Max. absorbed power	34 mA (85V AC) 26 mA (265V AC)
Isolation voltage	1780V AC
Protection against polarity inversions	Yes
Input parameters:	
Input No	4 ( I1-I4 )
Digital input	4 ( I1-I4 )
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. 50 ms 240V AC : Typ. 30 ms Delay time at 1 to 0: 120V AC : Typ. 90 ms 240V AC : Typ.100 ms

Maximum counting frequency	Typ. 4Hz
Sensor type	Contact or 3-wire PNP
Isolation between power supply and inputs	None
Isolation between inputs	None
Protection against polarity inversions	Yes
<b>Output parameters:</b>	
Output No.	2 (Q1-Q2)
Output type	Relay output
Continuous current	Resistive load 10A/Inductive load 2A
Max. breaking voltage	AC 250 V DC 110 V
Max. Allowable Power Force	1250VA 300W
Electrical durability Expectancy	10 <sup>5</sup> Operations at Rated Resistive Load
Mechanical life	10 <sup>7</sup> 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 overvoltages and overloads: None
<b>Switch frequency:</b>	
Mechanism	10Hz
Resistor/light load	2Hz
Sensitive load	0.5Hz
<b>Other parameters:</b>	
Weight	Approx.180g

## Installation Dimensions & Wiring Diagram



SYSTEM					
Operating System requirements		Windows /2000/XP/WIN7/WIN8			
Programming languages		Function block			
Program Memory		64			
Execution Speed		<0.1ms per function			
LCD Display		No			
Functions		Up to 70 function blocks			
BASIC					
Timers					a.On-delay; b.Off-delay etc. Up to 12 kind Timers
Maximum Number	64				
Timing Ranges	10ms--99 h59m				
Counters					a.Up/down Counter b.Hours Counter c.Frequency Threshold Trigger
Maximum Number	64				
Highest Count	99999999				
Resolution	1				
RTC					a.Weekly Timer b.Yearly Timer
Number available	64				
Resolution	1 min				
Time span available		Week/year-month-day-hour-min			
Flags					a.Digital Flag b.Analog Flag
Digital flags	32				
Analog flags	32				
PI Functions					a.PI Controller
Number available	Not available				
Parameter Ranges	----				
Analog Math					a.Analog Math b.Analog Math Error detection
Number available	Not available				
Function	---				
Analog Ramp Function					a. Analog Ramp
Number available	Not available				
Compare Function					a.Analog compactor b.Comparison of 2 values
Number available	64				
Special Functions					
HMI Screens					a.Message texts
Number available	Not available				
Display/Edit	----				
PWM Functions					a.PWM
Number available	Not available				
Communication Functions					a.Modbus write b.Modbus read
Number available	Not available(it only can work as slave)				
Analog threshold trigger		Analog amplifier			
Analog differential trigger		Data Latching relay	Pulse Relay	Shift register	
AND		NAND	OR	XOR	