

◆ **Technical Data:**

Model:PR-14AC-R



GENERAL SPECIFICATIONS

Timers : 512

Counters : 512

Function Blocks: 512

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

Modify parameters via keypad LCD: yes

Dimensions: 95*90*55 (Unit: mm)

Certificate: CE

Installation: 35-DIN rail or screw for installation

Expansion capacity: 16 modules (PR-E-16)

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

Communication interface : 1 RS232 port & 2 RS485 port(1 built-in)

Communication protocol : Modbus RTU/ASCII

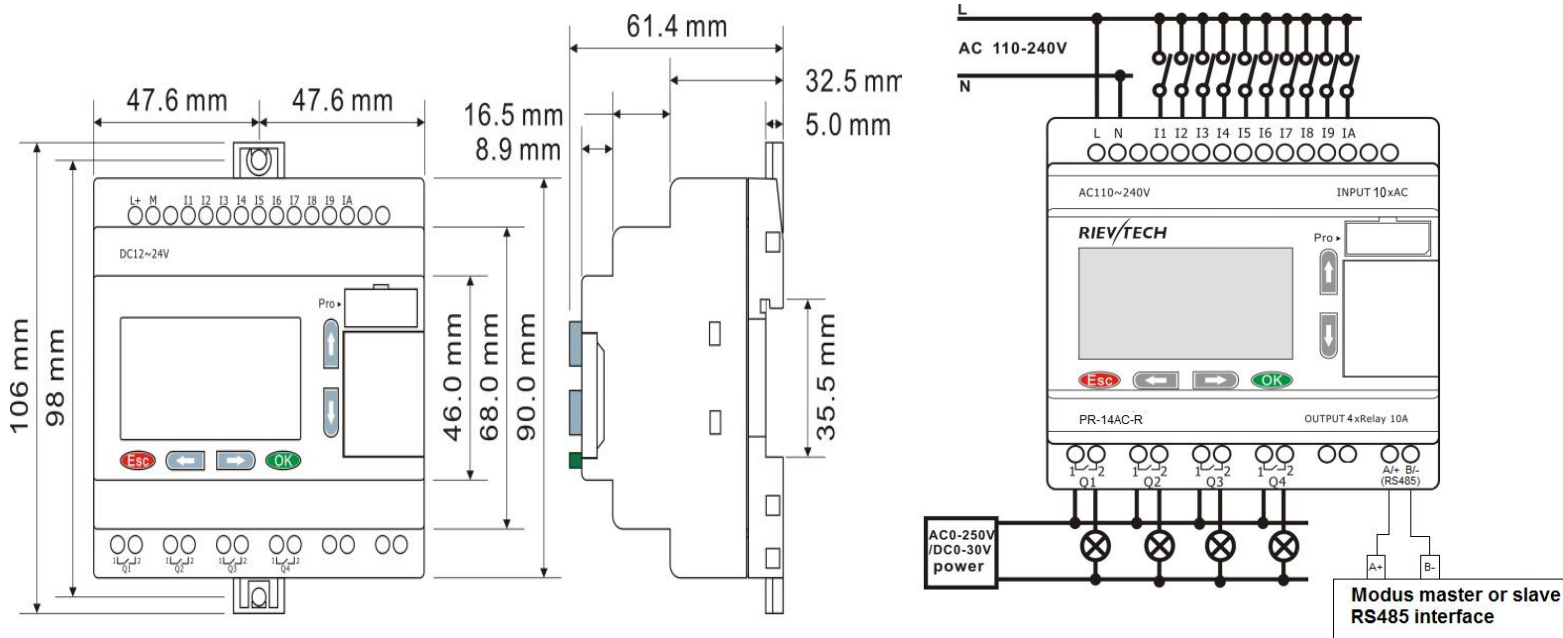


Technical Index

Power supply:	
Nominal voltage	AC110V-240V
Operating limits	AC85 - 265 V
The main frequency range	47-63Hz
Max. absorbed power	49mA (85V ac) ; 37mA (265V ac)
Isolation voltage	1780V AC
Protection against polarity inversions	Yes
Input parameters:	
Input No	10 (I1-IA)
Digital input	10 (I1-IA)
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
Output parameters:	
Output No.	4 (Q1-Q4)
Output type	Relay output
Max. Allowable Power Force(Resistive)	CE: 10A,250V AC/DC30V
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 overvoltages and overloads: None
Switch frequency:	
Mechanism	10Hz
Resistor/light load	2Hz
Sensitive load	0.5Hz
Other parameters:	
Weight	Approx.400g

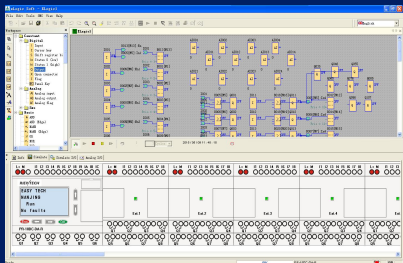











Installation Dimensions & Wiring Diagram



Program(xlogicsoft) Specification

www.rievtech.com

RIEV/TECH

SYSTEM		Operating System requirements		Windows /2000/XP/WIN7/WIN8		Programming languages		Function block				
SYSTEM		Program Memory		512		Execution Speed		<0.1ms per function		LCD Display		
SYSTEM		Functions		Up to 70 function blocks								
BASIC	Timers										a.On-delay; b.Off-delay etc. Up to 12 kind Timers	
	Maximum Number		512									
	Timing Ranges		10ms--99 h59m									
	Counters										a.Up/down Counter b.Hours Counter c.Frequency Threshold Trigger	
	Maximum Number		512									
	Highest Count		99999999									
	Resolution		1									
	RTC										a.Weekly Timer b.Yearly Timer	
	Number available		512									
	Resolution		1 min									
	Time span available		Week/year-month-day-hour-min									
	Flags										a.Digital Flag b.Analog Flag	
	Digital flags		256									
	Analog flags		256									
	PI Functions										a.PI Controller	
	Number available		30									
	Parameter Ranges		1-32767									
	Analog Math										a.Analog Math b.Analog Math Error detection	
Number available		1024										
Function		ADD, Subtract,Multiply, Divide										
Analog Ramp Function										a. Analog Ramp		
Number available		55										
Compare Function										a.Analog compactor b.Comparison of 2 values		
Number available		512										
Special Functions	HMI Screens										a.Message texts	
	Number available		128									
	Display/Edit		Preset Current value and Free text									
	PWM Functions										a.PWM	
	Number available		No fast output									
	Communication Functions										a.Modbus write b.Modbus read	
	Number available		512(Only CPU works as Master need these 2 blocks, slave does not need)									
	Word/bit data Conversion		Square Boot		Sin/Cos		RS latch relay					
	Data-logger Function		Analog watchdog		Analog filter		Average value					
	Pumps Management		Defrost function		Multiplexer		Pulse Relay					
Cam Control		Astronomical clock		Stop watch		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.