

◆ Technical Data:

Model:PR-14AC-R

RIEV/TECH



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

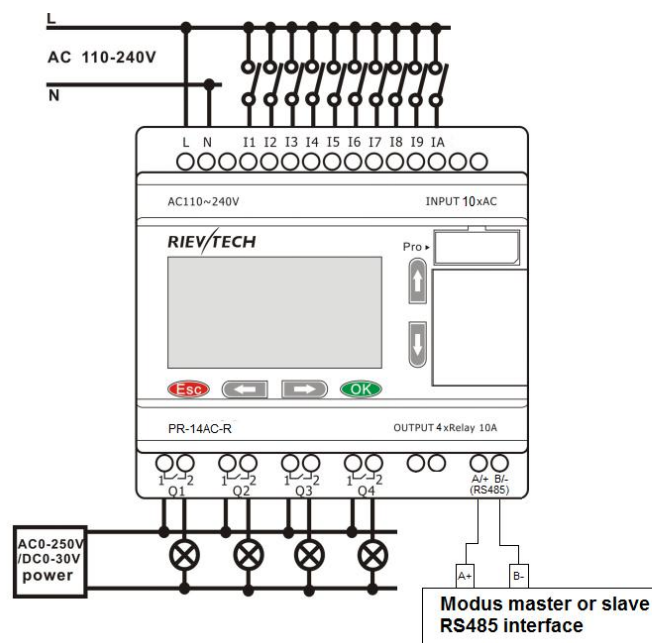
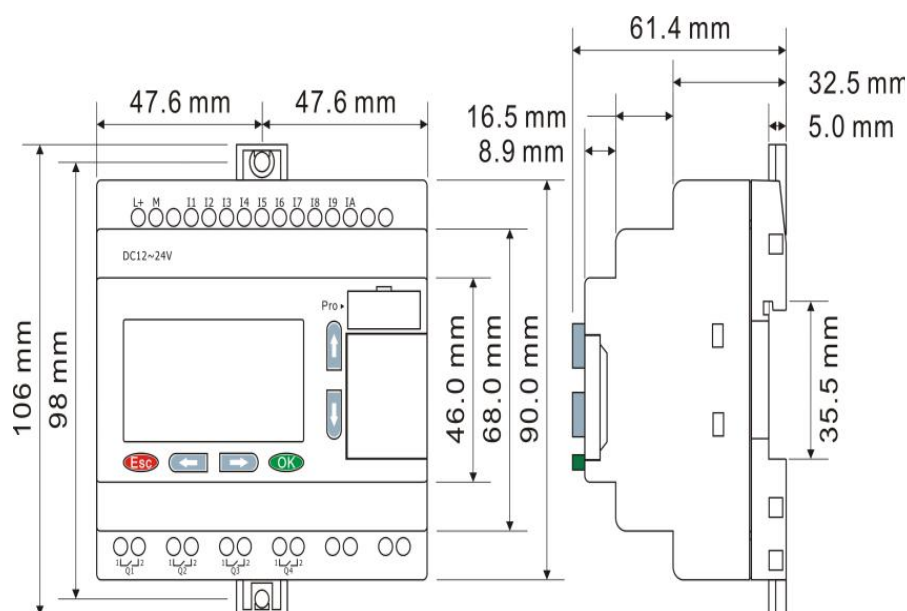


Technical Index

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

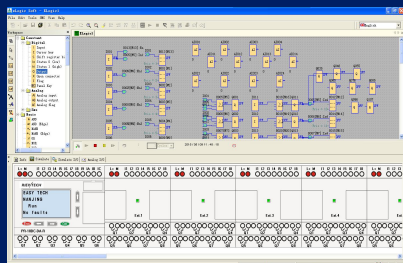
Installation Dimensions & Wiring Diagram



Program(xlogicsoft) Specification

www.rievtech.com

RIEV/TECH

SYSTEM	Operating System requirements		Windows /2000/XP/WIN7/WIN8				
	Programming languages		Function block				
	Program Memory		512				
	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	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			a.Digital Flag b.Analog Flag	
	Flags						
	Digital flags	256					
	Analog flags	256		a.PI Controller			
	PI Functions						
	Number available	30					
	Parameter Ranges		1-32767			a.Analog Math b.Analog Math Error detection	
	Analog Math						
	Number available	1024					
	Function		ADD, Subtract,Multiply, Divide			a. Analog Ramp	
	Analog Ramp Function						
	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.							