

◆ Technical Data:

Model:PR-6DC-DA-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

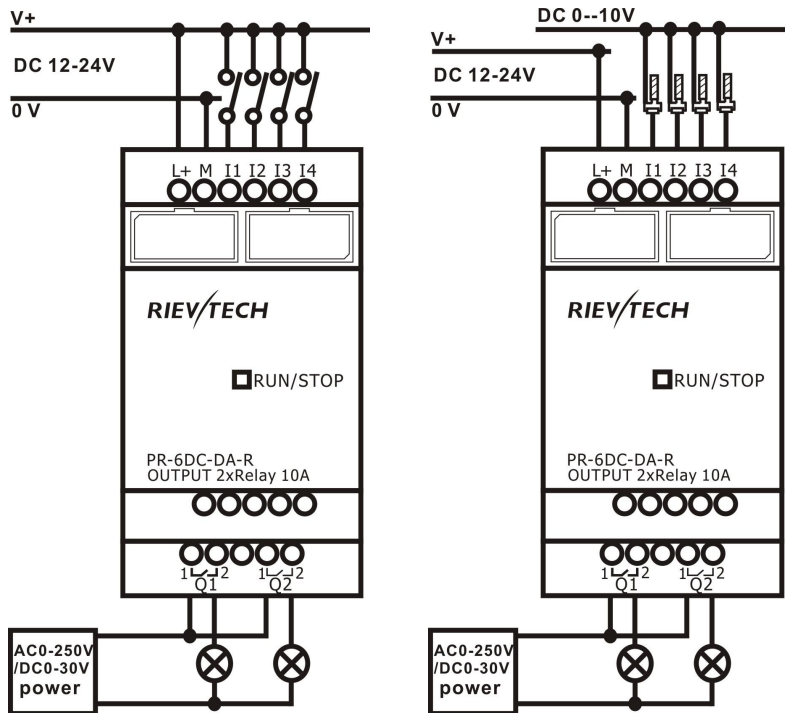
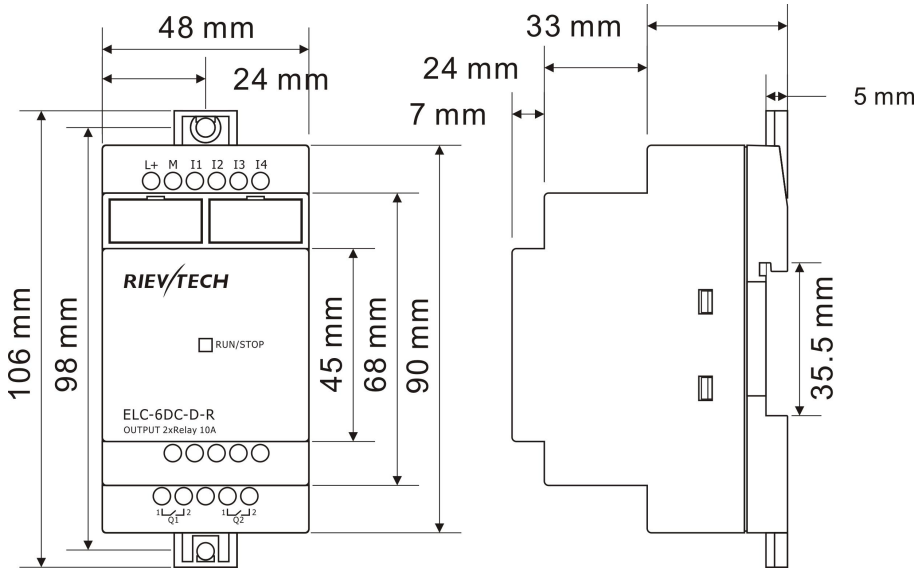


Technical Index

Power supply:	
Nominal voltage	DC 12-24V
Operating limits	DC 10.8-28.8V
Immunity from micro power cuts	Typ.5 ms
Max. Startup current	Max. 0.25A
Max. absorbed power	1.1 W (10.8V dc) ; 1.2W (28.8V dc)
Protection against polarity inversions	Yes
Input parameters:	
Input No	4 (I1-I4)
Digital input	4 (I1-I4)
Analogue input	4 (I1-I4)(0..10V DC)
Inputs used as digital inputs(I1-I4)	
Input voltage	DC0-28.8V
Input signal0	< 5V DC;<0.1mA
Input signal1	> 8 V DC;>0.3mA
Input current	0.4mA @ 10.8V dc 0.5mA @ 12.0 V dc 1.2mA @ 24 V dc 1.5mA @ 28.8 V dc
Response time	0 to 1 : Typ. 1.5 ms ; 1 to 0 : Typ. 1.5 ms
Maximum counting frequency	Typ.: 4 HZ

Sensor type	Contact or 3-wire PNP
Input type	Resistive
Isolation between power supply and inputs	None
Isolation between inputs	None
Inputs used as analog inputs(I1-I4)	
Measurement range	DC 0---10V
Input impedance	Min, 24K Ω ; Max. 72K Ω
Input voltage	28.8 V DC max
Resolution	9bit ,0.015V
Accuracy at 25 °C	\pm (Max.0.03)V
Accuracy at 55 °C	\pm (Max.0.06)V
Isolation between analog channel and power supply	None
Cable length	10 m max. shielded and twisted
Output parameters:	
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 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.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		RS latch relay		
	Analog differential trigger	Data Latching relay	Pulse Relay	Shift register		
AND	NAND	OR	XOR			