XINJE XP3 SERIES PLC+ HMI CONTROLLER

XP3-18RT-B

Compact PLC+HMI model

Product description

1. 10 NPN inputs, 8 Transistor outputs (T)

2. DC24V power supply

3. XP series can expand multiple analog temperature module, for extensive application Can equip multiple function BD board, to do relevant control of temperature and analog.Install in the main unit directly, do not need extra space.

4. Support RTC, power-off retentive

5. Support basic logic control and data operation

6. Support high speed count, pulse output, external interruption, C language function block, free   switch for I/O points, free protocol communication and MODBUS communication.

7. 2 COM ports RS232 & RS485

8. Perfect combination of XC2 series PLC and OP series operate panel Brief design, compact structure layout, save the install space greatly

9. Integrate control, display, analog functions in one body, fulfill your project requirements in the round.

10. Faster dispose speed, including XC2 series' all functions Digital input 10 points, output 8points

11. 2-channel high speed pulse output, the frequency can reach 400KHz, can realize multi-segment control

12. 4-channel single-phase or 2-channel AB phase 32-bit high speed count function, the frequency can reach 80KHz.

13. Program port dual function design: use one cable to realize both PLC program download and HMI screen download

14. RS-485 communication port support MODBUS protocol and free format protocol

15. Support PID control function, more precise and steady control

General Specifications

Items	Specifications
Input voltage	DC24V
Voltage range	DC22-26V
Current consumption	<200mA
Isolative resistance	More than 100MΩ , DC 500V
Anti-noise	Interfere voltage: 1500Vp-p Pulse cycle: 1 μs Duration time: 1 minute
Atmosphere	No corrosive, flammable gas
Ambient temperature	0℃~50℃
Ambient humidity	10%RH~95%RH (No dew)
COM1	RS-232 to download PLC ,HMI program & debug.
COM2	RS-485, to connect intelligent instruments or inverters.

PLC Specifications

Items		Specifications
Program execution mode		Loop scan mode
Program mode		Instructions and ladder
Processing speed		0.5us
Power off retentive		FlashROM and Li-battery
Users' program capacity		128KB
I/O points	Total I/O	18
	Input	10 X0~X7
	Output	8 Y0~Y5
Internal Coils(M)		8768
Procedure (S)		1024
Timer (T)	points	640
	Spec.	100mS timer: set time 0.1~3276.7sec. 10mS timer: set time 0.01~327.67sec. 1mS timer: set time 0.001~32.767sec.
Counter (C)	points	640
	Spec.	16 bits counter: set value K0~32,767 32 bits counter: set value -2147483648~＋2147483647
Data Register(D)		8000
FlashROM Register (FD)		3072
High Speed Counter		4-channel single-phase or 2-channel AB phase 32-bit high speed count function, the frequency can reach 80KHz
Pulse Output		Supports 2 points (Y0 & Y1) of independent high-speed (max. 400 kHz) pulse output
Password Protection		6 bits ASCII

HMI Specifications

Items	Specifications
Display Type	Yellow LCD
Screen attribute	Do not support touch function
Screen size	192*64
Using life	Above 20000 hours, environment temperature 25·c, 24-hour running
Contrast	Adjust by the potentiometer
Test setting character size	Simplified and traditional Chinese, English , Any font Matrix font, vector font
Panel key	26 key-presses, set the function freely
Screen	64KB Flash ROM
Data	4KB SRAM
External Dimension	172.0* 121.0*56.5
Mounting Dimension	164.0* 113.0