

XP Series PLC&HMI Inegrator

(Transistor Output Version can do Pulse Output Motion Control)



PLC part:

Item	Specification			
	XP3-18R	XP3-18RT	XMP3-18R	XMP3-18RT
Program executing format	Loop scan format、time scan format			
Program format	Both Ladder Logic and Statement List			
Contact Execution	0.5us			
Retentive Memory	Use Flash ROM and Library			
User program's capacity	2,000 steps			
Built In digital I/O points	Inputs: 10 Output: 8	Inputs: 10 Output: 8	Inputs: 10 Output: 8	Inputs: 10 Output: 8
Maximum I/O Points	23	23	23	23
High Speed Pulse Outputs	2			
Hardware Interrupts	1			
Internal coil's points (M)	8,512 points			
Timer (T)	Points	620 points		
	Spec.	100mS timer: Set time 0.1~3276.7 seconds 10mS timer: Set time 0.01~327.67 seconds 1mS timer: Set time 0.001~32.767 seconds		
Counter (C)	Points	635 points		
	Spec.	16 bits counter: set value K0~32,767 32 bits counter: set value K0~2,147,483,647		
Data Register (D)	8,512 words			
Floating Point Math	Yes			
Flash ROM Register (FD)	2,048 words			
High speed dispose function	High speed count、pulse output、external interrupt			
Scan Time	0 ~ 99 ms			
Password protection	6 bits ASCII			
Self diagnose function	Power on self-diagnose、Monitor timer、grammar check			
Real Time Clock/Calendar	Yes			

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1. the family of PLC
2. the number of built in I/O points
3. R: Relay Outputs, T: Transistor Outputs

General XP3 PLC Hardware Specifications:

1. Input Voltage: 24VDC
2. Input Current: 120mA@24 VDC
3. Power Consumption: 12 W
4. Insulate voltage: Up to DC 500V 2MΩ
5. Anti-noise: 1000V 1uS pulse per minute
6. Storage Temperature: -20-60°C
7. Ambient Operating Temperature: 0~60°C
8. Ambient Humidity: 5~95% (non-condensing)
9. COM 1: RS-485
10. COM 2: RS-232/RS-485
11. COM 3: BD board expansion COM port

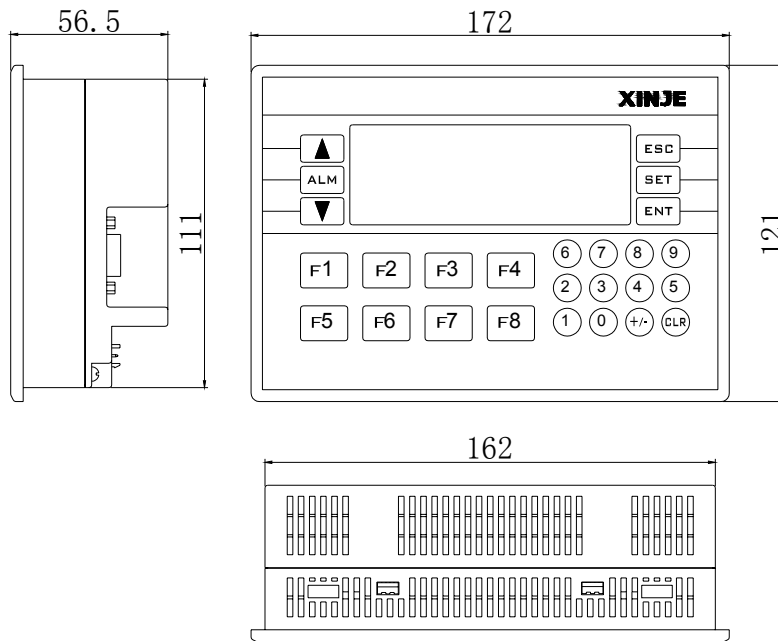
Built In Input Specifications:

Input signal's voltage	24VDC±10%
Input signal's current	7mA@24VDC
Input ON current	> 4.5mA
Input OFF current	< 1.5mA
Input response time	<10ms
Input signal's type	Contact input or NPN open collector transistor
Circuit insulation	Photo-electricity coupling insulation
LED	Yes

Built In Output Specifications:

Items		Relay output	Transistor Output
Voltage Output		AC250V, DC30V	5VDC ~ 30VDC
Circuit insulation		Mechanism insulation	Optical coupling insulation
LED		Yes	
Max load	Resistance load	3A	0.8A
	Induce load	80VA	12W@24VDC
	Lamp load	100W	1.5W@24VDC
Mini load		2mA@5VDC	
Response	OFF→ON	10ms	< 0.2ms

time	ON→OFF	10ms	< 0.2ms
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HMI Part

General Specification

1. Electric Specification

Input Voltage	DC12V-DC24V
Power	Below 4W (TYP2.0W)
Momentary power cut allowance	Below 20ms
Voltage Endurance	AC1000V-10mA 1 minute (signal and time)
Insulate impedance	DC500V-about 10M Ω (signal and time)

2. Ambient Condition

Operate temperature	0~50 $^{\circ}$ C
Store temperature	-10~60 $^{\circ}$ C
Ambient humidity	20~85% (No dew)
Vibration endurance	10~25Hz (X, Y, Z each direction 2G per 30 minutes)
Anti-interfere	Voltage noise: 1000Vp-p
Ambient air	No canker gas
Protect structure	Fit IP65

The Model has the advantages of following items:

- Via edit tool OP20, edit your program on your computer, you can input the letters and set

PLC ID freely, use COM ports to download the screens.

- The communication protocol will be downloaded to the model along with screen data, PLC needn't compile communication program.
- Can connect with nearly all PLCs popular in the current market, such as Mitsubishi FX series、 Omron C series、 Siemens S7-200 series、 Koyo SG series etc.
- With password protection function
- With alarm list function, real time display the current alarm information line by line.
- 26 function keys, each function key can be defined freely
- Add touch function which make control more easily
- Freely choose communication format, any one of RS232/RS422/RS485
- Add vector text and vector buttons which make the project screen more expressive
- With backlight STN LCD display, normally it can display 24 ASC×4 lines. If use the vector units, it can display more information!
- The display's surface is IP65 structure, water-proof, oil-proof