

Chapter 1 Product Overview

1.1 Product overview

- This model is designed to meet the needs of low demand, simple display and no programming;
- Simple operation, no programming, plug and play display;
- No separate power supply is required, but direct PLC power supply;
- Two sets of six digit large size display;
- Functional key and common key function reuse;
- Eight LED status indicators to meet your various indicators, such as alarm, production completion.
- Voltage compatible with 3.3 V-5V;
- The display or write address can be modified;
- There is no communication 5 seconds after power on, but “NO PLC” is displayed.

1.2 Product display

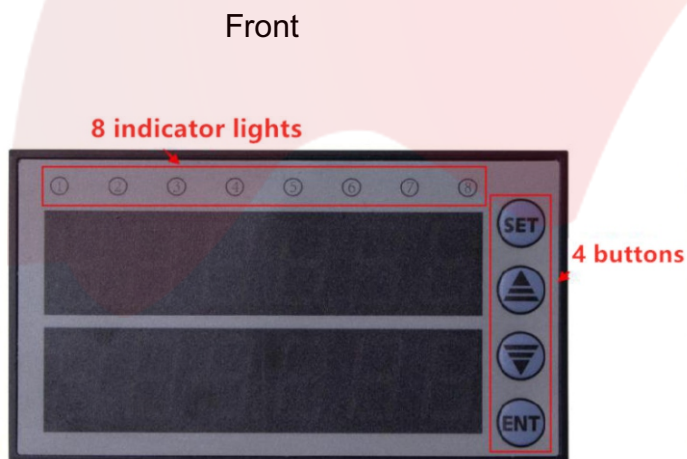


Figure 1-1

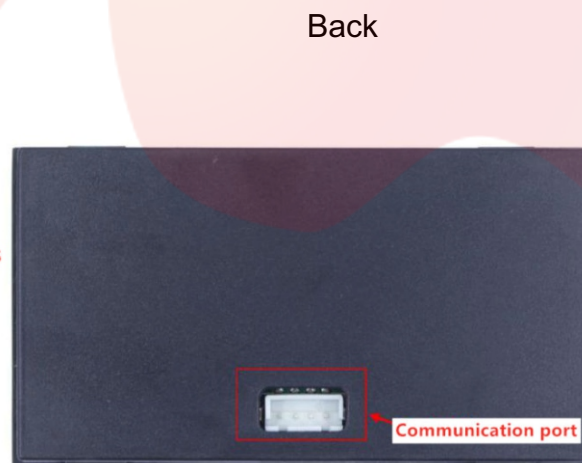


Figure 1-2

~~Chapter 2~~ Product Wiring Diagram

2.1 Foot position definition

As shown in the figure:

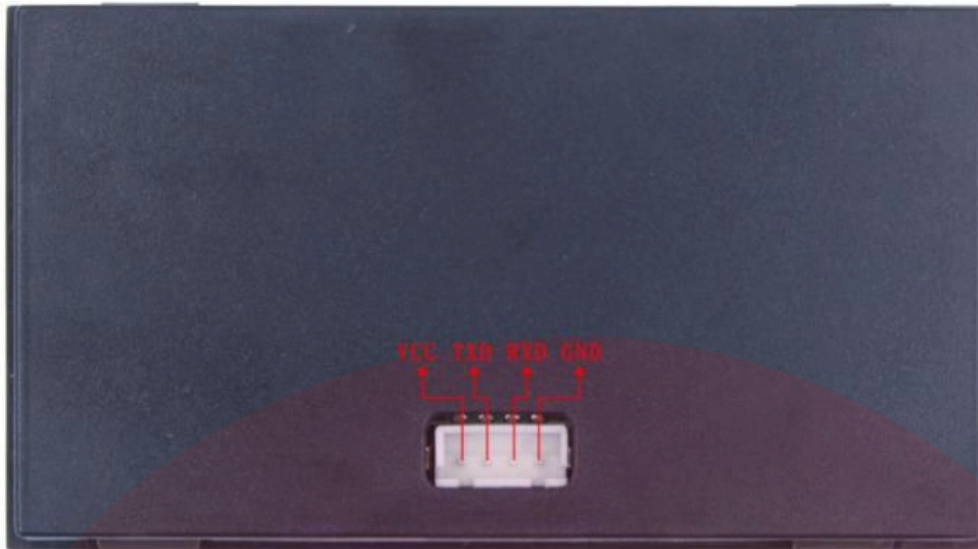


Figure 2-1

2.2 Connection with PLC:

2.2. 1 One is TTL direct connection (We have special PLC directly equipped with such wires, which can be directly connected, as shown in the figure below);

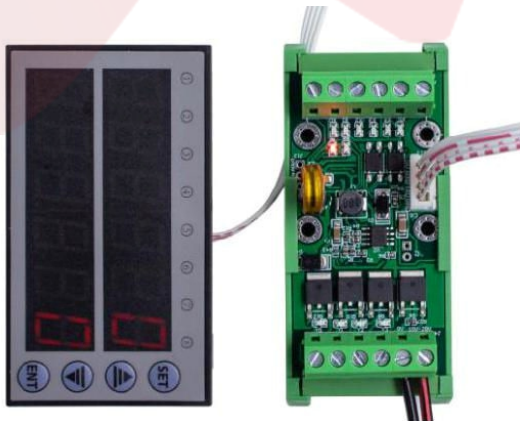


Figure 2-2



Figure 2-3

2.2.2 The another one is to connect with 232, which is common for many PLC on the market. A 3.3-5v power cord needs to be connected to the VCC. As long as it not conflict with the function pin on the original version, it can be freely defined. The sequence of the other three lines is as follows:

TXD (Display Text)-2 (PLC)

RXD (Display Text)-3 (PLC)

GND (Display Text)-5 (PLC)

WISN FX1N-20MR , for example, as shown in the figure:

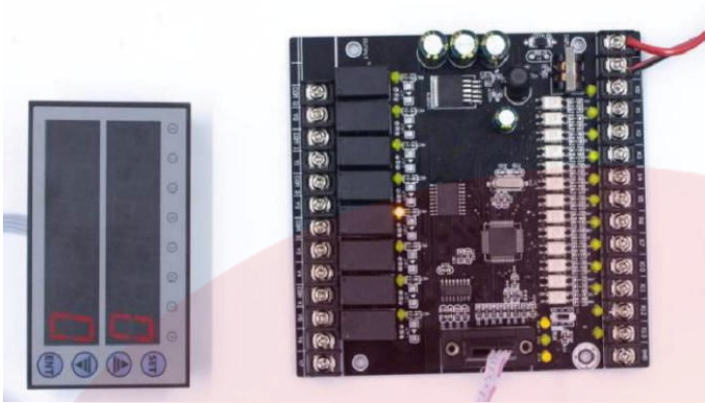


Figure 2-4

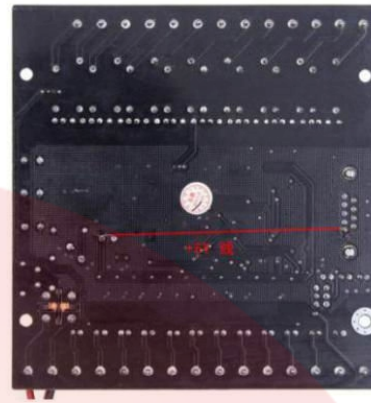


Figure 2-5

Chapter 3 Operation Of Product

3.1 Modify the value of the D register

- 【 1】 Under normal mode, press SET key for 5 seconds until the character on the flash bit, and the current value can be modified.
- 【2】 Press UP to increase the value of D register, press the value for a long time to increase rapidly, and intermittent press the value to increase slowly;
Press DOWN to reduce the value of the D register. The long press value decreases rapidly, while the intermittent press value decreases slowly.
- 【 3】 Press ENT to set the first bit and repeat [2] operation to set the second, press ENT again, modify and exit.



Figure 3-1

3.2 Modify the address of display D register

- 【1】 After power on, the values of D110 and D114 will be displayed and modified by default which can be set to display and modify the values of other registers
- 【2】 Operation steps: Press and hold the SET key and ENT key first, then power on, and keep holding for more than 3 seconds to enter the setting register mode. The upper digital tube corresponds to D110 and the lower digital tube corresponds to D114.



Figure 3-2

- 【3】 Press SET key to modify the address of the display D register. Press UP and DOWN to change the register address. After the modification of the upper digital tube, press ENT to switch and modify the lower digital tube. Press ENT to confirm after the modification is completed (now the register is modified to upper digital tube D116 and lower digital tube D118)



Figure 3-3



Figure 3-4

Chapter 4 The Example Of Occupying Resources By Simple Text PLC

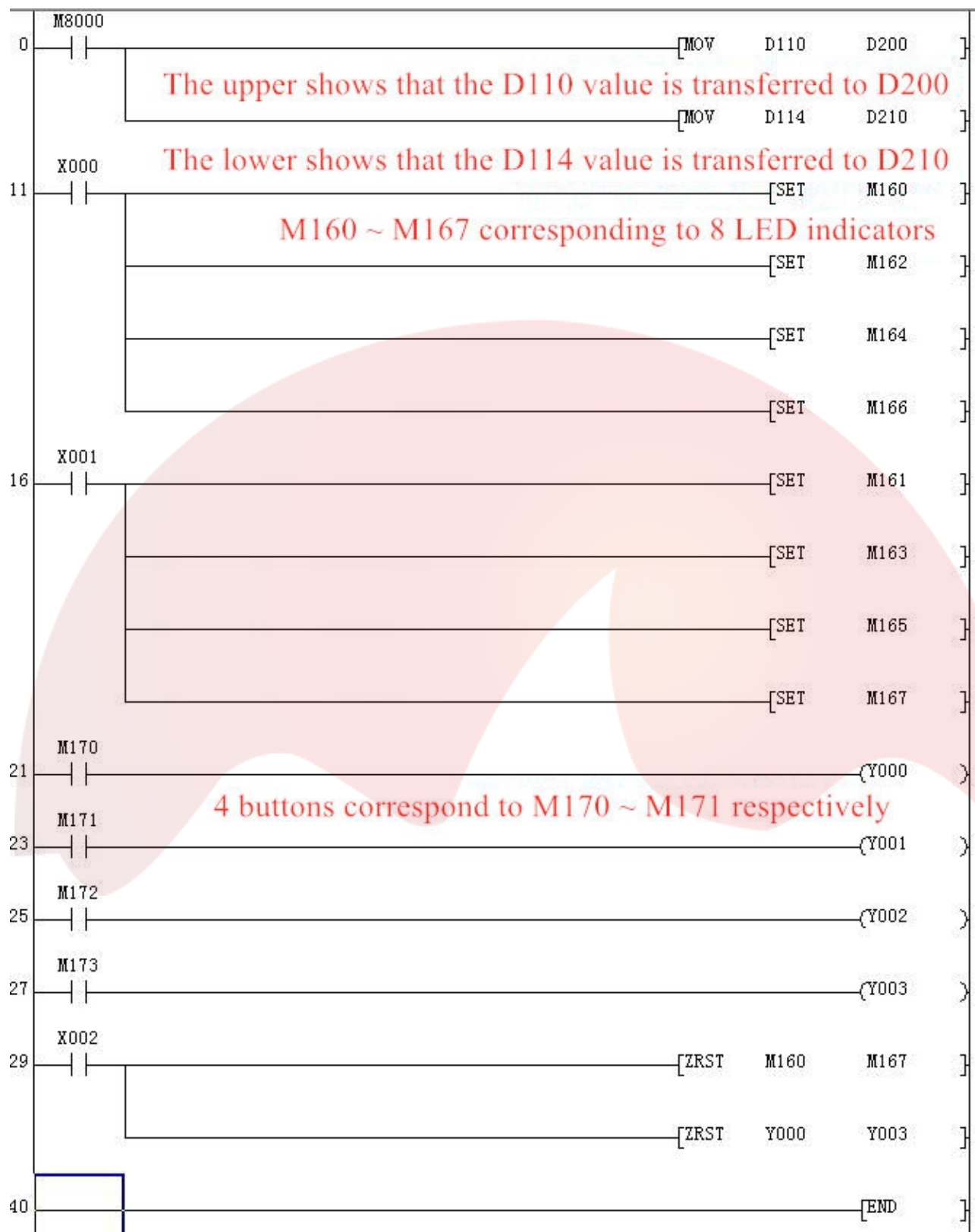


Figure 4-1

Chapter 5 Other Instructions Of PLC

Project		PLC internal intermediate register	Remarks
Key	SET	M170	When the key (such as SET) is pressed, the corresponding PLC internal intermediate relay (such as M170) is closed. When the key is released, the corresponding PLC internal relay is disconnected
	UP	M171	
	DOWN	M172	
	ENT	M173	
LED indicator light	0	M160	When the internal intermediate relay (such as M160) is closed, the corresponding indicator light will be on (such as 0); when the internal intermediate relay is disconnected, the corresponding indicator light will be off
	1	M161	
	2	M162	
	3	M163	
	4	M164	
	5	M165	
	6	M166	
	7	M167	
Upper digital tube	0-999999	D110	When the value of internal data register D110 is always displayed under main mode, the number of the data register to be changed displayed when setting the parameter mode (the range can be changed is 0 ~ 1023)
Lower digital tube	0-999999	D114	When the value of internal data register D114 is always displayed under main mode, the number of the data register to be changed displayed when setting the parameter mode (the range can be changed is 0 ~ 1023)

Table 5-1

Chapter 6 Common Faults

When PLC does not respond, display shows "NO PLC"

A. Please check whether the PLC baud rate is 9600;

B. Please check whether the electrical connection is normal or whether the sequence is correct.