

FX3U-30MR 6AD 2DA PLC FX3U Compatible **Programmable Logic Controller 16DI 14DO 6AI 2AO**

Features:

Inputs and Outputs: The PLC provides 16 digital inputs and 14 relay outputs, offering extensive connectivity options.

Analog Inputs: Includes 6 analog inputs, with 3 channels operating in the 0-10V range and 3 channels in the 0-20mA range.

Analog Outputs: Features 2 analog outputs operating in the 0-10V range, allowing for precise control of analog devices.

High-Speed Inputs: Offers X0-X5 high-speed inputs compatible with three AB encoders, with a default frequency of 12K.

Power-Down Maintenance: Allows for customizable power-down maintenance settings.

Power Supply: Operates on a DC 24V power supply.

AB Input: Supports 3-way AB input for enhanced flexibility.

Encryption Support: Provides support for 16-bit encryption for secure operations.

Interrupt Support: Supports three types of interrupts for efficient programming.

Communication: Supports 485 communication with 4 different communication protocols.

Instruction Support: Includes support for 1N, 2N, and 3U instructions, enhancing programming versatility.

Program Capacity: Allows for programs with up to 8,000 steps, accommodating complex control logic.

Download Speed: Offers a fast download speed of 38,400 bps for quick program transfers.

Floating-Point Operations: Supports floating-point operations for advanced mathematical calculations.

HMI Connection: Allows for easy connection to a Human Machine Interface (HMI) for convenient monitoring and control.

Fast Scanning: Scans up to 3000 steps in just 1 millisecond for efficient performance.

Experience the flexibility and efficiency of the FX3U PLC, equipped with a wide range of inputs and outputs, analog capabilities, high-speed inputs, communication options, advanced instructions, program capacity, fast download speed, and HMI compatibility. With its powerful features, the FX3U PLC is an ideal solution for a variety of industrial automation applications.

Software: GX-Developer/GX Works2

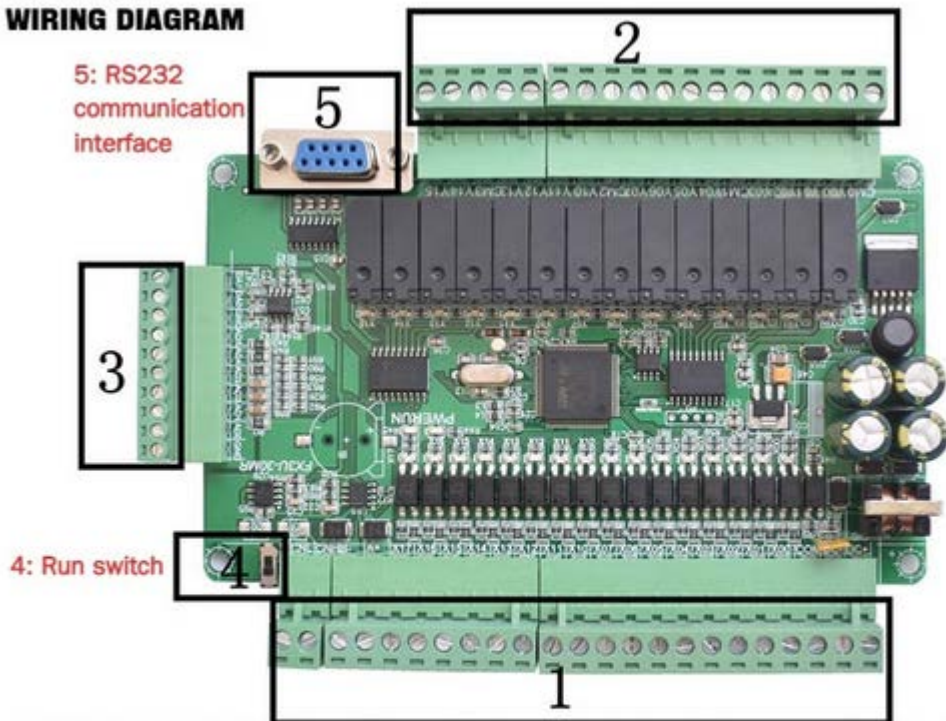
Programming Cable : USB to Serial cable

Specifications:

Model	FX3U-30MR
Input Voltage:	DC24V
Program Steps	8000 steps:2 communication port:one RS232 (DB9 serial communication port is FX3u, protocol 38400,7,E,1; one RS485 port(4 kinds of communication protocol can be set through D8120)
Input Point X Component	X0-X17, DC24 input, low level effectively.X0-5 high- counting input port
Output Point Y component	Y0~Y15 Relay output. Maximum current is 5A.
Analog Input	6 channels analog input, 12-bit ; 3-channel 0~10V+3-channel 0~20mA, read with RD3A
Analog Output	2 channels analog output, 12-bit , output voltage:0-10V. Output analog voltage with WR3A
Intermediate Relay M	M0-M3071, power-off save range can be set M0-M1023, the default M500-M1023
Stepping Point S	S0-1023, power-off save range can be set S0-S1023, the default S500-S1023
100Ms Timer	T0-T199, accumulative power-off save T184-T199
10Ms Timer	T200-T249, accumulative power-off save T246-T249
1Ms Timer	T250-T383, T250-255 is accumulated type
16-bit Counter	C0-C199, power-off save C100-199
32-bit Counter	C200-C219, power-off save C220-C234

32-bit High-Counter	C235-255; C235-240 is single-phase counter, no frequency multiplication; C241-240 is single-phase counter, 2 frequency multiplication; C247-249 is double-phase counter, no frequency multiplication; C250-252 is double-phase counter, 2 frequency multiplication; C253-255 is double-phase counter, 4 frequency multiplication.
Register D	D0-D7999, power-off save range can be set D0-7999
Indirect Addressing Pointer V, Z	V0-7,Z0-7
P Subroutine	P0-63
I Interrupt	X0-5 external interrupt. Timer Interrupt (1ms is unit). Counter interrupt.
Special M Component	M8000 is normally during operation, M8002 power-on pulse, M8011 is 10Ms pulse, M8012 is 100Ms pulse, M8013 is 1s pulse, M8014 is minute pulse.

**FX3U-30MR
WIRING DIAGRAM**



1: DC+ is connected to the positive pole of DC 24V, and DC- is connected to the negative pole. COM is the common terminal of the switch group, X000-X017 is the input of the switch group. A+.B-RS485 interface.

2: COMO is the common terminal of Y0-Y3. COM1 is the common terminal of Y4-Y7, COM2 is the common terminal of Y10-Y13, COM3 is the common terminal of Y14-Y5

3: DA0-DA1 [2-way analog output (voltage 0-10V)] , AD0-AD2 [3-way analog input (voltage 0-10V)] , AD3-AD5 [3-way analog input (current 0-20mA)]).

Usb to Serial programming cable

