

## Mitsubishi FX3U Ethernet

### HMI Factory Setting:

Controller IP Address: 192.168.0.1

Controller Ethernet Port: 5556

Controller Station Number: 0

Control Area / Status Area: D0/D10

Applicable models: DOP-B / DOP-W / DOP-H / HMC series · DOP-100

### Connection

Standard Jumper Cable / Network Cable without jumper (Auto-detected by HMI)

### Definition of PLC Read/Write Address

#### a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Auxiliary Relay	Mn	M0 - M7664	Word	<a href="#">1</a>
Special Auxiliary Relay	Mn	M8000 - M8496	Word	<a href="#">1</a>
Status Relay	Sn	S0 - S4080	Word	<a href="#">1</a>
Input Relay	Xn	X0 - X360	Word	Octal, <a href="#">1</a>
Output Relay	Yn	Y0 - Y360	Word	Octal, <a href="#">1</a>
Timer PV	Tn	T0 - T511	Word	
16-bit Counter PV	Cn	C0 - C199	Word	
32-bit Counter PV	Cn	C200 - C255	Double Word	
Data Register	Dn	D0 - D7999	Word	
Special Data Register	Dn	D8000 - D8511	Word	
Extension Register	Rn	R0 - R32767	Word	

#### b. Contacts

Type	Format	Read/Write Range	Note
	Bit No. (b)		
Auxiliary Relay	Mb	M0 - M7679	
Special Auxiliary Relay	Mb	M8000 - M8511	
Status Relay	Sb	S0 - S4095	
Input Relay	Xb	X0 - X377	Octal
Output Relay	Yb	Y0 - Y377	Octal
Timer Flag	Tb	T0 - T511	

Counter Flag	Cb	C0 - C255	
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- 1) The device address must be the multiple of 16.
- 2) Controller provides two protocols to connect with Mitsubishi FX3U through Ethernet, there are MC Protocol and MELSOFT Protocol. It can be selected in DOPSoft → Communication Setting → Mitsubishi FX3U Ethernet Controller→ Extra. 1 of Extra tab. Default is MELSOFT Protocol.

When use MELSOFT Protocol, port number is fixed 5556, when use MC Protocol will use user specified port number. For more detailed information regarding the setting method, please refers to Mitsubishi PLC User Manual.

