

# Yokogawa FA-M3 (Ethernet)

FA-M3 CPU SP35-5N, SP55-5N with F3LE01-5T/F3LE11-0T Ethernet module.

<http://www.yokogawa.com/itc/itc-index-en.htm>

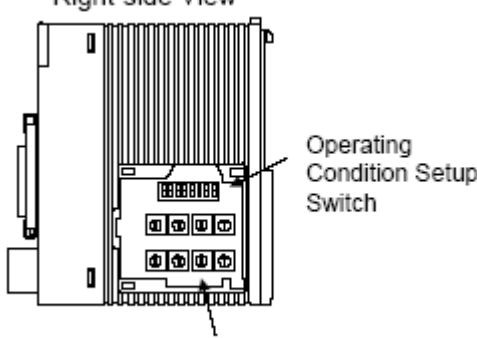
## HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	Yokogawa FA-M3 (Ethernet)		
Com port	Ethernet		
TCP port no.	12289		
HMI Station No.	0		
PLC Station No.	1		

## PLC Setting:

Communication mode	<b>Set IP Address</b> <b>Set all condition setup switch OFF.</b>
--------------------	---

Right-side View



Operating Condition Setup Switch

IP Address Setup Switch

Example: Setting the IP address to 192.168.250.210

Hexa decimal	C0 ↑	A8 ↑	FA ↑
Decimal	192	168	250

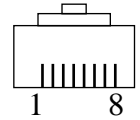
## Device address:

Bit/Word	Device Type	Format	Range	Memo
B	X	ddd	201-71664(discontinuous)	
B	Y	ddd	201-71664(discontinuous)	
B	I	ddd	1-16384	
B	L	ddd	1-71024(discontinuous)	
B	M	ddd	1-9984	
W	D	ddd	1-8192	
W	B	ddd	1-32768	
W	V	ddd	1-64	
W	W	ddd	1-71024(discontinuous)	
W	Z	ddd	1-512	

# Wiring diagram:

Ethernet:

MT8000 Ethernet RJ45			Ethernet Hub or Switch RJ45		
		Wire color			
1	TX+	White/Orange	1	RX+	
2	TX-	Orange	2	RX-	
3	RX+	White/Green	3	TX+	
4	BD4+	Blue	4	BD4+	
5	BD4-	White/Blue	5	BD4-	
6	RX-	Green	6	TX-	
7	BD3+	White/Brown	7	BD3+	
8	BD3-	Brown	8	BD3-	



RJ45 connector

Ethernet: Direct connect (crossover cable)

MT8000 Ethernet RJ45			FA-M3 Ethernet module RJ45		
		Wire color			
1	TX+	White/Orange	3	RX+	
2	TX-	Orange	6	RX-	
3	RX+	White/Green	1	TX+	
4	BD4+	Blue	4	BD4+	
5	BD4-	White/Blue	5	BD4-	
6	RX-	Green	2	TX-	
7	BD3+	White/Brown	7	BD3+	
8	BD3-	Brown	8	BD3-	