

FATEK FB Series

FATEK FBs series, FB MC series.

FB MA series need FB-DTBR converter.

<http://www.fatek.com/>

HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	FATEK FB Series		
Com port	RS232	RS232/RS485/Ethernet	Must match the PLC's port setting.
Baud rate	9600		Must match the PLC's port setting.
Parity bit	Even		Must match the PLC's port setting.
Data Bits	7		
Stop Bits	1		
HMI Station No.	0		Does not apply to this protocol.
PLC Station No.	1	0-255	Must match the PLC's port setting.

PLC Setting:

Communication mode	
Select	

Device address:

Bit/Word	Device Type	Format	Range	Memo
B	X	dddd	dddd : 0~9999	Input
B	Y	dddd	dddd : 0~9999	Output
B	M	dddd	dddd : 0~9999	Internal Relay
B	S	dddd	dddd : 0~9999	Step Relay
B	T	dddd	dddd : 0~9999	Timer
B	C	dddd	dddd : 0~9999	Counter
B	PLC_MODE	d	d : 0	PLC mode
W	R	dddd	dddd : 0~9999	Data Register
W	D	dddd	dddd : 0~9999	Data Register
W	RT	dddd	dddd : 0~9999	Timer Register
W	RC	dddd	dddd : 0~9999	Counter Register
W	DRT	dddd	dddd : 0~9999	Double word Timer Register
W	DRC	ddd	ddd : 200~255	Double word Counter Register
W	WX	dddd	dddd : 0~9999	Input word
W	WY	dddd	dddd : 0~9999	Output word
W	WM	dddd	dddd : 0~9999	Internal Relay word

Wiring diagram:

1. RS232: FBs Port0

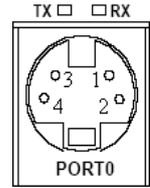
MT8000 RS232

COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

FBs

4P Mini-Din Male

4 RX
3 TX
2 GND



4P Mini-Din Female

2. RS232: FBs communication module

MT8000 RS232

COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

FBs communication module

9P D-SUB Male

3 RX
2 TX
5 GND

3. RS485: FBs communication module

MT8000 RS-485] 2w

COM1	COM3
1 RX-	6 Data-
2 RX+	9 Data+

FBs communication module

3P Terminal Block

D-
D+

4. RS232: CPU port

MT8000 RS232

COM1	COM2	COM3
3 TX	4 TX	7 TX
2 RX	6 RX	8 RX
5 GND	5 GND	5 GND

FB CPU port

15P D-SUB Male

1 RX
2 TX
6 GND
3 RTS
4 CTS

5. RS485: CPU port

MT8000 RS-485 2w

COM1	COM3
1 RX-	6 Data-
2 RX+	9 Data+

FB CPU port

15P D-SUB Male

7 D-
5 D+