

Mitsubishi FX232/485BD

Supported Series: Mitsubishi FX0N/FX2/FX2N COM for Communication Module BD
FX2N-485-BD, FX2N-232-BD, FX1N-485-BD, FX1N-232-BD, FX3U-485-ADP/BD..

Website: <http://www.mitsubishi-automation.com>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Mitsubishi FX232/485BD		
PLC I/F	RS232/RS485	RS232/RS485 2w/4w	in accordance with the BD module
Baud rate	19200	9600/19200/38400	
Data bits	7	7,8	
Parity	Even	Even, Odd, None	
Stop bits	1	1,2	
PLC sta. no.	1	0-15	

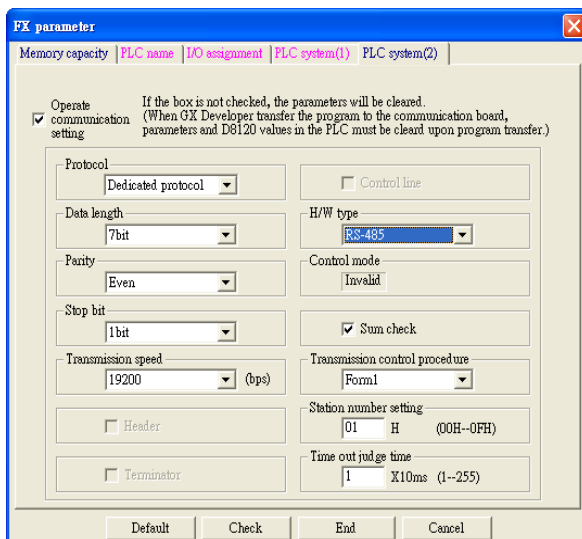
Note: It is recommended to set turn around delay to 8. (For RS485 2W)

Online simulator	YES	Extend address mode	YES
Pass-Through	No		

PLC Setting:

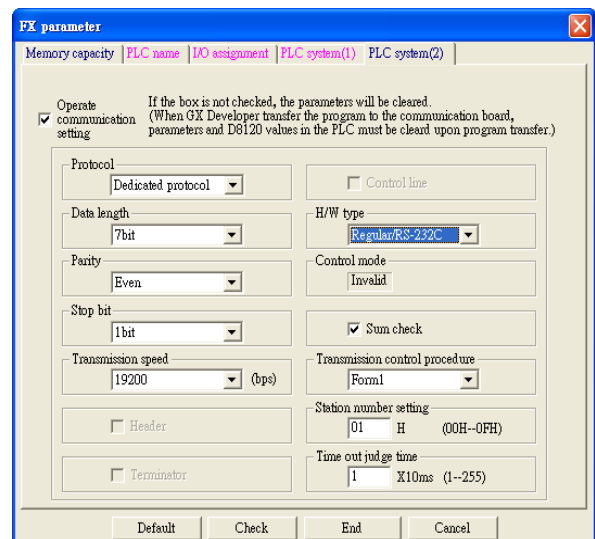
Communication mode	Must set PLC station when using BD Module.
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Register D8120 setting: set b9 and b8 of BFM#0 to 0.



FX parameter dialog box for FX2N-485-BD, FX1N-485-BD. The 'PLC name' tab is selected. The 'Operate communication setting' checkbox is checked. The 'Protocol' is set to 'Dedicated protocol'. The 'Data length' is set to '7bit'. The 'Parity' is set to 'Even'. The 'Stop bit' is set to '1bit'. The 'Transmission speed' is set to '19200 (bps)'. The 'H/W type' is set to 'RS-485'. The 'Control mode' is set to 'Invalid'. The 'Sum check' checkbox is checked. The 'Transmission control procedure' is set to 'Form1'. The 'Station number setting' is set to '01 H (00H-0FH)'. The 'Time out judge time' is set to '1 X10ms (1-255)'. The 'Header' and 'Terminator' checkboxes are unchecked. The 'Default', 'Check', 'End', and 'Cancel' buttons are at the bottom.

FX2N-485-BD, FX1N-485-BD



FX parameter dialog box for FX2N-232-BD, FX1N-232-BD. The 'PLC name' tab is selected. The 'Operate communication setting' checkbox is checked. The 'Protocol' is set to 'Dedicated protocol'. The 'Data length' is set to '7bit'. The 'Parity' is set to 'Even'. The 'Stop bit' is set to '1bit'. The 'Transmission speed' is set to '19200 (bps)'. The 'H/W type' is set to 'Regular/RS-232C'. The 'Control mode' is set to 'Invalid'. The 'Sum check' checkbox is checked. The 'Transmission control procedure' is set to 'Form1'. The 'Station number setting' is set to '01 H (00H-0FH)'. The 'Time out judge time' is set to '1 X10ms (1-255)'. The 'Header' and 'Terminator' checkboxes are unchecked. The 'Default', 'Check', 'End', and 'Cancel' buttons are at the bottom.

FX2N-232-BD, FX1N-232-BD

Device Address:

Bit/Word	Device type	Format	Range	Memo
B	X	OOO	0 ~ 377	Input Relay
B	Y	OOO	0 ~ 377	Output Relay
B	M	DDDD	0 ~ 7999	Auxiliary Relay
B	T	DDD	0 ~ 511	Timer Relay
B	C	DDD	0 ~ 255	Counter Relay
B	SM	DDDD	8000 ~ 9999	Special Auxiliary Relay
B	D_Bit	DDDDh	0 ~ 7999f	Data Register Bit
B	S	DDDD	0 ~ 4095	State Relay
W	TV	DDD	0 ~ 511	Timer Memory
W	CV	DDD	0 ~ 199	Counter Memory
W	D	DDDD	0 ~ 7999	Data Register
W	CV2	DDD	200 ~ 255	Counter Memory(D Word)
W	SD	DDDD	8000 ~ 9999	Special Data Register
W	R	DDDDD	0 ~ 32767	Extended Register

Wiring Diagram:

Communication Module RS232-BD

Diagram 1

RS-232

The serial port pin assignments may vary between HMI models, please click the following link for more information.



Communication Module RS485BD

Diagram 2

RS-485 4W

The serial port pin assignments may vary between HMI models, please click the following link for more information.



Communication Module RS485BD

Diagram 3**RS-485 2W**

The serial port pin assignments may vary between HMI models, please click the following link for more information.

