

Mitsubishi FX2N

Supported Series: Mitsubishi FX2N series PLC

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

HMI Setting:

| Parameters | Recommended | Options | Notes |
|--------------|-----------------|-----------------------------------|-------|
| PLC type | Mitsubishi FX2N | | |
| PLC I/F | RS485 4W | RS232/RS485 | |
| Baud rate | 19200 | 9600/19200/38400 /57600/115200 | |
| Data bits | 7 | | |
| Parity | Even | | |
| Stop bits | 1 | | |
| PLC sta. no. | 0 | | |

| | | | |
|------------------|-----|---------------------|----|
| Online simulator | YES | Extend address mode | NO |
|------------------|-----|---------------------|----|

*Support communications between HMI and PLC in pass-through mode

*Set LW-9903 to 2 to enhance the speed of download/upload PLC program in pass-through mode

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 ~ 255 | Timer Relay |
| B | C | DDD | 0 ~ 255 | Counter Relay |
| B | SM | DDDD | 8000 ~ 9999 | Special Auxiliary Relay |
| B | D_Bit | DDDDdd | 0 ~ 799915 | Data Register Bit (D) |
| B | S | DDDD | 0 ~ 4095 | State Relay (S) |
| W | TV | DDD | 0 ~ 255 | Timer Memory |
| W | CV | DDD | 0 ~ 199 | Counter Memory |
| W | D | DDDD | 0 ~ 7999 | Data Register |
| DW | CV2 | DDD | 200 ~ 255 | Counter Memory(D Word) |
| W | SD | DDDD | 8000 ~ 9999 | Special Data Register |

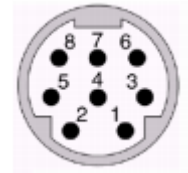
Wiring Diagram:

Diagram 1

RS-485 4W (RS422 Port 8P Mini-Din Male)

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

The following is the view from the soldering point of a connector.



| HMI | | PLC |
|-----------------------------|----|-----------------------------------|
| <u>Link</u> | | RS422 Port 8P Mini-Din Male |
| Rx- | ←→ | 4 |
| RX+ | ←→ | 7 |
| Tx- | ←→ | 1 |
| Tx+ | ←→ | 2 |
| GND | ←→ | 3 |