

Modbus RTU Extend

HMI Setting:

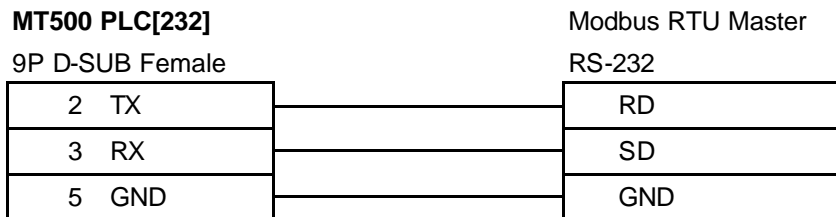
PLC type	Modbus RTU Extend V3
Com port setting	RS232/RS485(4W)/RS485(2W),(refer to PLC)
HMI Node number	0 (no use)
PLC Node number	1 (refer to PLC)
Parameter 0	0 to 1000 Not work for simulation mode HMI will delay (#+1) millisecond before sending command to PLC. Some slow PLC have to setting this parameter

PLC Setting:

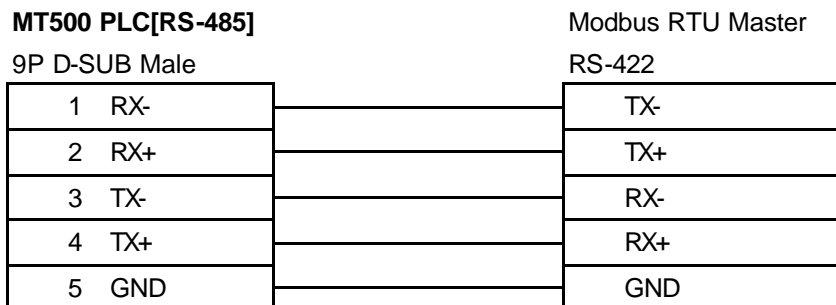
Communication mode	9600,E, 8, 1(default)

Wiring diagram:

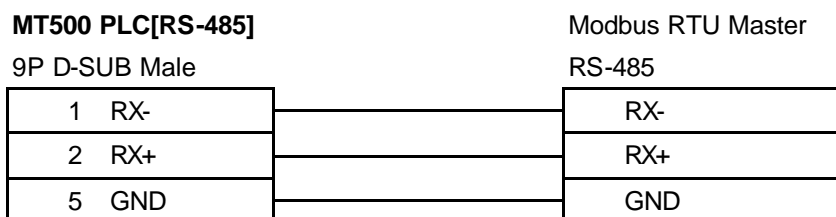
RS232



RS485 4W(RS422)



RS485 2W



Device address:

Bit/Word	Device Type	Format	Range	Memo
B	1x	ddd	1-9999	Output bit
B	0x	ddd	1-9999	Input bit
B	4x_bit	ddd(dd)	100-999915	Output Register bit
W	3x	ddd	1-9999	Input Register
W	4x	ddd	1-9999	Output Register
W	5x	ddd	1-9998	

NOTE:

Address type “5x” are mapping to Hold Reg. The communication protocol of 5x almost same as “4x” except “5x”making double word swap.

For example,

If 4x have following information

Address	1	2	3	4	5	6	...
Data in word	0x1	0x2	0x3	0x4	0x5	0x6	
Data	0x20001		0x40003		0x60005		

For 5x,it become

Address	1	2	3	4	5	6	...
Data in word	0x2	0x1	0x4	0x3	0x6	0x5	
Data	0x10002		0x30004		0x50006		