Modbus nW RTU / ASCII (Master)

HMI Factory Setting:

Baud rate: 9600, 7, Even, 1.(ASCII); 9600, 8, Even, 1.(RTU)

Controller Station Number: 1(Note1)

Control Area / Status Area: W40100 / W40200

Connection

Please refer to "Pin Definition of Serial Communication" for more detail.

Definition of PLC Read/Write Address

a. Registers

Type	Format Word No. (n)	Read/Write Range	Data Length	Note
Output Registers	Wn	W40001 – W50000	Word	
Input Registers	Wn	W30001 – W40000	Word	

b. Contacts

Type	Format Bit No. (b)	Read/Write Range	Note
Discrete Outputs	Bb	B1 – B10000	
Discrete Inputs	Bb	B10001 – B20000	

NOTE

1) This communication protocol does not support station 0 (the broadcast function).

2) To attain optimize reading, please ensure the "Optimize" option is selected in communication setting. Do not select "Data Length Limit" if "Optimize" option is not selected,

3) 984RTU(Master) is Modbus standard communication programming; RTU nW(master) is special communication programming, they are same except following three divergence.

   a. Broadcast

      i. 984RTU(Master), Controller Station Number 0 is broadcast.

ii.   RTU nW(Master) is no broadcast, Controller Station Number 0 is normal station.

b. Register Input

i.   984RTU(Master) has two inputted command, single inputted command(0x06) or a multiple inputted command (0x10).

ii.   RTU nW(Master) only has one inputted command(0x10).

c. Contacts output

i.   984RTU(Master) only got one contact for once communication.

ii.   RTU nW(Master) only got 16 contacts for once communication.，it is special specification.