Modbus RTU / ASCII (Slave)

HMI Factory Setting:

Baud rate: 9600, 7, Even, 1 (ASCII); 9600, 8, Even, 1 (RTU) Controller Station Number: 1 (No function) 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

Туре	Format	Read/Write Range	Data Length	Note
туре	Word No. (n)			
Output Registers	Wn	W 40001 - W 50000	Word	<u>2</u>

b. Contacts

Turne	Format	Dood /W/rite Dongo	Note
Туре	Bit No. (b)	Read/Write Range	Note
Discrete Outputs	B b	B 1 - B 2048	2

1) When using this communication protocol, HMI station number is the Slave station number (default setting is 0).

Add Move Up	Communication P HMI Station	0
Delete Move Down	Interface	RS232
У сомі	Data Bits	
□	Stop Bits	7 Bits
Base Port	Baud Rate	9600
C Ethernet	Parity	Even 🖌
	Controller Password PLC Station Comm. Delay Timeout(ms) Retry Count	ASCII (Slave) 12345678 1 0 300 3
		Size Limit
Communication Interrupt	1 [_ los Brinner	- Jorgo Fattar

2) Relationship between Modbus address HMI register:

Modbus Address	Modbus 6 Digits Address	Definition of Internal Registers in HMI		
W40001 - W41024	W4- 00001 - W4- 01024	\rightarrow	\$ 0 - \$ 1023	Internal register
W42001 - W43024	W4- 02001 - W4- 00001	\rightarrow	\$M 0 - \$M 1023	Non-volatile internal register
W 44001	W4 -04001	\rightarrow	RCPNO	Receipt number register
W 45001	W4 –05001	\rightarrow	RCP 0 – RCP n	Receipt register
B 00001 - B 01024	BO -00001 - BO -01024	\rightarrow	\$ 2000.0 - \$ 2063.15	Internal register (Bit)
B 01025 - B 02048	B0 –01025 – B0 –02048	\rightarrow	\$M 200.0 - \$M 263.15	Non-volatile internal register (Bit)

For example, to read HMI internal memory \$0, the Modbus address is W40001 and HMI will save W40001; to read non-volatile internal register \$M200.1, then the Modbus address is B01026 and so on.