7. How to set the output and register value of xLogic CPU via ELC-MD204I ?

Communication parameter configuration in TP200 software(ELC-Md204L config soft).

PLC selection:

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File(P) Edit(E) View(V) Tools(T) Components(P) Help(H)	
Window Description PLC Selection PLC Type: Modbus KIU Communication Parameter Delay: Baud rate: 9600 Y Data bits: 8 Stop bits: 1 Parity: DNE Type: 232	
Ready No protocol	345

A. Read input status

Input status setting (I1)

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B .Read current value of registers including REGs(current value of blocks), AI(analog input values), AM ,AF(analog flags), AQ(analog output values).

REG0 (register 1)

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Window Description I I I Register Position Style Igit Image: Style Igit Digit Image: Style Image: Style Igit Image: Style Image: Style Image: Sty	
Modbus RTU 15	Canit

C. Read output status (M, F status also can be read in the same way!)

Q1 status

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Window Description II REGO Q1 SET Q2 I2345 Image: Station No: Station No: Y: 32 Address: Style Display Double Shape Round Logic Positive V
Ready Modbus RTV. 15 Cavita

D.Change the output status via ELC-MD204's panel key.(Digital flag-F status also can be set in the same way)

Change Q2 status via the button *Left* of HMI (Note: the output block/F block cannot take part in the logic of xLogic program ,that means the input pin cannot be linked with other blocks while programming ,just like following figure shows ,Q2 and F1 can be set via Master(ELC-MD204L) ,however Q1 can not be set via Master).



🛓 TP200 software - New file
File (F) Edit (E) View (V) Tools (T) Components (P) Help (H)
Window Description I I <
Function Key Position V:148 Key Right Y:32 Set Coil Jump to Set Register Style Coil Double Sta.: Addr 2 Reverse ON
Ready Modbus RTU. 15

E. Set register value via ELC-MD204L.

Note: Register value means the current value of the block , it's not the parameter value in the dialog box.Next let's take a counter as example

	Parameter Comment	
EG0 $em = Off+$ $n=0+$ $f=0$ $tart=0$	11] Block name: On Threshold Off Threshold Start Value Reference Reference Reference	
	OK Cancel	Help

The REG0 value is to show the current counter value of the block (B001) , it's not the value of "On Threshold"/"Off Threshold".

Hereunder we take an example to show you how to set the "On Threshold"/"Off Threshold" Value.

We first shall make a programme in the xLogicsoft ,we can use the "reference" function and set AQ1 and AQ2 value and indirectly to change the

"On Threshold"/"Off Threshold" value.



Set AQ1 (the address configured in the below figure is for economic/ standard ELC-18)value via ELC-MD204L(AQ also can be replaced by AF in above figure)

Below is configuration in the ELC-MD204L software

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Window Description Image: Set AQ1 Image: Set AQ1 <t< th=""></t<>
Ready Modbus RTV. 15

Set AQ2 value via ELC-MD204L

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Window Description 1 Set AQ2 12345 Set Property Position Style Nife Double Digit 5 Mode: OHEX/BCD V:28 \$ Reverse Decimal \$ Digit 5 \$ Mode: OBCC Station: 1 \$ Type & YSet Max Input: D5535 \$ Register Station: 1 \$ Type & YSet Max Input: D5535 \$ Address \$ Address \$ Address \$ Driginal Max: D5535 \$ Address \$ Address \$ Driginal Max: D5535 \$ Driginal Max:
Ready Modbus RTU. 15

Note: Refer to the" Modbus communication instruction" file for the register address.

8. If xLogic CPU shall be required to serve as master in modbus/RS485 communication network, how to make it ?

You need refer to the instruction of "Modbus Read" and "Modbus Write" function blocks in user manual or the help file of xLogicsoft .