Function Block

Reference	MX2_SetParam
Revision	1.0
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+ Support	http://support-omron.fr/

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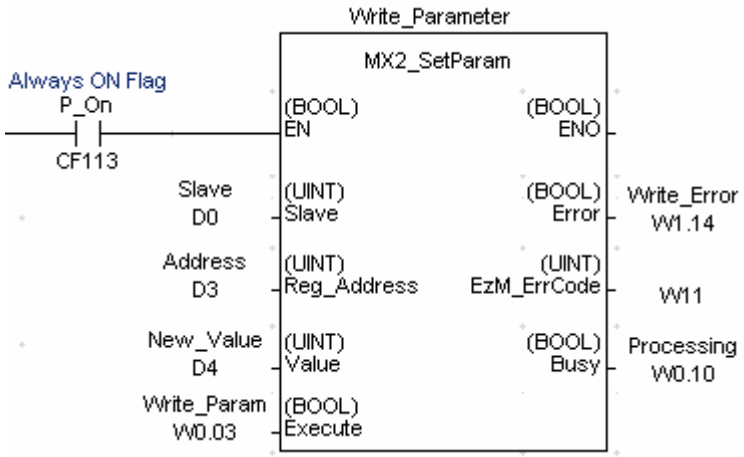
Function Block MX2 SetParam

Function	Write MX2 parameter via Modbus RTU (using Easy-Master)
Symbol	
File	MX2_SetParam.cxf
Applicable models	CPU : CP1H, CP1L-L, CP1L-M
Conditions for use	MX2_Monitor use the Easy-Master function available on : CP1H : serial port n°2 (**right side**) CP1L-M : serial port n°2 (**right side**) CP1L-L : unique port
Function description	MX2_SetParam allow to set parameters in MX2 inverter using the Esay-Master Modbus RTU function. Control and monitoring could be executed using function Block MX2_Monitor.cxf. Samples projects interfacing HMI with FBs are available: MX2_Monitor_NS and MX2_Monitor_NQ
EN input condition	Connect the EN input to the Always ON flag (P_On)
Configuration	CP1 configuration: Serial port should be set to Serial Gateway Mode (MX2 default: 9600, 8, n, 1). SW in front of the PLC must be set to OFF (User configuration). CP1H: switch 5 CP1L-M: switch 5 CP1L: switch 4 MX2 parameter: A001 = 0003 Frequency source set using Modbus. A002 = 0003 Run Mode source set using Modbus

Input variables

Name	type	Range	Description
Slave	UINT	1 to 247	MX2 Slave number
Reg_Address	UINT	0 to FFFF	Address of MX2 Holding Register (Pay attention to the shifted address of 1)
Value	UINT	0 to FFFF	New value
Execute	Boolean	OFF, ON	Write the parameter

Output variables

Name	type	Range	Description
ENO	Boolean	OFF, ON	Not used
Error	Boolean	OFF, ON	Error occurred
EzM_ErrCode	UINT	0000 to FFFF	Error Code returned by the EasyMaster function: 01: Slave address out of range 02: illegal function code 03: data length overflow 04: Serial mode not set to 'Serial Gateway' 80: response Timeout 82: framing error 83: overrun error 84: CRC error 85: incorrect slave address in the response 86: incorrect function code in the response 87: response size overflow 88: exception response 89: service being executed 8F: other error
Busy	Boolean	OFF, ON	Communication in progress

Wiring: