

Modbus Register – MPIO Module

Function Code Coil Based

Modbus Register	Start Address (0 based)	Function Code	Size	R/W	Description
Digital Output	0	0x01, 0x05, 0x0f	4 bit	R/W	4 Channel Digital Output <ul style="list-style-type: none"> • Bit 0: Digital Output port 1 • Bit 1: Digital Output port 2 • Bit 2: Digital Output port 3 • Bit 3: Digital Output port 4
Digital Input	48	0x02	4 bit	R	4 Channel Digital Input <ul style="list-style-type: none"> • Bit 0: Digital Input port 1 • Bit 1: Digital Input port 2 • Bit 2: Digital Input port 3 • Bit 3: Digital Output port 4

Function Code Register Based

Modbus Register	Start Address (0 based)	Function Code	Size	R/W	Description
Digital Output	0	0x03, 0x04, 0x06, 0x10	1 WORD	R/W	4 Channel Digital Output <ul style="list-style-type: none"> • Bit 0: Digital Output port 1 • Bit 1: Digital Output port 2 • Bit 2: Digital Output port 3 • Bit 3: Digital Output port 4
Analog Output Channel 1	1	0x03, 0x04, 0x06, 0x10	1 WORD	R/W	16bit Analog Output value (μ A) Min 4000 Max 20000
Analog Output Channel 2	2	0x03, 0x04, 0x06, 0x10	1 WORD	R/W	16bit Analog Output value (μ A) Min 4000 Max 20000
Digital Input	3	0x03, 0x04	1 WORD	R	4 Channel Digital Input <ul style="list-style-type: none"> • Bit 0: Digital Input port 1 • Bit 1: Digital Input port 2 • Bit 2: Digital Input port 3 • Bit 3: Digital Output port 4
Analog Input Channel 1	4	0x03, 0x04	1 WORD	R	16bit Analog Input value (μ A) Min 4000 Max 20000
Analog Input Channel 2	5	0x03, 0x04	1 WORD	R	16bit Analog Input value (μ A) Min 4000 Max 20000

Factory Data Register List

Modbus Register	Start Address (0 based)	Function Code	Size	R/W	Description
Digital Output Diagnostic	6	0x03	1 WORD	R	4 Channel Diagnostic Digital Output
Diagnostic 2	7	0x03	1 WORD	R	16 bit Error System
Firmware Version	8	0x03	1 WORD	R	0x0100
IO Type	9	0x03	1 WORD	R	0x03
Serial Number	10	0x03	3 WORD	R	Production/QC Stage: <ul style="list-style-type: none"> Default: 0x000000000000
ID Slave Modbus	11	0x03	1 WORD	R/W	Dipswitch in position 0 Default: 1 Min. 32 Max. 255
Modbus Baudrate	12	0x03, 0x06, 0x10	1 WORD	R/W	Dipswitch in position 1 Default: 0x08 0x01: 4800 0x02: 9600 0x03: 19200 0x04: 38400 0x05: 57600 0x06: 115200 0x07: 128000 0x08: 256000 0x09: 460800 0x0A: 576000 0x0B: 921600
Action	13	0x03, 0x06, 0x10	1 WORD	R/W	0x01: Restart Device 0x02: Factory Reset ID Slave and Baudrate 0x03: Start Wink (identify device) 0x04: Stop Wink 0x05: Force Change SN