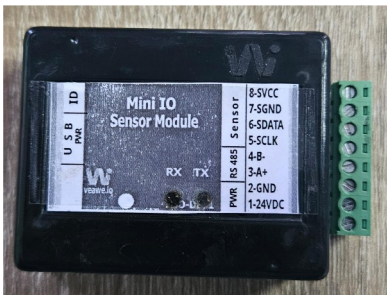
Remote IO Module / Modbus transmitter

MIO-ISO-2DO

Mini IO module – Digital Isolated Outputs



Features

- Isolated Digital Outputs
- Modbus RS-485 Protocol Interface.
- Convenient address selection dip switch from 1 – 15 Address
- Complete range of baud rate settings supported
- Product Dimensions 60mm x 50mm x 20mm (L x W x H)

Supported Modbus Function Codes

01 – Read Coil Outputs
02 – Read Discrete Inputs
03 – Read Holding Registers
04 – Read Input Registers
05 – Write Single Coil
06 – Write Single Register
15 – Write Multiple Coils
16 – Write Multiple Registers

Coils (Read / Write)

(20001) to (20002)

- Digital Output 1~4 Status and Control.
  Setting this bit to 1 will Switch ON Digital Output and 0 will switch OFF

Holding Registers (Read/Write)

Configuration Setting

(40101)

- Device Address as per the address switch – (Read Only)

(400102)
(Reg.Value) – Baud Rate

0 – 300	8 – 14400
1 – 600	9 – 19200
2 – 1200	10 – 38400
3 – 1800	11 – 57600
4 – 2400	12 – 62500
5 – 4800	13 – 115200
6 – 7200	
7 – 9600	**Default. 9 – 19200**

(40103)
(Reg.Value) – Bits, Parity, Stop Bit

0 – 8 N 1
1 – 8 E 1
2 – 8 O 1
3 – 8 N 2
4 – 8 E 2
5 – 8 O 2

Default. 0 – 8 N 1

Default Mode Switch

Default mode is handy when the serial communication setting are forgotten. Setting the Address switch to 00 will put the device in default mode

Address Set to 00 - Default mode ON

- Server Address – 1, Baud 19200, 8N1

Address Set to non 00 - Default mode OFF

- As per the saved configuration values from the holding registers

Note:

No parameter selection is changed just by entering the default mode. All the parameters remains same including the communication settings unless changed by the client

This mode can be used to read the present settings and/or change the settings

Diagnostics

Y1 LED - Y1 Output is on
Y2 LED - Y2 Output is on
Tx LED - Quick Blink Indicates Modbus connection with modbus client

Electrical Details

Input Power Supply: 5V-USB / 6V to 24 V DC
Isolated Digital Outputs: 0 ~ 30V AC/DC SSR
Output Current: 500 mA (1A peak)
Connector Type: 3.81 mm Plugable screw terminal block

DC Input		RS485		SSR Outputs			
24V+	24V-	A+	B-	Y1~	Y1~	Y2~	Y2~
1	2	3	4	5	6	7	8