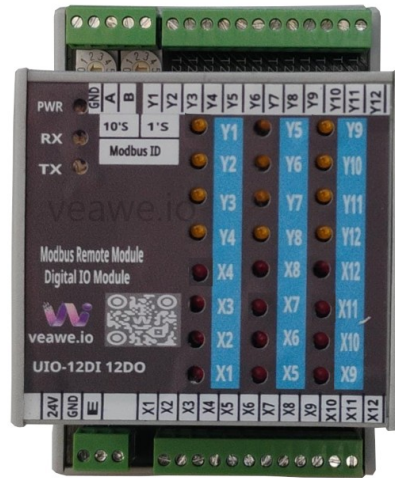




Product Features

- 24 V DC Input Supply
- 12 PNP Digital Input and 12 NPN Digital Outputs
- Modbus RS-485 Protocol Interface
- Convenient address selection rotatory switch from 1 – 99 Address
- Dimension – 110 mm x 70 mm x 85 mm

Supported Modbus Function Codes

- 02 – Read Discrete Inputs
- 03 – Read Holding Registers
- 04 – Read Input Registers
- 06 – Write Single Register
- 16 – Write Multiple Registers

Discrete Inputs (Read Only)

(10001) to (10012)

- Input 1~12 Status. 1 indicates Input is High and 0 indicates Low

Coils (Read / Write)

(20001) to (20012)

- Digital Output 1~12 Status and Control.
Setting this bit to 1 will Switch ON Digital Output and 0 will switch OFF

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

- Slave Address – 1, Baud 19200, 8N1

Address Set to non 00 – Default mode OFF

- As per the saved configuration values.

Note: d

No parameter selection is changed just by entering the default mode. All the parameters remains same including the communication settings unless changed by the master or if there is a corruption in data error indicated in normal mode the device will try to recover to Factory settings.

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

Diagnostics

- Tx LED - Quick Blink Indicates Tx Data in Normal operation
- Rx LED - Quick Blink Indicates Rx Data in Normal operation
- Power LED - Power Supply Status
- X1 ~ X12 LED - Input is read high
- Y1 ~ Y12 LED - Output Y1 is ON

Electrical Details

- Power Supply : 24 V DC
- Digital Input : 24V DC PNP
- Digital output : 24V DC NPN, 500mA @ Individual Output

Top Connector Power and IO 3.81mm PBT

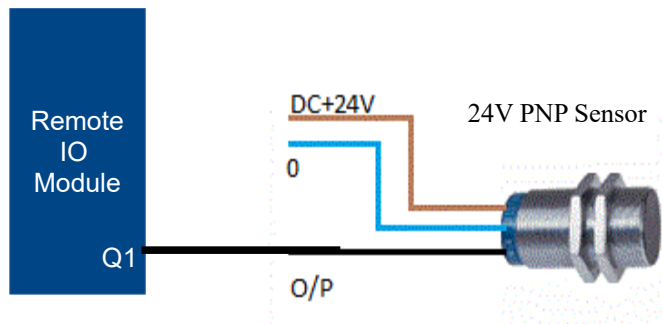
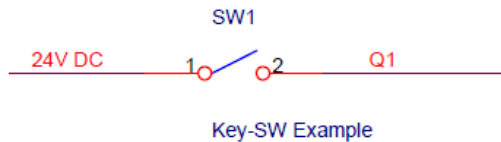
24V	GND	E
1	2	3

Bottom Connector RS485

A1+	B1-	E		
1	2	3		
RS485				

Connection Example

Input Connection



Output Connection

