



### Product Features

- 24 V DC Input Supply
- 14 Relay Outputs with 10A Relay
- Modbus RS-485 Protocol Interface
- Convenient address selection rotatory switch from 1 – 99 Address
- Dinrail and Wall mountable, Dimensions – 140 x 105 x 60 mm

## Modbus Command Details

### Coils (Read / Write)

- 0x1 (1) - Relay Output R1 Status and Control.  
Setting this bit to 1 will Switch ON Output R1 and 0 will switch OFF
- 0x2 (2) - Relay Output R2 Status and Control.  
Setting this bit to 1 will Switch ON Output R2 and 0 will switch OFF
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- 0x10 (14) - Relay Output 14 Status and Control.  
Setting this bit to 1 will Switch ON Output R14 and 0 will switch OFF

### Input Registers (Read Only)

- 0x1 (1) - 1 ~ 14 Relay Output Status

### Baud settings

#### Default Values

- Station Address – As per address switch 1 ~ 99,
- **Baud 19200, 8N1**

### Holding Registers (Read/Write)

- 0x65 (101) - Device Address as per the address switch – (Read Only for Devices with Address switch)
- 0x66 (102) - Baud Rate
  - 0 – 300
  - 1 – 600
  - 2 – 1200
  - 3 – 1800
  - 4 – 2400
  - 5 – 4800
  - 6 – 7200
  - 7 – 9600
  - 8 – 14400
  - 9 – 19200
  - 10 – 38400
  - 11 – 57600
  - 12 – 62500
  - 13 – 115200
  - Default. 9 – 19200**
- 0x67 (103) - 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:

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

R1 ~ R16 LED - Output R1 is ON

### Electrical Details

Power Supply : 12V to 24 V DC

Relay output : 5A @230V AC, 5A @ 30V DC, for each Output

Top Connector Power and IO 3.81mm PBT

24V	GND	E
1	2	3

Bottom Connector RS485

A+	B-	E	A+	B-
1	2	3	4	5
RS485				