

CWT-MB308M

Modbus I O Module

manual

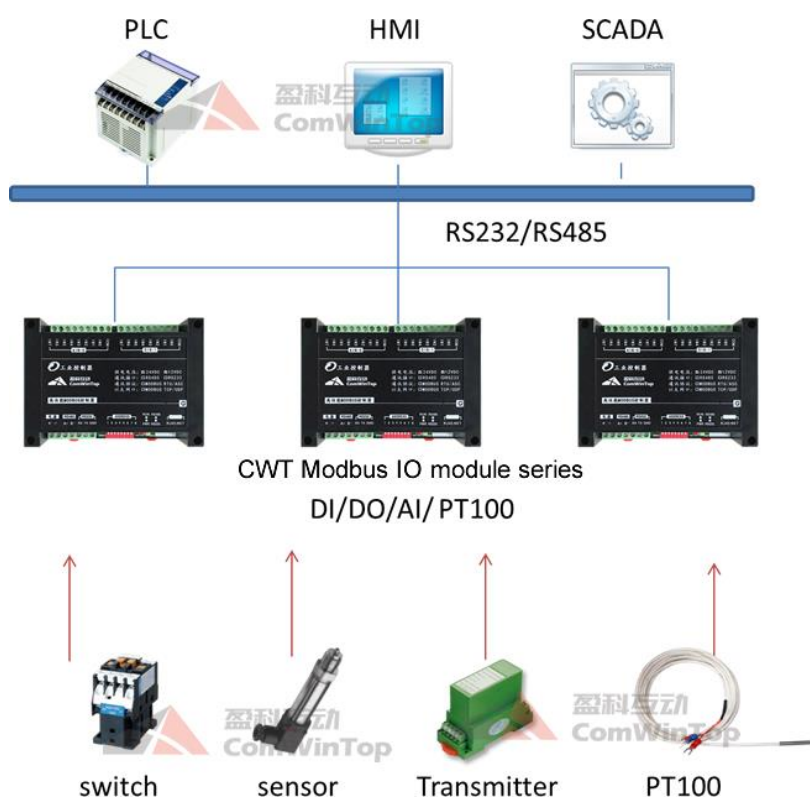
CONTENTS

- 1 OVERVIEW.....3
 - 1.1 SYSTEM PARAMETER3
- 2 INSTALL4
 - 2.1 SIZE.....4
 - 2.2 WIRING5
- 3 CONFIGURATION6
 - 3.1 RS232/RS4856
 - 3.2 CONFIGURATION SOFTWARE7
 - 3.3 ETHERNET7
- 4 DESCRIPTION OF IO CHANNEL.....8
 - 4.1 DIGITAL OUTPUT.....8




1 OVERVIEW

Model	Options	IO Port	Communication Port	Protocol
CWT-MB308M	485	24DO (relay output)	RS485	Modbus RTU
	485-232	24DO (relay output)	RS485+RS232	Modbus RTU
	E	24DO (relay output)	Ethernet	Modbus TCP
	E-485	24DO (relay output)	Ethernet+RS485	Modbus TCP, Modbus RTU
	E-485-232	24DO (relay output)	Ethernet+RS485+RS232	Modbus TCP, Modbus RTU

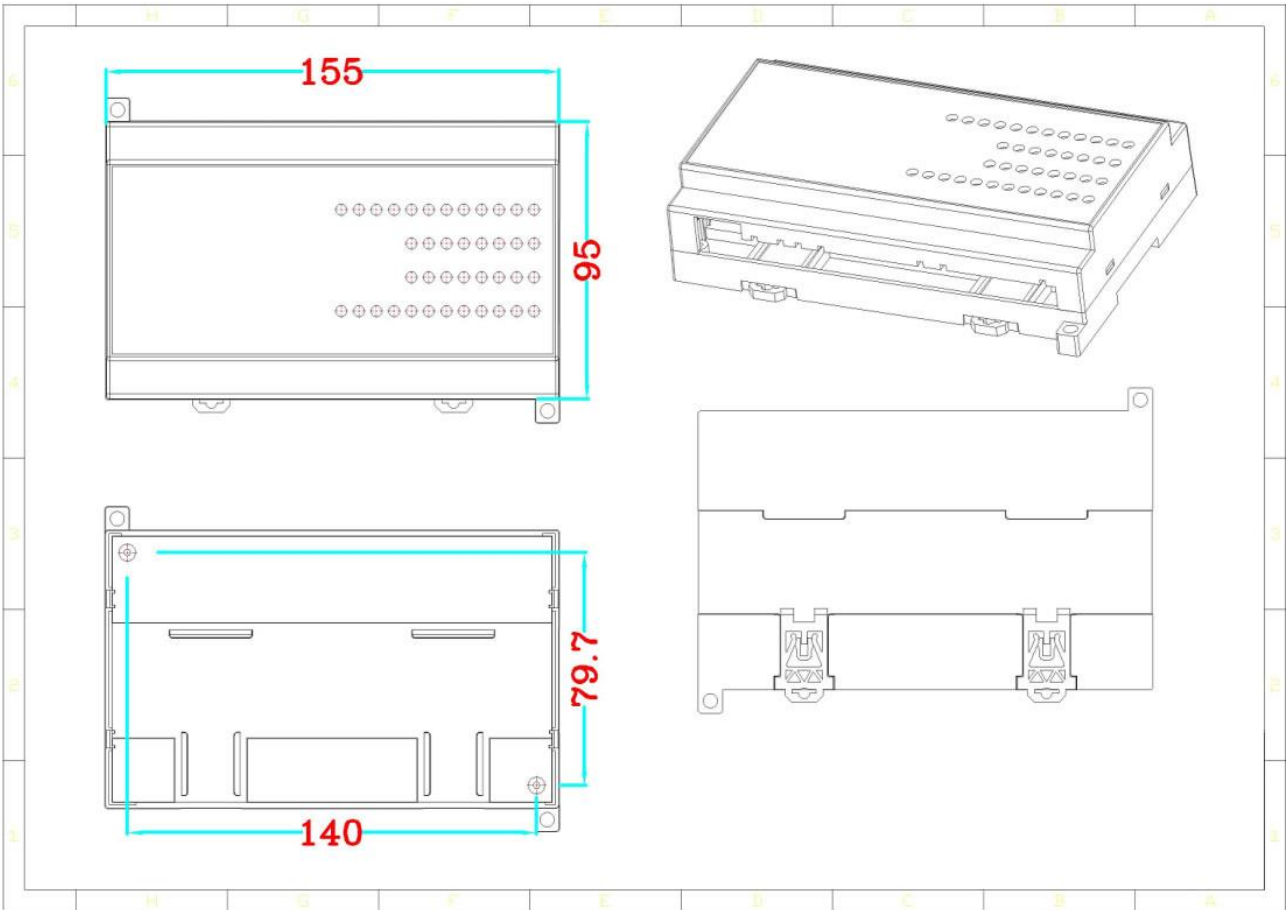


1.1 System Parameter

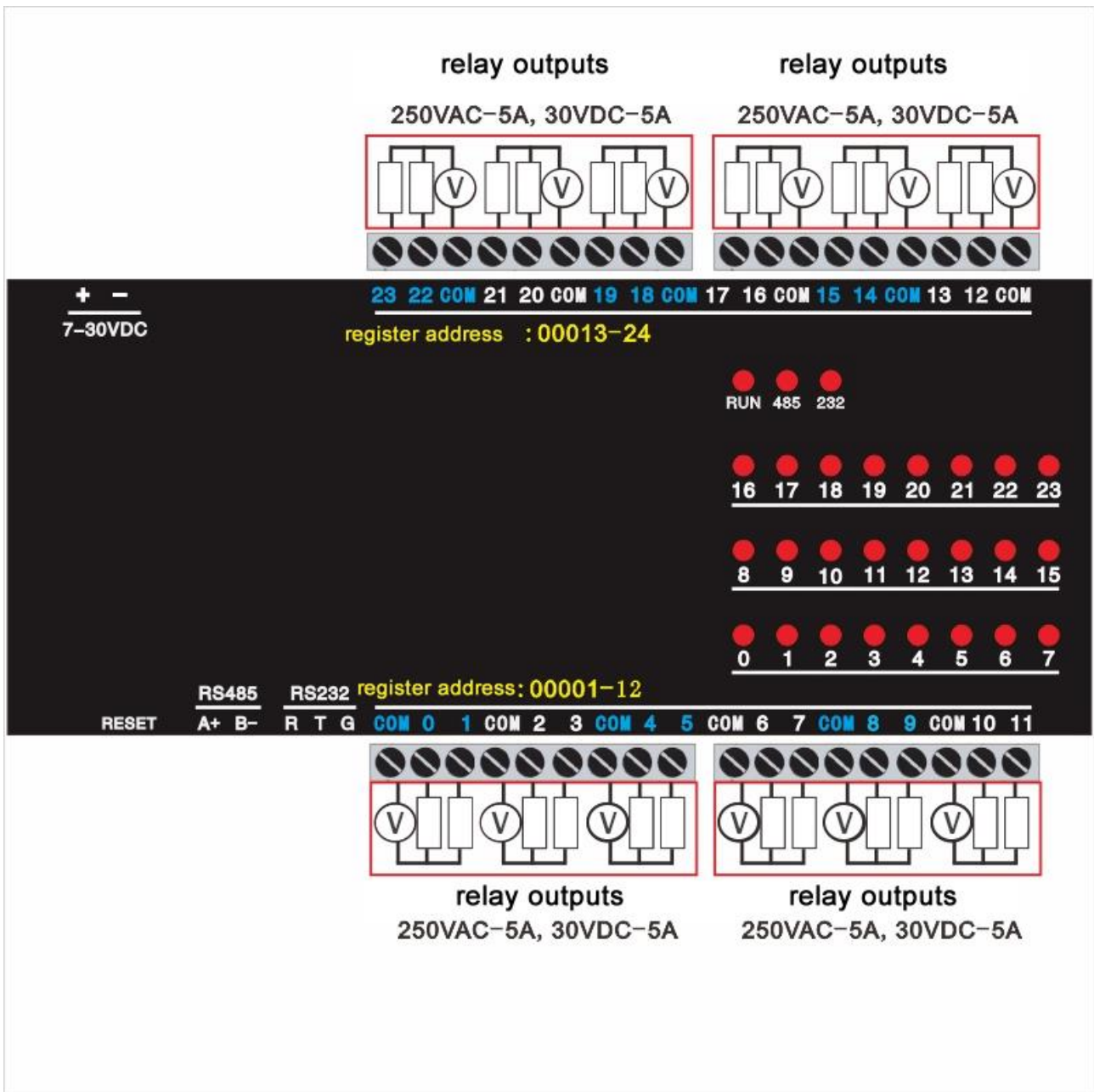
CPU	32-bit ATMEL ARM, 72MHZ
OS	GCOS, 10ms scheduling mechanism
Power	7-35VDC @2W, power supply reverse protection, isolation design
Installation	DIN rail mounting or screw fixing 
Working Environment	-40℃~85℃, 5%~95%RH(non-condensing)
Protection	IP20
Watchdog	1.5m guard

2 INSTALL

2.1 size



2.2 wiring



3 CONFIGURATION

3.1 RS232/RS485

Port type	1RS485 & 1RS232
Protection	DCDC isolation design, 2500V lightning protection, ESD, overvoltage, overcurrent protection
Baud rate	1200~115200, default 9600
Parity	Even, Odd, None
start bit	1 bit
data bits	8 bit
Stopbits	1,2bits
Protocol	MODBUS RTU
default	9600.N.8.1, slave id is 1



3.2 Configuration software

INFO

ID1

ID2

USER

MODULE INFO

RS232/RS485

COM IDCOM4ParityNONE

Baud Rate9600Word Length8

Device Id1Stop Bits1

TCP/IP

IP Address:192.168.1.75

Service Port:502

UART0-RS485

Address

Baud Rate

Parity

Length

Stop Bits

Dev Type

Protocol

TimeOut10ms

UART1-RS232

Address

Baud Rate

Parity

Length

Stop Bits

Dev Type

Protocol

TimeOut10ms

TCP IP

Address==RS485

IP Address

Service Port

Net_Subr

GateWay

MAC

KeepLive

*30s<=255

USER

SEL

RS232/RS485

READ

WRITE

Set salve ID, default is 1

3.3 Ethernet

Port type	RJ45
Communicate protocol	MODBUS TCP、MODBUS UDP
Communicate rate	1000 times/s
bandwidth	10M/100Mbps
IP address	192.168.1.75
Port	502



4 DESCRIPTION OF IO CHANNEL

4.1 Digital output

Output type	normal open relay output
Isolation	opt coupler isolation& relay isolation
Resistive load	5A/250VAC, 5A/30VDC
Response time	≤0.01s

Modbus Register map

channel	Register address
Do0-Do23	00001-00024

DO wiring diagram

