## Features:

- Dual display,4 digits,7 segments LED display
- 2 time intervals or 4 time intervals optional
- Maximum 4 outputs for 72mm*72mm and 96mm*96mm
- Maximum 2 outputs for 48mm*48mm
- Time unit: second, minute, hour
- Display format: 000, 00.0, 0.00
- Multiple timer trigger mode(auto run, manual trigger via switch)
- Configurable timer working pattern(sequence pattern or circular)
- Timer counting up or down configurable
- Output relay latching function
- Output relay pull-in/drop-out time configurable
- Optional features
  -RS485 Modbus RTU Communication
  -maximum 4 output relays for 96mm*96mm

## Technical Specifications

## Ordering Information

| | |
|---|---|
| **MWT100** | (48mm*48mm)(Width*Height) |
| **MWT700** | (72mm*72mm)(Width*Height) |
| **MWT900** | (96mm*96mm)(Width*Height) |

1 — 2 — 3 * 4 — 5

### 1:Power supply

| | |
|---|---|
| **96** | 85~265Vac 50/60HZ |
| **24** | 24VDC/AC |

### 2:Timer intervals

| | |
|---|---|
| **4** | 4 intervals |
| **2** | 2 intervals |

### 3:Output 1[OP1]

| | |
|---|---|
| **N** | Without output 1 |
| **R** | Relay output |
| **V** | SSR Drive output |

### 4:Output 2[OP2]

| | |
|---|---|
| **N** | Without output 2 |
| **R** | Relay output |
| **V** | SSR Drive output |

### 5:Output 3[OP3] only available with MWT700 and MWT900

| | |
|---|---|
| **N** | Without output 3 |
| **R** | Relay output |
| **V** | SSR Drive output |

### 6:Output 4[OP4] only available with MWT700 and MWT900

| | |
|---|---|
| **N** | Without output 4 |
| **R** | Relay output |
| **V** | SSR Drive output |

### 7:Communication

| | |
|---|---|
| **N** | Without Communicaiton |
| **K** | With Modbus RTU RS-485 communication |

Example: MWT100-96-2-R-N-N-N-N
    MWT100: size 48mm*96mm
    96:Power supply 85~265Vac
    2: 2 time intervals
    R: OP1 output with relay
    N:without OP2
    N: without OP3
    N: without OP4
    N: without communication

Example: MWT100-96-4-R-R-N-N-N
    MWT100: size 48mm*96mm
    96:Power supply 85~265Vac
    4: 2 time intervals
    R: OP1 output with relay
    R: OP2 output with relay
    N: without OP3
    N: without OP4
    N: without communication

*Normally 2 intervals timer euipped
  with only 1 output

*Normally 4 intervals timer euipped
  with only 2 outputs

## General Specifications

### Electrical Specifications

| | |
|---|---|
| Display | Dual 4 LED digits upper/lower display format |
| Timer intervals | 2 intervals or 4 intervals |
| Number of outputs | maximum 4 outputs(relay or SSR drive) |
| Timer range | 0.01 seconds to 999 hours |
| Timer output mode | On delay/off delay, relay status programmable |
| Timer triggering mode | Power on, front key pad, or via remote switch |
| Timer unit | Second, minute, hour |
| Timer reset mode | Auto reset or via remote switch |
| Timer counting mode | Counting up or down configurable |
| Power supply | 85~265Vac or 24VDC/AC |
| Communication | RS-485 modbus RTU optional |
| Timer accuracy | <1 s/per day |

### Mechanical Enviromental Specifications

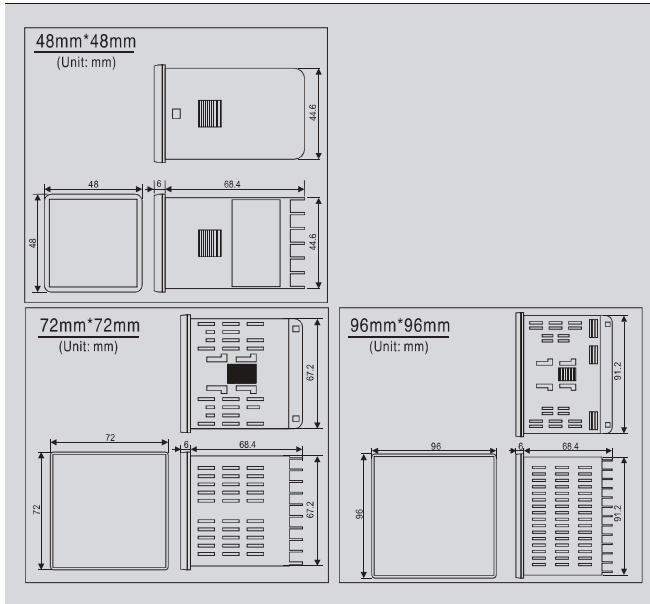| | |
|---|---|
| Size | 48mm*48mm,72mm*72mm, 96mm*96mm |
| Weight | 0.17kg/ 0.27kg/0.27kg/0.35kg |
| Operating temperature humidity | -10$^{\circ}$C~+50$^{\circ}$C  45%~85% RH |

## Some of the key features of this timer

This timer is very flexible when it comes down to the configuration of the relay. the relay can be programmed as pull-in or drop-out at any time during the process, below is a typical program that can be applied to a field application,to help understand our timer, below is an exmple with the model MWT100-96-4-R-R-N-N-N. 48mm*48mm timer with OP1 and OP2.
#1 interval: 5 minutes
#2 interval: 20 seconds
#3 interval: 1 hour
#4 interval: 30 seconds
You can program the timer with 4 intervals, each interval with assigned time range as shown above,  as soon as you trigger the timer from the key pad or via a remote switch, the timer enter into the first inverterval by 5 minutes the OP1 or OP2 can be programmed pull-in as soon as the timer kicks off. or OP1 and OP2 can be programmed as pull-in at the same time when the timer kicks off. or both of them will be at the initial drop-out status, after first interal is up. timer goes into #2 interval which is 20 seconds, the OP1 can be programmed as pull-in to trigger a buzzer or a pump etc. then the timer goes to next interval #3 for another 1 hour, when the #3 interval is up.  the OP2 can be programmed as pull-in to trigger another device for 30 seconds as #4 interval.

## Dimension and cutout sizes



## Wiring diagram