



Features:

- Dual display, 6 digits, 7 segments LCD display
- 4 time intervals/segments
- Maximum 2 outputs
- Timing unit: second, minute, hour
- Display format: 00.00.00 (Hour, Minute, Second)
- 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

Technical Specifications

Ordering Information

PTF100-BT5 (software version) 1 2 3 4 5 6 7

LCD display timer only available with 1 size 48mm*48mm software version is BT5, we might update the firmware without further notice

1: Power supply

B	85~265Vac 50/60HZ
D	24VDC/AC

2: Timer intervals

4	4 intervals
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3: Output 1 [OP1]

N	Without output 1
M	Relay output
R	SSR Drive output

4: Output 2 [OP2]

N	Without output 1
M	Relay output
R	SSR Drive output

5: Output 3 [OP3] not available with PTF100

N	Without output 1
M	Relay output
R	SSR Drive output

6: Output 4 [OP4] not available with PTF100

N	Without output 1
M	Relay output
R	SSR Drive output

7: Communication

N	Without Communication
5	With Modbus RTU RS-485 communication

Example: PTF100-BT5-B-4-M-M-NNN
 PTF100: size 48mm*96mm
B: Power supply 85~265Vac
4: 4 time intervals
M: OP1 output with relay
M: OP1 output with relay
N: without OP3
N: without OP4
N: without communication

General Specifications

Electrical Specifications

Display	Dual 4 LCD digits upper/lower display format
Timer intervals	4 time intervals
Number of outputs	maximum 2 outputs (relay output)
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 Environmental Specifications

Size	48mm*48mm
Weight	0.17kg
Operating temperature humidity	-10°C~+50°C 45%~85% RH

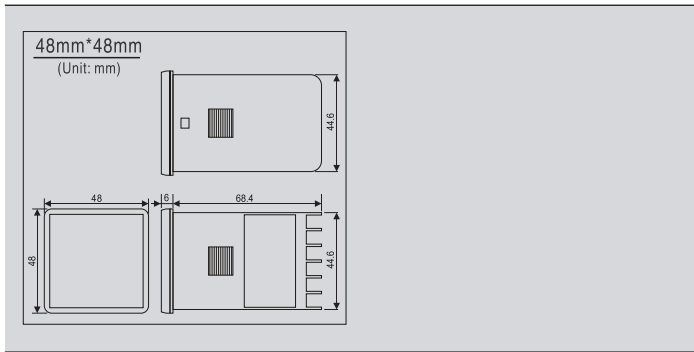
Some of the key features of this timer

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 example with the model PTF100-B-4-M-M-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 enters into the first interval 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 the first interval is up, the 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 the 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

