

Digital Timer

HT Series

User Manual

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Ordering Code

HT — 1: 1 segment of output 2: 2 segments of output
— 4: 4 digit display
Dimension(mm): 4: 48H*48W*80L 7:72H*72W*80L 6: 96H*48W*80L
HT Series Digital Timer

HT7 72X72

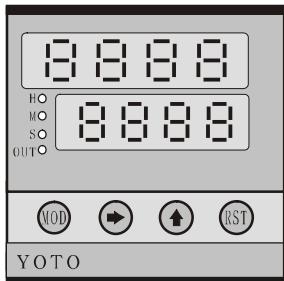


Example: HT4-42, means that HT Series 4 digits timer relay, size in 48H X 48W, with two segment output, 220V AC power supply.

Technical Data

Supply voltage	220V AC ± 10V, 50/ 60Hz
Energy consumption	<3W
Repeatability accuracy	± 0.2%
Reset time	<100mS
Contact load	250V AC/ 3A (Resistance load)
Timing range	0.01s ~ 99.99s; 0.1s ~ 999.9s; 0.01m ~ 99.99m; 0.1m ~ 999.9m 0.01h ~ 99.99h; 0.1h ~ 999.9h; 1s ~ 99m 59s, 1m ~ 99h 59m
Delay range	0.1s ~ 999.9s; 0.1m ~ 999.9m; 0.1h ~ 999.9h
Anti-interference	± 2000V/ 1m
Operation environment	0°C ~ 50°C (with no condensation); 35 ~ 85%RH
Operation life	Mechanical life: 5 million times above; electrical life: 100 thousand times for rated load

Panel Illustration



M O D	Set/ Confirm
R S T	Reset
Upper display	Measuring value display
Lower display	Set value or parameter display
H	Hour indicator
M	Minute indicator
S	Second indicator
OUT	Alarm output
► ▲	Shift/ Up key

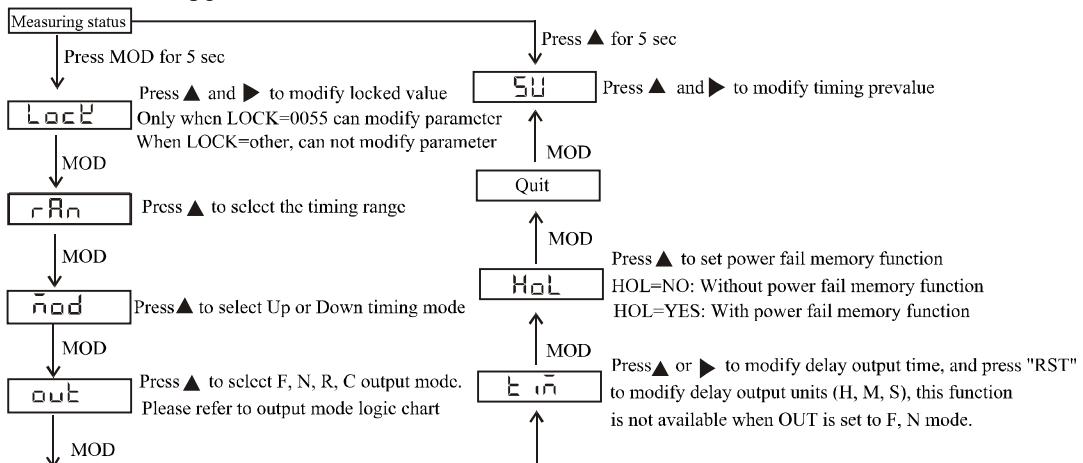
HT4 48X48



Operation Process

A. MOD: Set/ confirm ▲ : Increase/ shift ► : Shift right/ Reset Key

B: Parameter setting process



Output mode logic diagram (relay output mode: N, F, R, C four types)

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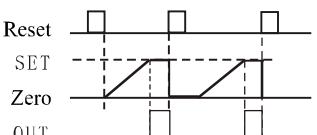
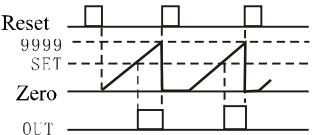
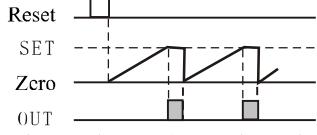
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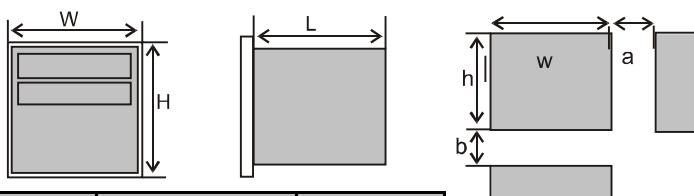
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Output mode logic diagram (relay output mode: N, F, R, C four types)

Delay output Maintain output

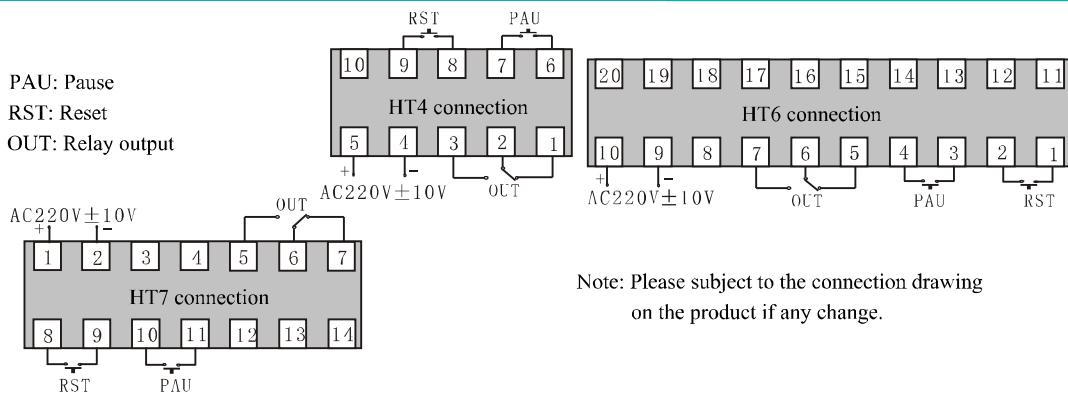
Output mode	N	F
Figure		
	Output, display value kept till to reset input.	Display value keep going, output will be kept till to reset input.
Output mode	R	C
Figure		
	When timer value reaches setting value, relay become work till to setting time, and till to next reset input.	Timer value reset automatically when reaches setting value, relay become work till to setting time and till to next reset input.

Dimension Size



Model	Panel size	Shell size	Hole size
	H X W (mm)	H X W X L (mm)	A X B (mm)
HT4	48 X 48	45 X 45 X 88	46 X 46
HT6	96 X 48	92 X 45 X 90	93 X 46
TH7	72 X 72	68 X 68 X 90	69 X 69

Terminal Connection



Note: Please subject to the connection drawing on the product if any change.

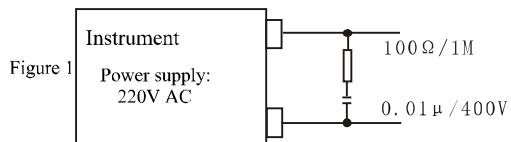
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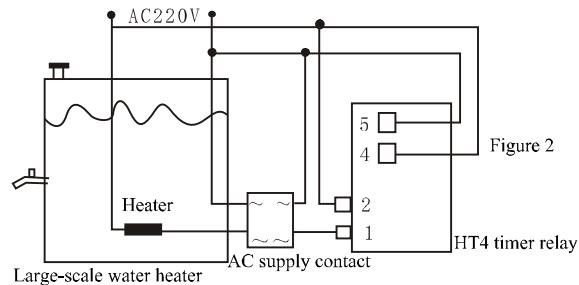
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Application Example



You can refer to above connection if need to use the instrument (timer relay) under the environment full of strong disturbance and high interference to enhance the performance of anti-interference of the power.



Installation/Naintenence/Storage

Cautions

Installation conditions:

Atmospheric pressure: 86 ~ 106KPa

Operation Temperature: 0 ~ 50°C

Operation Humidity: 35% ~ 85% (with no condensation)

Installation warning:

1. Rapid changes in ambient temperature may cause condensation.
2. This product should be avoid working under the circumstance that is corrosive, flammable, explosive, moist, under sunshine, heat radiation and vibration. Otherwise it may cause explosion.
3. In this unit it must not have dust or deposit, otherwise it may cause fire or mechanical malfunction.
4. Do not use gasoline, chemical solvent to clean the cover of the product because such solvent can damage it. Please use some soft cloth with water or alcohol to clean the plastic cover.
5. Do not touch wire connectors when the power is on, otherwise you may get an electric shock.

Installation

1. Please make the holes on the shell according to meter hole dimensions. When there are more than one meter, the distance of two holes between the left meter and the right meter should large than 25mm and the distance of two holes between the upper meter and the lower meter should large than 30mm.
2. Insert the meter into the panel.
3. Insert the mounting bracket into mounting slot.
4. Push tight the mounting brackets so that the meter can combine with the shell firmly.

Maintenance

If there are any malfunction to the meter due to quality issues, the meter is guaranteed for a year. But if the damage is caused by improper use, customer need to pay appropriate repairs charge.