TH100 Intelligent time controller USES instruction manual

Thank you very much for your choice. Please read this manual carefully before using tgus ubstrument

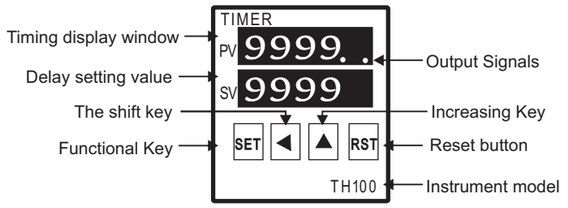
1 The main features

- 8 bit chip microcomputer integrated circuit, stable job.
- The time delay time base is free to switch, the data memory can be selected and output can be set.
- The time delay range from 0. 01 to 9999 hours can be set at any time.
- Two sets of relay output, external pause/reset function (optional).

2 Main technical parameters

- Work power: 85~265V AC, other power supply can be customized.
- Contact capacity: 220VAC/3A 28VDC/5A (resistance).
- Life of contact: ⩾10 times.
- Delay control precision: ± 0. 3%.
- Installation: panel type, device type (guide rail).
- Use environment: temperature of -10 ~ + 60℃, humidity 0~85% RH.
- Mounting hole size (long * wide) : 45. 5 X45. 5 mm.

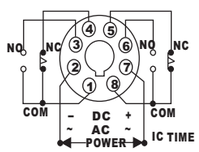
3 Panel description



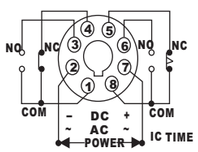
Panel related functions:

- "Output instruction" - when the decimal point is lit, the instrument is delayed and the relay is in a state of absorption.
- "SET" - short press, the SV digital tube flashing, can SET the delay work value Hold down for about 5 seconds and set work parameters.
- "RST" - time delay value zero or output state reset button

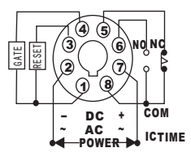
4 Wiring diagram (please refer to the actual wiring diagram on the meter case)



(double delay output)

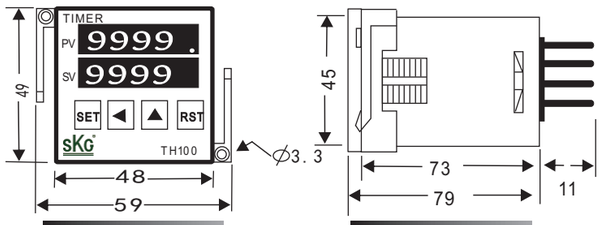


(single delay + instantaneous output)

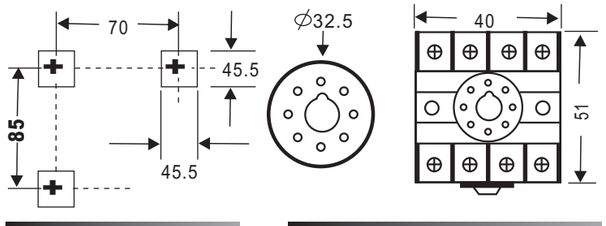


(delay + reset, pause)

5.Shape and panel mounting hole schematic diagram (Size unit:mm/Error:0.5mm)



Front view | Side view

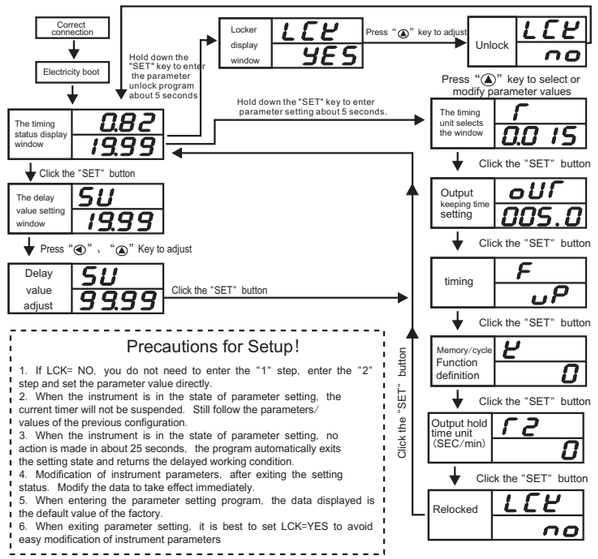


Install hole size and moment | The supporting round base, guide rail type square seat

6.Parameter meaning

Character	Name	Parameter code and meaning
r	Timing base	.01S: 0.01sec 0.1S: 0.1sec S: sec 0.1n: 0.1min
		n: min 0.1h: 0.1hour h: hour 10h: 10hour
oUT	Keep the output	Set the time delay time to the output of the relay relay and maintain the output time (0. 0~999. 9)。
F	Timing display mode	uP: Clockwise。 dn: counting down
E	Loss of memory/ circulation	0: Single time delay work 1: Cycle delay work 2: It has memory loss, single time delay work.
		3 It has memory, cycle delay work.
r2	Keep the output Time unit	0: sec 1: min
LCK	Locker	no: Full parameter open YES: all parameters locked.

7. Time delay setting and parameter setting flow chart



Precautions for Setup!

1. If LCK= NO, you do not need to enter the "1" step, enter the "2" step and set the parameter value directly.
2. When the instrument is in the state of parameter setting, the current timer will not be suspended. Still follow the parameters/ values of the previous configuration.
3. When the instrument is in the state of parameter setting, no action is made in about 25 seconds, the program automatically exits the setting state and returns the delayed working condition.
4. Modification of instrument parameters, after exiting the setting status. Modify the data to take effect immediately.
5. When entering the parameter setting program, the data displayed is the default value of the factory.
6. When exiting parameter setting, it is best to set LCK=YES to avoid easy modification of instrument parameters

8.Precautions for use

- When the power is disconnected, the interval time should be greater than 1 second. If the interval is short, please use the external reset function
- In order to ensure the normal use of the instrument, avoid the use of corrosive, flammable, explosive and wet conditions.
- To use clear/reset function in strong electric field environment, please use shield wire.
- After the hardware/software upgrade, please refer to the latest version.

CHTH200 Intelligent time controller user instruction manual

Thank you very much for choosing our time controller, please read this manual carefully before using this instrument

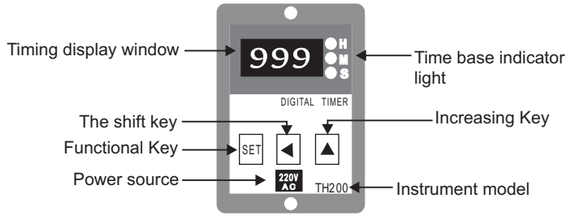
1 The main features

- 8 bit chip microcomputer integrated circuit, stable job.
- Time delay time base switch, delay time base to 7.
- The delay range from 0. 01 to 999 hours can be set at any time.
- Two sets of relay output (delay + instantaneous or double - delay output)

2 Main technical parameters

- Power supply: 220V AC, other power supply can be customized.
- Contact capacity: 220VAC/3A 28VDC/5A (resistance).
- Life of contact: ⩾10 times.
- Delay control precision: ±0. 3%.
- Installation: panel type, device type (guide rail).
- Use environment: temperature of -10 ~ + 60℃, humidity 0-85% RH.
- Mounting hole size (long * wide) : 51 X 63 mm.

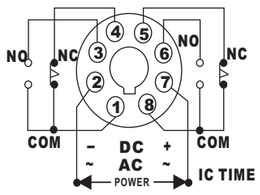
3 Panel description



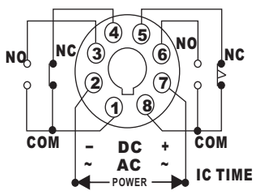
Panel related functions:

- When the indicator light of "H", "M" and "S" is flashing, it indicates that the instrument is in the time-delay state of the time base, and when it is always on, it indicates that the instrument is delayed and is in a state of output.
- "SET" - short press, the SV digital tube flashing, can SET the delay work value. Hold down for about 5 seconds and set work parameters.

4 Wiring diagram (please refer to the actual wiring diagram on the meter case)

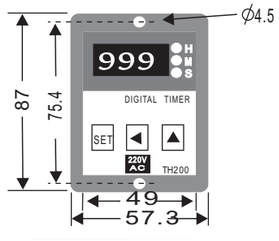


(double delay output)

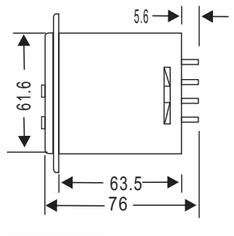


(single delay + instantaneous output)

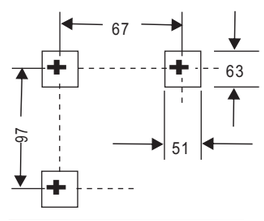
5.Shape and panel mounting hole schematic diagram (Size unit:mm/Error:0.5mm)



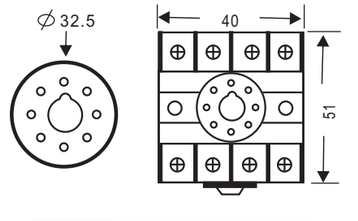
Front view



Side view



Install hole size and moment

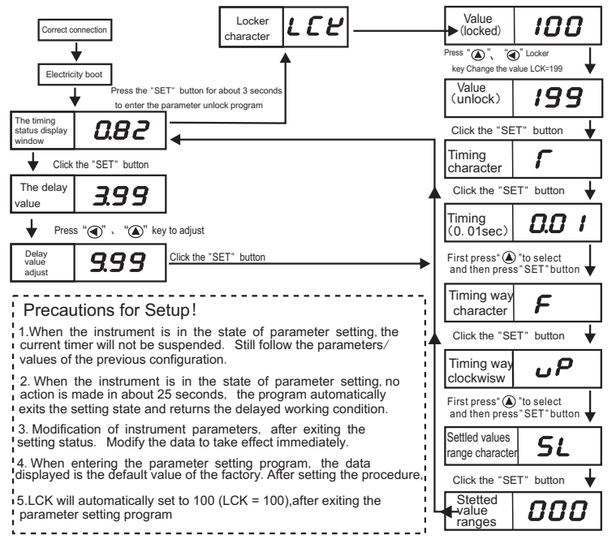


The supporting round base, guide rail type square seat

6.Parameter meaning

Character	Name	Parameter code and meaning
LCK	Locker	100: all parameters locked. 199: Full parameter open。
r	Timing base	0.01: 0.01sec。 0.1S: 0.1sec。 S: sec。
		0.1n: 0.1min n: min 0.1h: 0.1hour h: hour
F	Timing display mode	uP: Clockwise dn: counting down
SL	Setting value range	000: setting range 0. 00~999 001: setting range 0. 01~999

7. Time delay setting and parameter setting flow chart



Precautions for Setup!

1.When the instrument is in the state of parameter setting, the current timer will not be suspended. Still follow the parameters/ values of the previous configuration.

2. When the instrument is in the state of parameter setting, no action is made in about 25 seconds, the program automatically exits the setting state and returns the delayed working condition.

3. Modification of instrument parameters, after exiting the setting status. Modify the data to take effect immediately.

4. When entering the parameter setting program, the data displayed is the default value of the factory. After setting the procedure.

5.LCK will automatically set to 100 (LCK = 100),after exiting the parameter setting program

8.Precautions for use

- The instrument working power must be consistent with the identification on the instrument panel(220V AC),otherwise the meter will not work properly and even burn the instrument.
- When the power is disconnected, the interval time should be more than 1 second.
- In order to ensure the normal use of the instrument, avoid the use of corrosive, flammable, explosive and wet conditions.
- To use clear/reset function in strong electric field environment, please use shield wire.
- After the hardware/software upgrade, please refer to the latest version.

CHTH300 Intelligent time controller user instruction manual

Thank you very much for choosing our time controller, please read this manual carefully before using this instrument

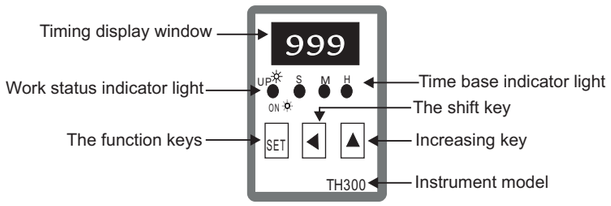
1 The main features

- 8 bit chip microcomputer integrated circuit, stable job.
- The delay time base switch.
- The delay range from 0. 01 to 999 hours can be set at any time.
- Two sets of relay output (delay + instantaneous or double -delay output).

2 Main technical parameters

- Power supply: 220V AC, other power supply can be customized.
- Contact capacity: 220VAC/3A 28VDC/5A (resistance).
- Life of contact: ≥10 times.
- Delay control precision: ±0. 3%.
- Installation: panel type, device type (guide rail).
- Use environment: temperature of -10 ~ + 60℃, humidity 0~85% RH

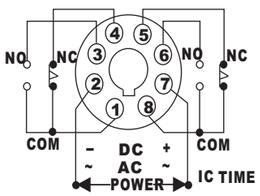
3 Panel description



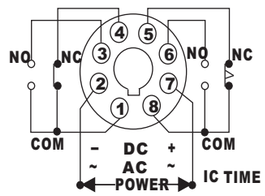
Panel related functions:

- "Time base indicator light ", "H", "M", "S" indicator, respectively instrument working in "the hours", "points", "seconds" time base period.
- "UP/ON" - when the light is flashing, it indicates that it is in a delay state and is in the output state when it is always bright.
- "SET" - short press, the SV digital tube flashing, can SET the delay work value. Hold down for about 10 seconds and set work parameters.

4 Wiring diagram (please refer to the actual wiring diagram on the meter case)

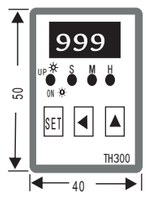


(double delay output)

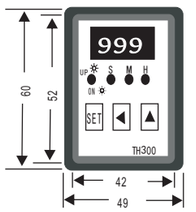


(single delay + instantaneous output)

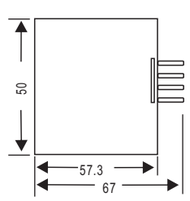
5.Shape and panel mounting hole schematic diagram (Size unit:mm/Error:0. 5mm)



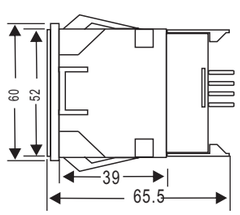
Front view



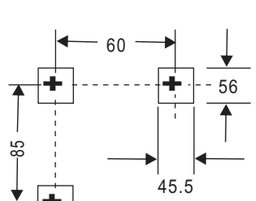
Surface plate elevation drawing



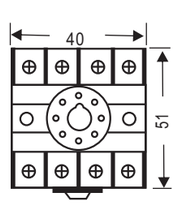
Side View



Panel side view



Install hole size and moment

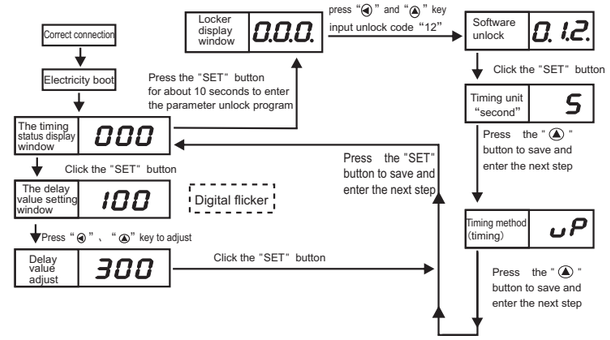


Guide rail type square

6.Parameter meaning

The parameter name	Parameter code and meaning
The software lock	0.0. : all parameters locked. 1.2. : Full parameter open。
Timing time base	0.0S : 0.01sec 0.1S : 0.1sec S : sec 0.1n : 0.1min n : min 0.1h : 0.1hour h : hour
Timing display mode	uP: clockwise。 dn: countdown。

7. Time delay setting and parameter setting flow chart



Precautions for Setup!

1. When the instrument parameter setting, there is no parameter prompt, and unlocking directly enters the selection screen of the parameters. For example, the parameter configuration can be viewed directly according to the "SET" key.
2. When entering the parameter setting, the parameter value displayed is the default value of the factory.
3. When the instrument is in parameter setting or check state, the current delay program will not be suspended, and it will continue to operate according to the parameters of the previous configuration.
4. Instrument parameter modification, after exiting the setting status. The modification data cannot be effective immediately (except for the delay set value). The instrument power must be turned off and the power can be recharged before it becomes effective.

8.Precautions for use

- When the power is disconnected, the interval time should be more than 1 second.
- In order to ensure the normal use of the instrument, avoid the use of corrosive, flammable, explosive and wet conditions.
- To use clear/reset function in strong electric field environment, please use shield wire.
- After the hardware/software upgrade, please refer to the latest version.

CHTH100A Intelligent time controller user instruction manual

Thank you very much for choosing our time controller, please read this manual carefully before using this instrument

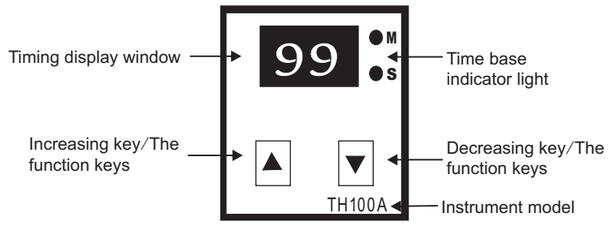
1 The main features

- 8 bit chip microcomputer integrated circuit, stable job.
- The delay time base switch.
- Time delay ranges from 0. 1 seconds to 99 minutes, setting any time.
- Two sets of relay output (delay + instantaneous or double - delay output).

2 Main technical parameters

- Power supply: 220V AC, other power supply can be customized.
- Contact capacity: 220VAC/3A 28VDC/5A (resistance). Life of contact: ≥10 times.
- Delay control precision: ± 0. 3%.
- Installation: panel type, device type (guide rail).
- Use environment: temperature of -10 ~ + 60℃, humidity 0~85% RH
- Mounting hole size (long * wide) : 45. 5 X 45. 5 mm.

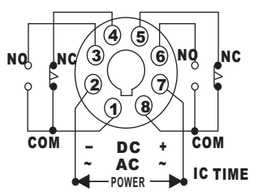
3 Panel description



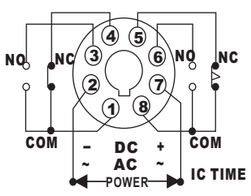
Panel related functions:

- When the "M" and "S" indicator are flashing, the "time base indicator" indicates that the meter is in the time-delay state of the time base. When it is always on, the meter is finished and is in the output state.

4 Wiring diagram (please refer to the actual wiring diagram on the meter case)

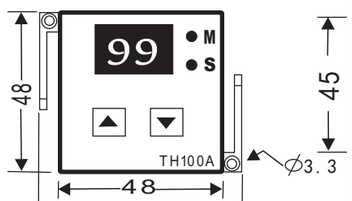


(double delay output)

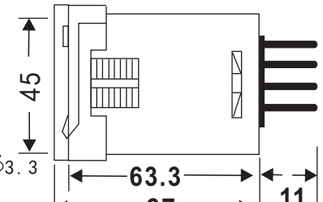


(single delay + instantaneous output)

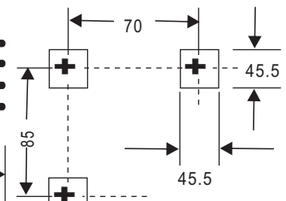
5.Shape and panel mounting hole schematic diagram (Size unit:mm/Error:0.5mm)



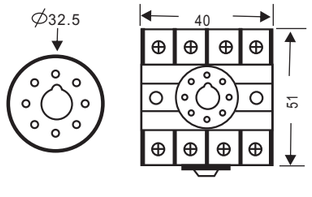
Front view



Side View



Install hole size and moment

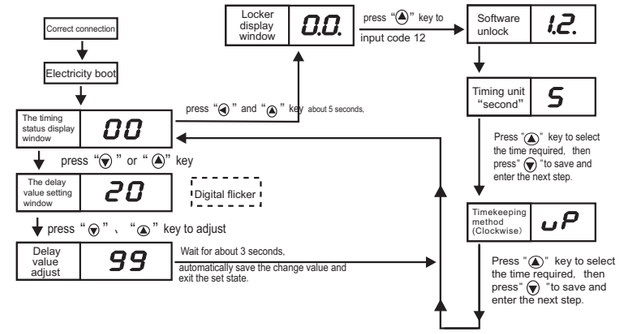


The supporting round base, guide rail type square seat

6. Parameter meaning

Parameter name	Parameter code and meaning
Software lock	0.0. : all parameters locked. 1.2. : Full parameter open。
Timing time base	0.S : 0.1sec S : sec 0.n : 0.1min n : min
Timing display mode	uP: clockwise dn: countdown

7. Time delay setting and parameter setting flow chart



Precautions for Setup!

1. When the instrument parameter setting, there is no parameter prompt, and unlocking directly enters the selection screen of the parameter. If only, the parameter configuration is checked directly by the "▼" key.
2. When entering parameter setting, the parameter value displayed is the default value of the factory.
3. When the instrument is in parameter setting or the state of inquiry, the current delay program will not be suspended, and the parameter/numerical operation will continue to be configured according to the previous configuration.
4. When the instrument is in the state of parameter setting, no action is made in about 20 seconds, the program automatically exits the setting state and returns the delayed working condition.
5. Instrument parameter modification, after exiting the setting status. The modification data cannot be effective immediately (except for the delay set value). The instrument power must be turned off and the power can be recharged before it becomes effective.

8.Precautions for use

- When the power is disconnected, the interval time should be more than 1 second.
- In order to ensure the normal use of the instrument, avoid the use of corrosive, flammable, explosive and wet conditions.
- To use clear/reset function in strong electric field environment, please use shield wire.
- After the hardware/software upgrade, please refer to the latest