Plug In Thermostat with Timed Options

Model: TRT05

Time	Prog
Temp	Mode

OFF

20 °C

MODE A

TIME GUARD
LIMITED
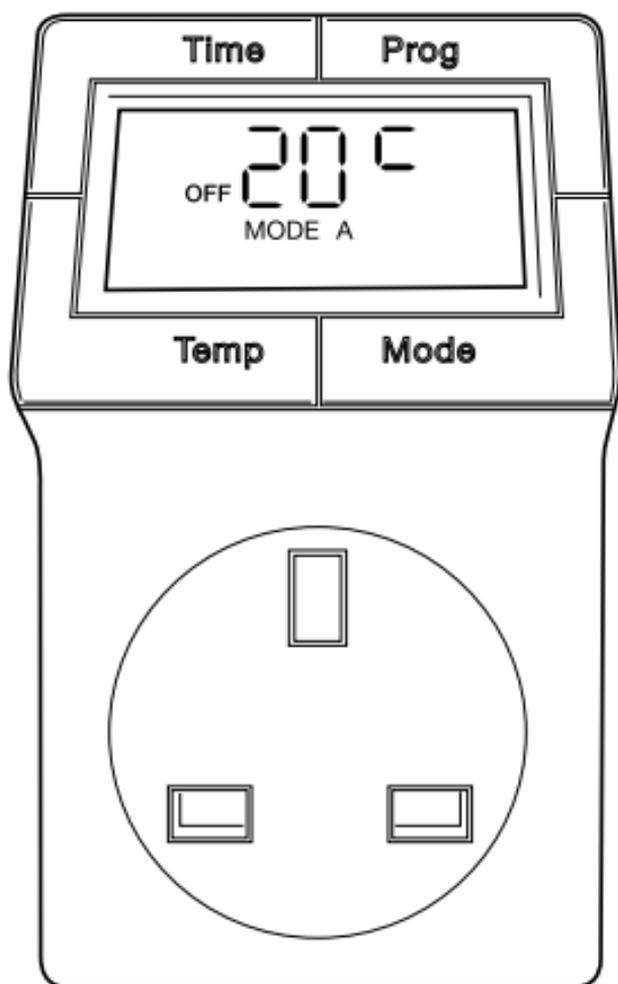
TRT05 – Plug-In Thermostat with Timer Options

Time
Button

Programme
Button

Temp
Button
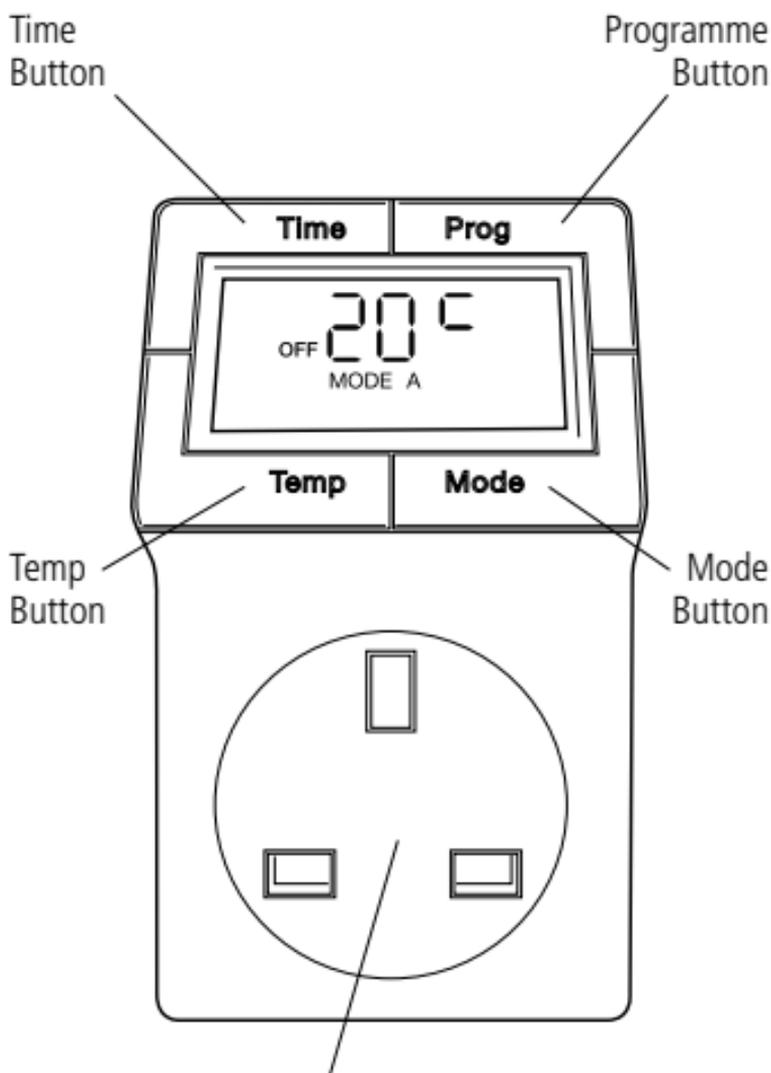
Mode
Button

For all 13A appliances
up to 3kW

General:

The TRT05 is a plug in thermostat, with an in built 24 hour programmable timer. It has 3 programmable time periods, and 4 operating modes, including ON, OFF, Timed, and Automatic. Set temperature can be between 0°C and 35°C.

1. Battery

The unit has an in built non replaceable, rechargeable battery, which will keep the programmed times during power down situations for up to 4 weeks. If the screen goes blank, once power is restored, and 4 hours have elapsed (to give a working battery charge), Reset must be pressed, and times/programs re-entered. Before programming for the first time, connect the unit to the mains for at least 15 minutes prior to pressing the Reset button and programming the unit. If the display is not visible or very faint, charge for 4 hours prior to pressing Reset and programming.

2. Display Layout:

```
Prog
□ON   ┌─┐┌─┐ ┌─┐┌─┐
□OFF  └─┘└─┘:└─┘└─┘

HOLD MODE A ON OFF T
ETP ◄      SET      ►
```
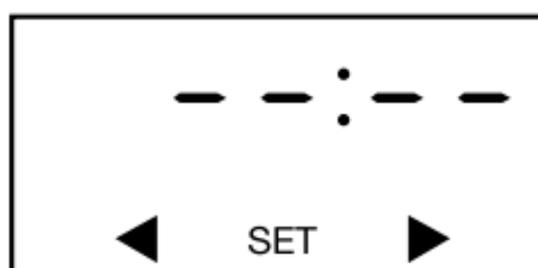
3. Programming the Time and Date:

From first power up, the screen will show --:--
Note: in this mode, the 'Temp', 'Mode' and 'Prog' buttons do not perform any function.

```
  ─ ─ : ─ ─
```
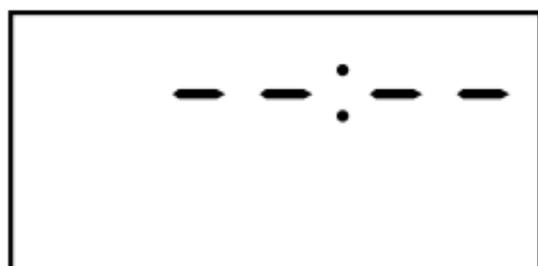
Press 'Time' and hold for 3 seconds.
Whilst holding, the word hold shows.

```
HOLD
```

The hour symbol will blink.
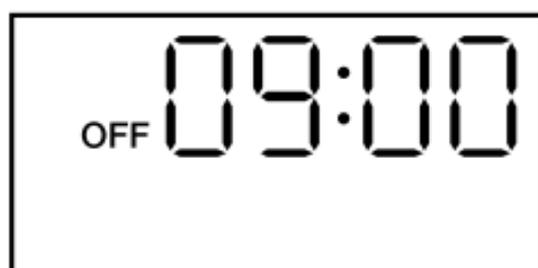
```
— —:— —

◄    SET    ►
```

Use 'Temp' or 'Mode' to set the hour. 'Temp'
increases the numeric value and 'Mode' decreases
the numeric value. The hour is a 24 hour clock.

Use 'Time' to move the blinking to the minutes.

Use 'Temp' or 'Mode' to set the minutes.

Press 'Time' to exit the Time / date entry,
and return to the operating mode.

The display will now read:

```
OFF 09:00
```

Showing correct time, and output status OFF.

Notes about Time entry:

There is no 'time out' if a button is not pushed for any reason during programming the time.

During programming, when the 'Temp' or 'Mode' buttons are held down, the adjusted setting will scroll more rapidly.
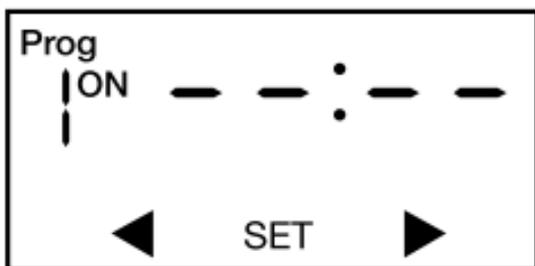
Holding down the 'Time' button for 3 seconds will exit the programming time mode. This can be done at any time during programming.

4. Programming the ON/OFF times:

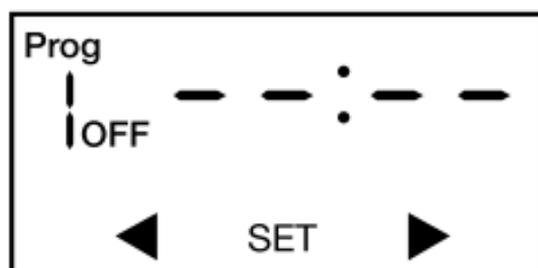Press 'Prog' and hold for 5 seconds.

```
HOLD
```

Display will show prog 1 on, and the hour cursor will be blinking.

```
Prog
  ON  — — : — —

   ◄   SET   ►
```

Use 'Temp' or 'Mode' to set the time, using 'Prog' to change between hours and minutes.

Press 'Prog' to change to programme 1 OFF time.

```
Prog
 |OFF  — — : — —

      ◀    SET    ▶
```
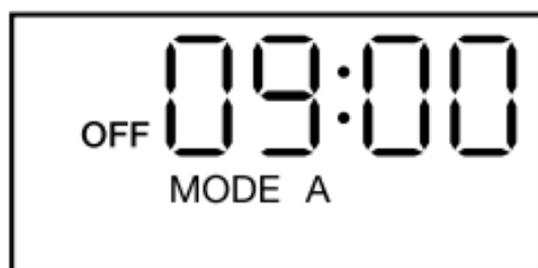
Use 'Temp', 'Mode' and 'Prog' to set the OFF time.

Press 'Prog' to scroll through programme 2 ON, programme 2 OFF, programme 3 ON, programme 3 OFF, adding in times as required.

Press 'Prog' to exit program mode.

At any time during programming, if the 'Prog' button is held down for 3 seconds, the TRT05 will return to operating mode.

The display will now show:

```
 OFF  09:00
      MODE  A
```

Where the time is correct, and the ON/OFF indicator reflects the current programme. The default mode when leaving programming is Auto, depicted by an 'A' on the display.
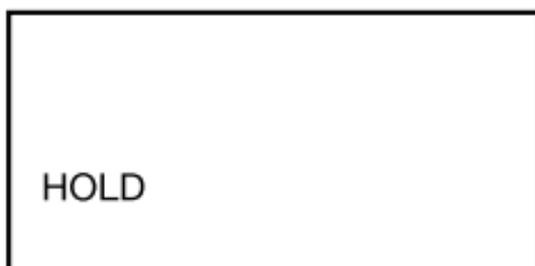
Programming across midnight:

To programme across midnight, enter the start time of the last period (say 20:00), and then leave the end time blank (--:--).

Start the next days ON period at 00:00 and then enter the OFF time that is required.

Setting temperature:

Press and hold the 'Temp' button for 3 seconds.

HOLD

Use 'Temp' and 'Mode' to adjust the set temperature required in 1 degree steps.

◄ SET ►

20 C

Press and hold 'Temp' button to exit temperature adjustment.

Notes on temperature entry:

The default temperature is 20°C.

Temperature set range is 0°C to 35°C
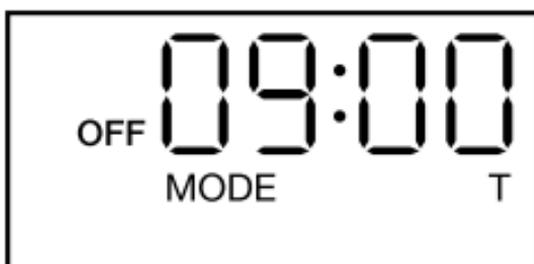
5. Operating Mode:

The TRT05 has four operating modes. Pressing the 'Mode' button scrolls between modes.

Modes are:

A   Auto mode: the output will be controlled by the set temperature only.

ON   The output will be ON, irrespective of the set temperature.

OFF   The output will be OFF, irrespective of the set temperature.

Timed The output will be controlled by the set temperature, between the programmed ON and OFF times. There is only one set temperature. Temperature cannot be set differently for individual timed periods.

During each mode, the display will show:

OFF **09:00**
MODE A

OFF **09:00**
MODE ON

OFF `09:00`
MODE   OFF

OFF `09:00`
MODE   T
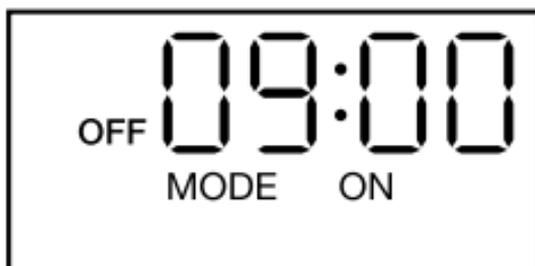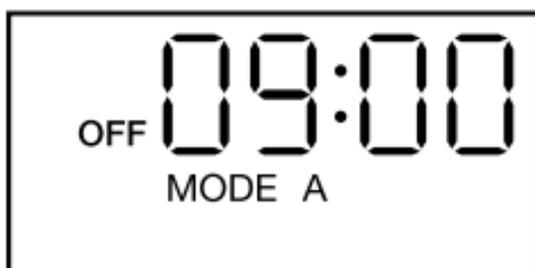
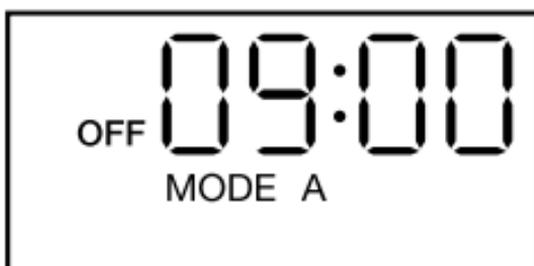In operating mode, if 'Temp' is pressed briefly, the display changes to show the actual room temperature (not the set temperature).

OFF `20 C`
MODE A
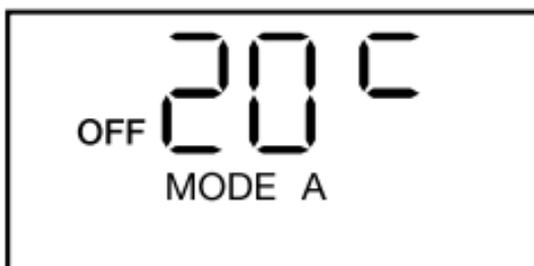
If 'Temp' is pressed briefly again, then the display reverts to showing the time.

OFF `09:00`
MODE A

In both auto, and timed mode, the ON OFF will reflect the output of the TRT05.

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6. Reset

There is a reset button on the back of the TRT05, which is only accessible when the unit is unplugged. This can be used to restore the factory default settings, and blank any programming.

7. Specifications:

Output load capability:	a. Filament 400W.
	b. 3kW resistive load
	c. 2A inductive
Operating temperature:	0°C to +40°C.
Set temperature:	0°C to 35°C.
Operating voltage:	220 – 240V AC 50Hz
Battery life (approx.):	1000 hours.
EC Directives:	Conforms to latest directives.

The internal battery will continue to be charged as long as there is a supply to the unit

The TRT05 is for internal use only.

3 year guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture, within 3 years purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. In years 2 and 3 or any difficulty in the first year please contact our help line on 020 8450 0515.

Note: a proof of purchase is required in all cases. for all eligible replacements (where agreed by Timeguard) the customer is responsible for all shipping/postage charges outside the UK. All shipping costs are to be paid in advance before a replacement is sent.

For assistance with this product
please contact:

HELPLINE
020 8450 0515

or email helpline@timeguard.com

For a product brochure please contact:

Timeguard Limited.
Victory Park, 400 Edgware Road,
London NW2 6ND
Sales Office: 020 8452 1112
or email csc@timeguard.com

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