

**TIMEGUARD®**

# Plug In Thermostat with 24 Hour Time Control

Model: TRT05



Installation & Operating Instructions

# 1. General Information

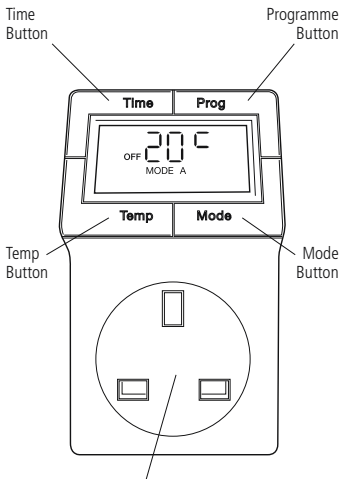
These instructions should be read carefully and retained for further reference and maintenance.

## 2. Safety

- Do not plug in any appliance that exceeds the capacity of the Timer.
- Always ensure the plug of any appliance is fully inserted into the timer outlet.
- If cleaning of the timer is required, remove from mains power and wipe timer with a dry cloth.
- Do not immerse in water or any other liquid.
- For indoor use only.

## 3. Technical Specifications

- 230V AC 50 Hz
- Switch Rating: 13A Resistive (3kW heating)
- 24 Hour Time Period: 3 Programmes
- Manual Override: Permanent ON or OFF
- Operating Temperature: 0°C to +40°C
- Set Temperature: 0°C to +35°C
- Non replaceable factory fitted rechargeable battery: 4 Weeks
- CE Compliant



For all 13A appliances  
up to 3kW

## 4. Battery

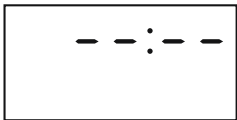
- Before programming for the first time, connect the unit to the mains for at least 15 minutes prior to pressing the reset button.

Note: The reset button is located 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.

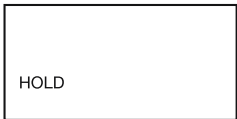
- If the screen is completely blank the device will need to be fully re-charged. Plug in for 4 hours and press the reset button, located on the back of the device, to bring the screen on.
- The factory fitted non replaceable battery will keep the programmed times during power down situations for up to 4 weeks.
- The internal battery will continue to be charged as long as there is a supply to the unit.
- Battery life (approx.) 1000 hours.

## 5. Programming the Time

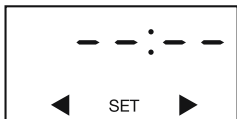
- From the first power up and reset, the display will show the following 4 dashes, indicating the device is ready to be programmed;



- Press and hold the 'TIME' button for approximately 3 seconds. Whilst holding the word 'HOLD' will be displayed;



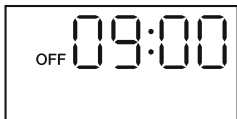
- Release the button when 'SET' is displayed. The hour cursor will blink;



- Use the 'TEMP' button to increase the numeric value, or 'MODE' button to decrease the numeric value. The clock is set in 24 hour format.

Note: When the 'TEMP' or 'MODE' buttons are held down, the adjusted setting will scroll more rapidly. Holding down the 'TIME' button for approximately 3 seconds will exit the programming time mode (this can be done at any time during programming).

- Set the hour and press the 'TIME' button to move to the minutes.
- Use the 'TEMP' or 'MODE' button to set the minutes.
- Press the 'TIME' button to save and exit the Time/Date entry and return to the operating mode.
- The display will now show the correct time, and the output status will show OFF. See the below example;



## 6. Setting the Temperature

- Press and hold the 'TEMP' button for approximately 3 seconds. Whilst holding the word 'HOLD' will be displayed;



- Release the button when 'SET' is displayed. The temperature will blink;



Note: The default temperature is 20°C.  
The temperature set range is 0°C to 35°C.

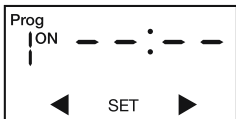
- Use the 'TEMP' or 'MODE' button to adjust the set temperature in 1 degree steps.
- Press and hold the 'TEMP' button to save and exit the temperature adjustment. Once the current time is displayed, release the button.

## 7. Programming ON/OFF Times

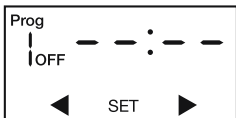
- Press and hold the 'PROG' button for approximately 3 seconds. Whilst holding the word 'HOLD' will be displayed;

HOLD

- Release the button when 'SET' is displayed. The Display will also show 'Prog 1 ON', and the hour cursor will blink;



- Use the 'TEMP' or 'MODE' button to set the hours.
- Press the 'PROG' button to save and move to the minutes.
- Use the 'TEMP' or 'MODE' button to set the minutes.
- Press the 'PROG' button to save and move the 'Prog 1 OFF' time;



- Use the 'TEMP' or 'MODE' button to set the hours.
- Press the 'PROG' button to save and move to the minutes.
- Use the 'TEMP' or 'MODE' button to set the minutes.
- Press the 'PROG' button to save and move to the 'Prog 2 ON' time. Follow the same procedure if more ON/OFF times are required, there are 3 ON/OFF programmes available.  
Note: If no more ON/OFF times are required, leave the remaining programs set to 4 dashes '--:--', and hold down the 'PROG' button for approximately 3 seconds. This will save and exit the programming time mode (this can be done at any time during programming).

## 7.1. Programming across midnight

For example: an ON time of 22:00PM,  
and an OFF time of 02:00AM;

- Using program 1, enter your ON time.  
Using the above example this will be 22:00.
- Leave the OFF time set to 4 dashes '--:--'.
- Using program 2, enter an ON time of 0:00 (i.e. midnight).
- Enter your OFF time. Using the above example this will be 02:00.

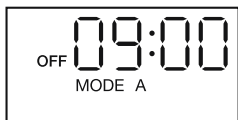


## 8. Operating Mode

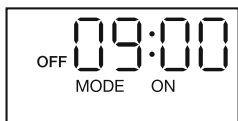
The TRT05 has four operating modes. You can press the 'MODE' button to scroll between these modes. Select one of the following modes after you have completed programming.

The Modes are;

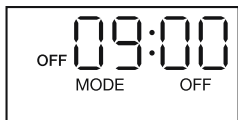
**MODE A** – Auto mode: The output will be controlled by the set temperature only.



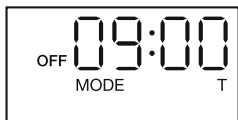
**MODE ON** – Permanently ON: The output will be ON, irrespective of the set temperature.



**MODE OFF** – Permanently OFF: The output will be OFF, irrespective of the set temperature.



**MODE T** – Timed mode: The output will be controlled by the set temperature, between the programmed ON and OFF times. There is only one set temperature and this cannot be set differently for individual timed periods.



## 8.1 Display Options

You have the option to display the current time or the actual room temperature.

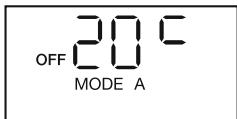
By default the device will display the current time once programmed.

- In normal operating mode, if the 'TEMP' button is pressed briefly, the display changes to show the actual room temperature (not the set temperature);

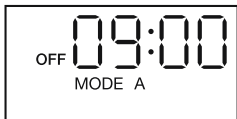
You have the option to display the current time or the actual room temperature.

By default the device will display the current time once programmed.

- In normal operating mode, if the 'TEMP' button is pressed briefly, the display changes to show the actual room temperature (not the set temperature);



- If the 'TEMP' button is pressed briefly again, then the display reverts to showing the current time;



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

## 10

### 3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For the second and third years or any difficulty in the first year telephone the helpline 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 of the UK. All shipping costs are to be paid in advance before a replacement is sent out.

If you experience problems, do not immediately return the unit to the store. Telephone the Timeguard Customer Helpline;

HELPLINE  
**020 8450 0515**

or email  
[helpline@timeguard.com](mailto:helpline@timeguard.com)

Qualified Customer Support Co-ordinators will be on-line to assist in resolving your query.



**Deta Electrical Co Ltd**  
Panattoni Park, Luton Road,  
Chalton, Bedfordshire, LU4 9TT  
Sales Office: 020 8452 1112  
or email [csc@timeguard.com](mailto:csc@timeguard.com)  
**[www.timeguard.com](http://www.timeguard.com)**