

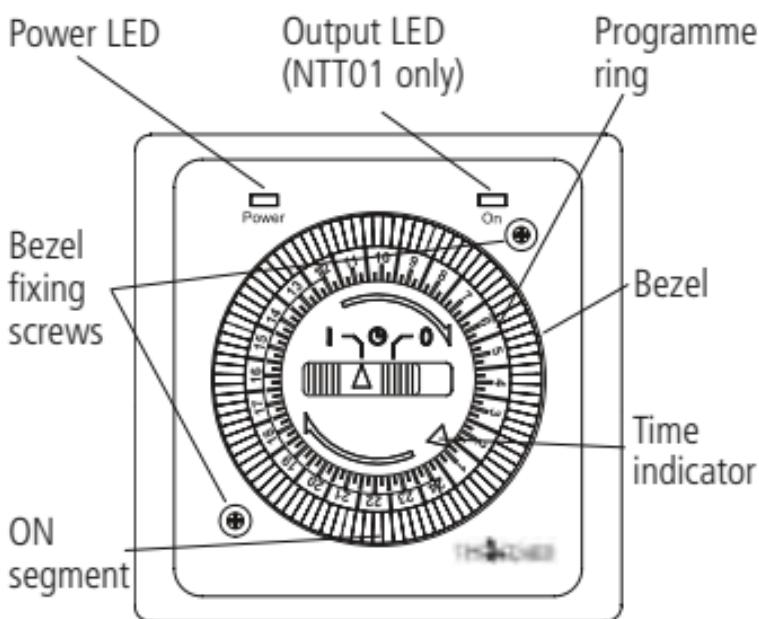
# 24 Hour Mechanical Time Switch

Model: NTT01  
Immersion Timer



Installation & Operating Instructions

# NTT01 – Immersion Timer



## 1 Time control segments:

1 segment = 15 minutes,  
push segment down  
for ON, pull up for OFF.

## Control switch:

1 = permanently ON,  
Timer symbol = timed  
control,  
0 = permanently OFF.

## 1. General:

This time switch is a compact and easy to use segment timer, which fits on a single gang wall box. It can control outputs of up to 16A which makes it suitable for domestic immersion heaters.

## **2. Features:**

Permanent ON/OFF facility. This enables the heater under control to be turned OFF when alternative methods of heating are available, or during a holiday period. It also enables the heater to be permanently turned ON.

Shortest switching time of 15 minutes increasing in 15 minute steps.

Up to 48 programmes per day.

## **3. Installation:**

**Important: Switch off mains electricity before commencing work.**

Remove the two bezel fixing screws, and remove bezel from timer module and back plate. Separate the timer module from the back plate, and remove the wall fixing screws.

Ensuring that the free terminals on the back plate are at the top, connect the installation wiring to the terminal block, according to the legend on the wiring label.

The earth wires should be connected to the wall box earthing terminal, or should be connected together using a single way connector block if there is no suitable earth terminal in the back box.

Fit the wall mounting screws through the back plate into the wall box threaded holes, and tighten until the back plate is firmly fastened.

Fit the timer module to the back plate, ensuring the time indicator is on the bottom right hand side, and the locating holes on the timer are set correctly on the pegs on the back plate.

Fit the bezel over the timer module, and secure to the back plate with the two screws provided.

For other wiring, the terminals are marked as follows:

**L** Live supply.

**N** Neutral supply.

**N OUT** Neutral to immersion heater.

**SL** Live output to immersion heater .

## 4. Programming the time switch:

- a) Decide what times you would like the time switch to switch ON and OFF.
- b) Push the required segments down for the duration of an ON period, and pull them up for the duration of an OFF period. The minimum switching interval is 15 minutes, and this can be increased in 15 minute steps.
- c) Set the correct time, by rotating the dial clockwise until the correct time is indicated by the triangular pointer. Note that as the dial is rotated there will be an increased resistance to turning as ON/OFF periods are passed.

### Points to note:

The segment dial can be turned whilst the time controller is operating.

In case of power failure, re-adjust the time controller to the correct time of day by turning the dial in a clockwise direction until the correct time is indicated by the pointer.

## **5. Permanent Override:**

The main slider on the timer can be set to permanent ON by sliding it to the left, aligning the arrow head to the 1 symbol.

In the middle position, with the arrow head pointing at the timer symbol, the timer is in automatic mode.

If the slider is moved to the right, and the arrow head points at the 0 symbol, the timer is permanently OFF.

## **6. Specifications:**

Operating temperature: 0°C to 40°C

Operating voltage: 230V 50Hz

Switch rating: 16A resistive,  
6A inductive

Minimum depth  
of wall box: 25mm

Switch type: 22A micro switch

Volt free contact: No

Contact type: Normally open

Power ON light: Yes

Output Light: Yes

Time period: 24 hours

### **Note:**

**Product not suitable for discharge lighting.**

## **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 years 2 and 3 or any difficulty in the first year telephone the helpline on 020 8450 0515.



For assistance with the product please contact:

**HELPLINE  
020 8450 0515**

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



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