

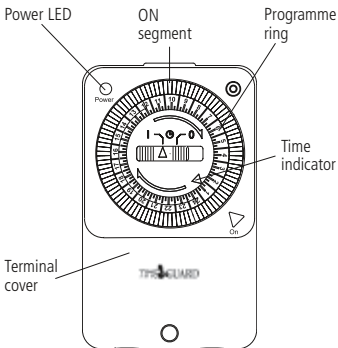
# 24 Hour Mechanical Time Switch

Model: NTT05  
General Purpose Timer



Installation & Operating Instructions

# NTT05 – General Purpose Timer



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## **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, for wall mounting. It can control outputs of up to 16A which makes it suitable for domestic immersion heaters.

The NTT05 comes with a link in place which can be removed to provide volt free contacts if required, making it suitable for a wider range of switching applications. If volt free is not required, the link must be left in place.

## 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:

**We recommend that this unit be fitted by a qualified electrician. Install in accordance to wiring and current building regulations. Please read the instructions carefully. If in any doubt contact the Timeguard Helpline.**

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

Remove the terminal cover. Fix the unit to the wall with the mounting screws provided. Fix the top screw first and leave 2.5mm proud, place the key hole in the top of the product over the screw head and slide down. Then mark and drill the lower fixing. Secure unit to the wall.

The wiring can enter through the rear knock outs or the cable entry ports provided. If the wiring is not through the knock outs, use the cable clamps provided to secure the cables.

Connect the installation wiring to the terminals provided, according to the legend on the terminal.

**Note: the NTT05 is supplied with a wire link in place. This should not be removed unless voltage free contacts are required. If the link is removed then the output light will no longer function.**

For other wiring, the terminals are marked as follows:

**E** Earth continuity.

**N** Neutral supply.

**L** Live supply.

**1** Live Input for volt free output  
(if required, if not, leave wire link in place).

**2** Normally open switch live output to heater or other appliance.

**3** Normally closed switch live output to heater or other appliance.

## 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. Segments which are down send output voltage to terminal 2, segments which are up send output voltage to terminal 3.

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,  
8A inductive,  
1 HP, 750W incandescent,  
750W halogen,  
750W fluorescent,  
100W compact fluorescent.

Switch type: 22A micro switch

Voltage free contact: Yes, if wire link is removed

Contact type: Normally open and normally closed

Power ON light: Yes

Output Light: No

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.

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 the product please contact:

HELPLINE

**020 8450 0515**

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



For a product brochure please contact:

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