

TT-MTC2-4A Electronic Timer/Thermostat

USER INSTRUCTIONS

Model: TT-MTC2-4A

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1. Features

The TT-MTC2-4A is an electronic timer-thermostat with preset temperature control, which allows a load to be switched over a preset period: 2, 4 and 6 hours. The controller senses the ambient temperature in the room and maintains the room temperature to your desired 'Comfort' setting during a 'timer on' period. The TT-MTC2-4A also has the added feature of a 'Backup' temperature setting. This allows you to set a level where if the room temperature drops below the 'Backup' setting the heater will come on and maintain that set temperature even outside a 'timer on' period. This reduces the heat-up time when the timer is turned on and offers frost protection as well. You can also use the TT-MTC2-4A as a timer only, this may be required if you wish to control heaters mounted in an outdoor undercover location.

NB: If rooms are to be unattended for long periods of time (weeks) and you are in a cold area you may wish to turn off the heaters at the switch board or isolator to prevent unnecessary "backup" operation.



2. Specification Data

Model	Supply	Max. Load	Power
TT-MTC2-4A	230-240 volt AC	13 Amps (resistive)	3100 Watts

3. Operations Instructions

To set 2 hour/4 hour/6 hour mode

- Press the On/Off button once and the **2 hour** LED light will come on.
- Press the On/Off button again and the **4 hour** LED light will come on.
- Press the On/Off button again and the **6 hour** LED light will come on.
- Press the On/Off button again and the unit will turn off.

NB: The Power LED will be lit up when the heating is on.

Temperature Control Settings

Comfort: 18°C – 26°C

Backup: 5°C – 15°C

NB: The above temperature parameters will be set by the Installer..

4. Installation

Installation Guidelines:

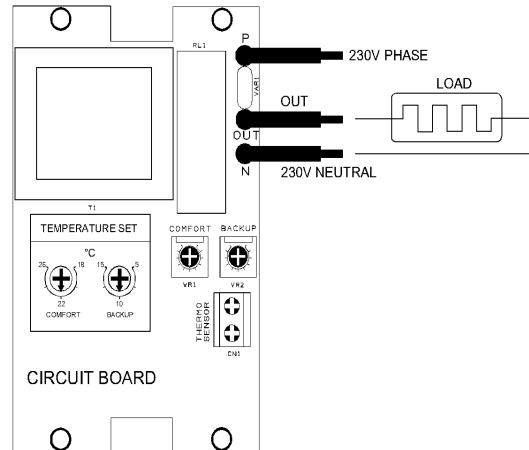
- All electrical connections are to be performed by a registered electrician only, as required by law.
- Ensure that the supply is disconnected at the distribution board.
- All connections are secure and tested prior to activation.
- You have studied and fully understood the connection diagram.
- Thermostat must be installed in the same room as the heating system.
- The thermostat must be installed on an inside wall
- Avoid location where there are air drafts (top of staircase, air outlets), dead air spots (behind doors), direct sunlight or concealed chimneys.
- Must be installed using a plastic (not metal) wall box (i.e. Clipsal 157/1P).



Fig.1

WIRING NOTE

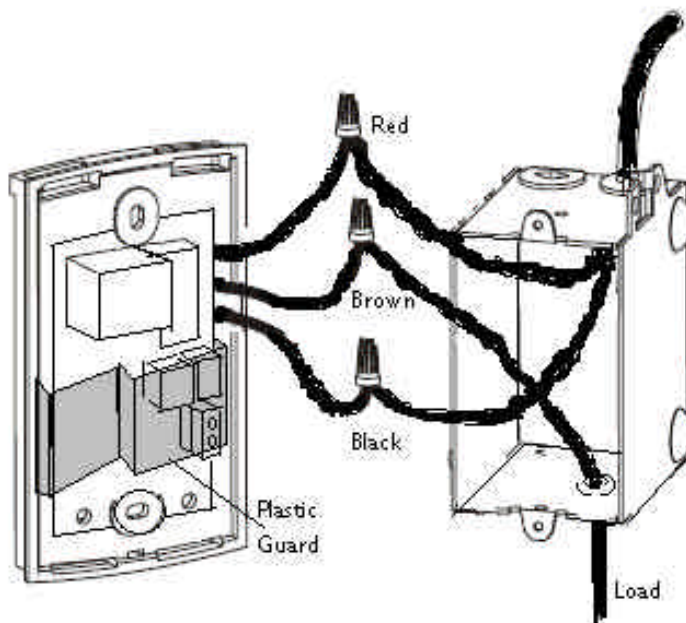
- Phase (red)
- Element (brown)
- Neutral (black)



Installation Steps

- VR1 (comfort) sets the comfort temperature. Use a screw driver to adjust the temperature between 18°C and 26°C.
- VR2 (backup) sets the backup temperature. Use a screw driver to set the temperature between 5°C and 15°C. (Recommend to set at low end of scale)
- Connect the timer wires to the power and load wires using appropriate connectors.
- Install the plastic protective barrier (supplied) as shown in fig.2 to ensure segregation between low voltage and extra low voltage wires or components.
- Push wires into wall box and using the two screws provided secure the timer to the wall box.

Fig.2



Timer Only (outdoor undercover)

- To use the TT-MTC2-4A as a timer only, no thermostat control simply connect a 15K ohm resistor to the green terminals labeled THERMO SENSOR on the back of the unit. Then adjust VR1 to 26°C and VR2 to 5°C.

5. Product Warranty

Thermofilm warrants to the original owner that TT-MTC2-4A products will be free from defects in materials and workmanship for a period of **12 months from date of purchase** in accordance with the following warranty terms and conditions.

Provision of the Warranty is subject to:

- The customer has not repaired or altered the product in any unauthorised manner.
- Thermofilm obligation under this warranty is limited to repair or replacement at Thermofilm's factory of any components of the product which Thermofilm identifies to its satisfaction to be defective. In no event will Thermofilm be liable for consequential loss resulting from use of the product.
- Transportation charges involved in return of the product to the Thermofilm factory (or any other location authorised in writing by Thermofilm) is the sole responsibility of the customer.
- Thermofilm does not participate in any site related costs or labour expenses incidental to replacement of parts, repairing, removing, installing, servicing, transportation or handling of parts or complete products, and assumes no liability on parts repaired or replaced without written authorisation.
- All warranty requests for repairs or replacements must be accompanied by a completed "Warranty Claim Form" available from Thermofilm, together with proof of purchase (and wherever possible, photos of the installation).
- No product or components will be supplied in advance of an examination of the faulty product or components by Thermofilm or an authorised representative of Thermofilm.
- The warranty excludes damage to the product or components arising from circumstances outside the control of Thermofilm, including, without limitation, where the product is not used for intended purpose, where the product has been rectified in any way, incorrect installation, incorrect power supply, damaged caused during delivery, misapplication, misuse, abuse, vandalism, lack of maintenance or accident.
- Thermofilm shall not be liable for any default or delay in performance of its warranty obligations caused by any circumstances beyond its control, including, without limitation, judicial or government restrictions, strikes, fires, floods, abnormal weather conditions, delayed supplies of components.
- All products are inspected and tested before dispatch and are at the risk of the purchaser after shipment from the Thermofilm factory, if not delivered by Thermofilm to destination.
- Should products be determined as damaged on arrival, immediately notify the transport company of the condition and have them noted on the freight documents. If damage is discovered after unpacking, demand immediate inspection by the transportation company and insist that a record of the damage is made on the freight documentation.

The Customer warrants to use the product in accordance with:

- Any instructions provided to it by Thermofilm from time to time.
- All government and local regulations, including, but not limited to all relevant electrical, environmental laws and regulations governing the installation, storage use, handling and maintenance of the goods.
- All necessary and appropriate precautions and safety measures relating to the installation, storage, use, handling and maintenance of goods.

