



24 hour, Single Channel Mechanical Wireless Programmer and Room Thermostat – Part No. CT100002

The mechanical wireless programmer and room thermostat is a 24 hour radio frequency (RF) wireless thermostat / timer, which communicates with a receiver designed to fit in the clock aperture of the boiler control panel. The unit can be pre-programmed to provide maximum and minimum room temperature control. The 24-hour clock can be set in 15 minute increments to provide central heating as required. The programme can be overridden with a manual control which is built-in to the transmitter clock, and the two temperature levels can be adjusted using the temperature setting dials.

The batteries should operate the unit for approximately 18 months to 2 years depending on the number of switching operations etc. Only good quality alkaline batteries should be used.

Low battery warning is indicated when the transmitter NEON flashes yellow. (Change the batteries as soon as possible). A red flashing NEON on the transmitter indicates the batteries are too low for the unit to correctly function.

Note: If the batteries are not replaced and no valid signal is received from the Transmitter, the Receiver's neon light will flash every 0.5 seconds. After 1 hr the boiler will operate in 'Emergency mode' (heating on for 4 min. and off for 9 min.) until the batteries are replaced.

Note; always press the reset button after removing or replacing the batteries.

This timer is suitable for installation as a time controller for:

ATAG iC 24 Combi

ATAG iC 28 Combi

ATAG iC 36 Combi

ATAG iC 40 Combi

ATAG Economiser 27

ATAG Economiser 35

ATAG Economiser 39



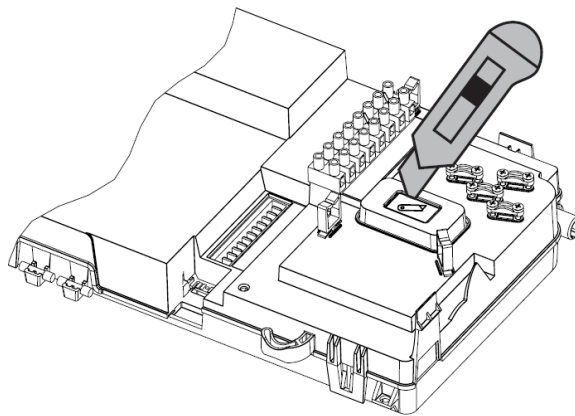
WARNING. This unit must be installed by a skilled electrician in accordance with the current I.E.E. Wiring Regulations.

ALWAYS switch off and disconnect the electricity supply to the appliance before installing the programmer. Merely switching the boiler ON/OFF switch to 'OFF' will still leave a live feed to the boiler.

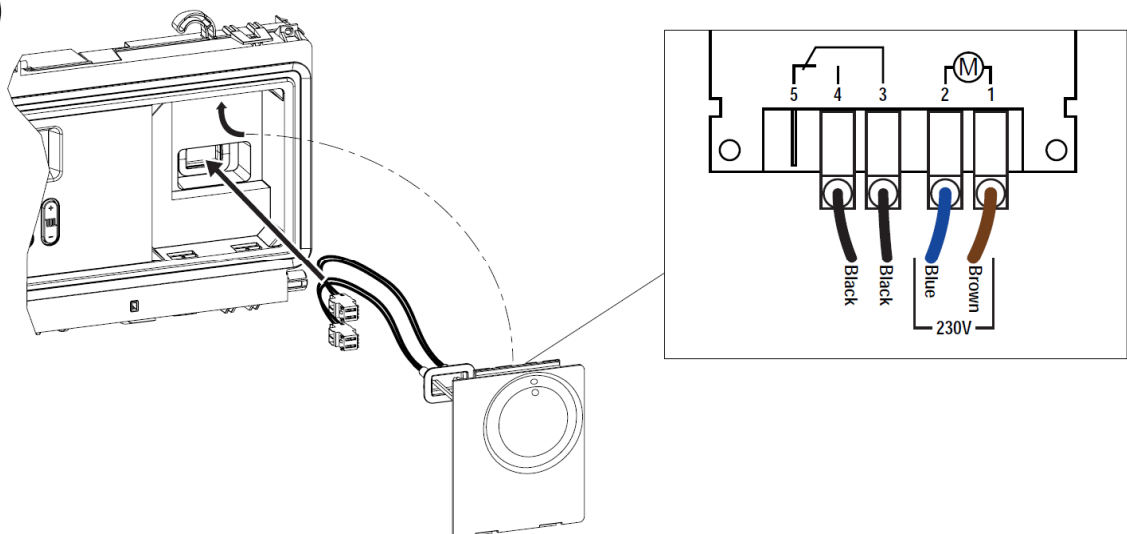
1. To install the receiver

1. Turn the power off to the boiler
2. Remove the boiler front panel and swing the control panel into the service position. Refer to boiler Installation & Servicing Manual.
3. With a sharp knife, cut out the small plastic cutaway (fig 1) to allow the wires to go through and the wires grommet to secure into position.
4. Remove the blank clock control panel and feed the wires through to the back (fig 2). Fit the new receiver front panel into the fascia of the boiler.
5. Check the wires grommet is in the correct position (fig 3).
6. Fit the black connector with two black wires onto the volt free connection next to the black label with a house symbol and on / off below (fig 4).
7. Remove the small electrical blanking cover and fit the White connector with brown and blue wires to the 230v ac connection terminals (fig 4).
8. Secure the wires in to wire clips as shown in fig 5.
9. Swing the control panel back up into operating position.
10. Power up the boiler and check for correct operation.

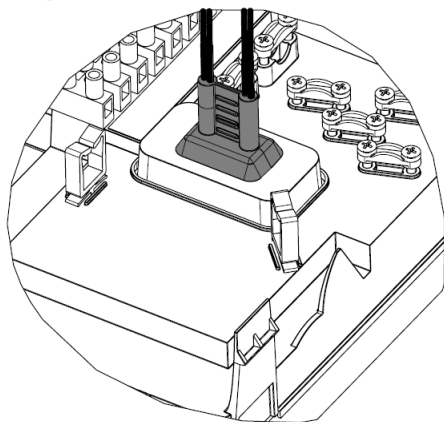
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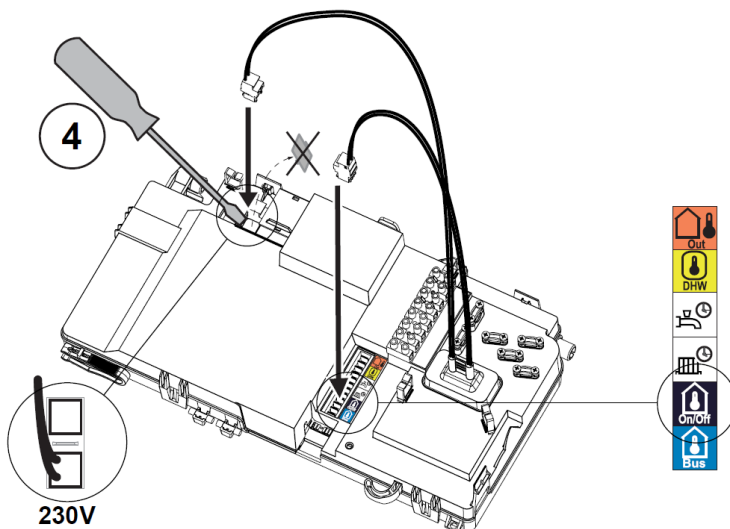
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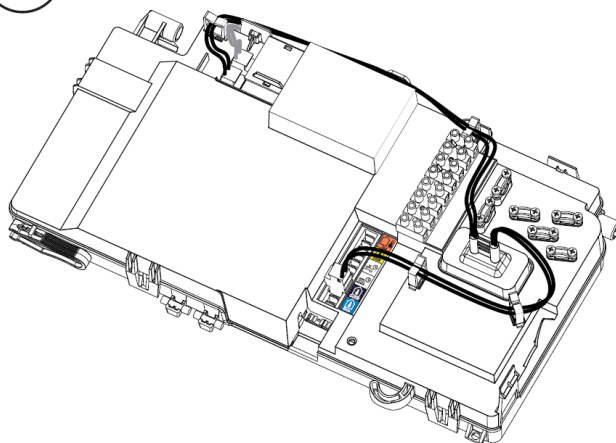
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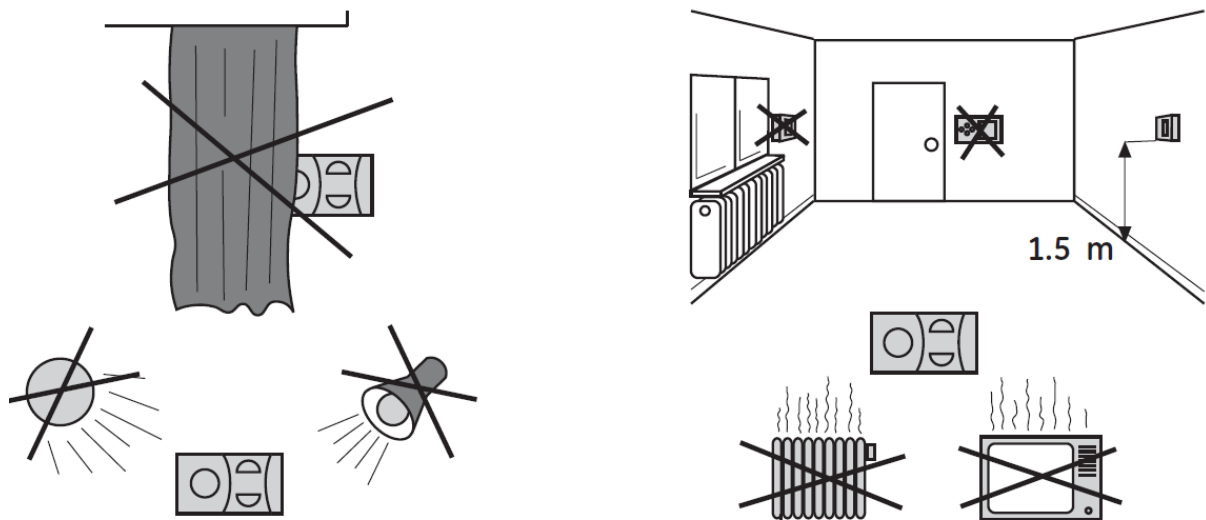


2. Installation of Transmitter

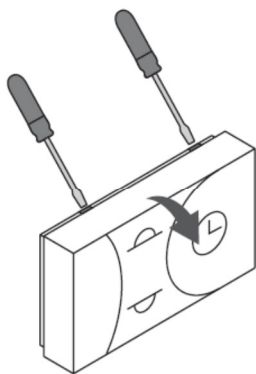
Locate and fit the Transmitter to the wall 1.5m from the floor, taking into consideration where not to position the transmitter as shown in the next diagram.

The following can reduce, deflect or block radio frequency signals between the Transmitter and Receiver.

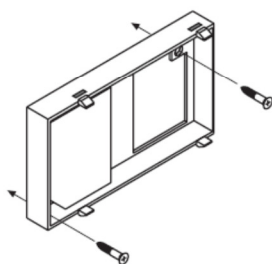
- a. Steel reinforced walls.
- b. Large metallic objects e.g. kitchen appliances, filing cabinets, mirrors etc.
- c. Maximum distance between Receiver and Transmitter is:-
 - i. In open air 50m.
 - ii. In building 20m to 30m depending on radar obstruction.



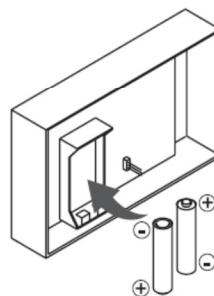
1. Remove wall mounting rear panel from Transmitter



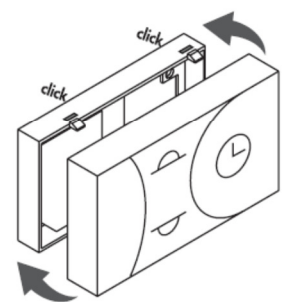
2. Secure rear panel to wall



3. Fit batteries



4. Re-assemble Transmitter to rear panel




Ensure the batteries (2 x 1.5V L26/AA) are correctly fitted

3. Commissioning

The Mechanical Thermostat and Receiver are pre commissioned (paired) at the factory.

However, if the Receiver or Transmitter has been changed then full commissioning will be required as follows:-

- Turn on electrical supply to boiler and press heating selector + button until  symbol is displayed
- Press and hold black button on Receiver until the neon light has flashed twice.
- Release the button and the neon light will remain illuminated.
- Insert the batteries into the transmitter - the transmitter will immediately send signals.
- When a signal is received from the transmitter, the receiver neon will go out. The radio link between the Transmitter and Receiver is now established.

Note: When in operation and an 'ON' signal is received the Receiver neon will illuminate continuously. When an 'OFF' signal is received the neon will remain off, but will flash intermittently.

4. Setting instructions

Note: Panel (A) slides back to reveal a quick reference user instructions (B).

The Programmable Room Thermostat Transmitter (C) has two temperature operating levels, 'Maximum' and 'Minimum'.

'Maximum' Mode: This is set using the 'Maximum' dial (5°C to 30°C) and will set the temperature to the level desired when the property is occupied (e.g. 21°C).

'Minimum' Mode: This is set using the 'Minimum' dial (5°C to 15°C) and will set the temperature to the level desired when the property is unoccupied or at night (e.g. 10°C).

To Set The Time: Slide the cover (D) off the unit. Rotate the timer clock clockwise until the time is correct as indicated by the timer pointer.

To Set The 'Maximum' & 'Minimum' Central Heating Times: Move the tappets outwards for 'Maximum' times and inwards for 'minimum' times. Each tappet = 15 minutes.

Summer: During the summer it is recommended that 'Minimum' is selected using the 3 position switch.

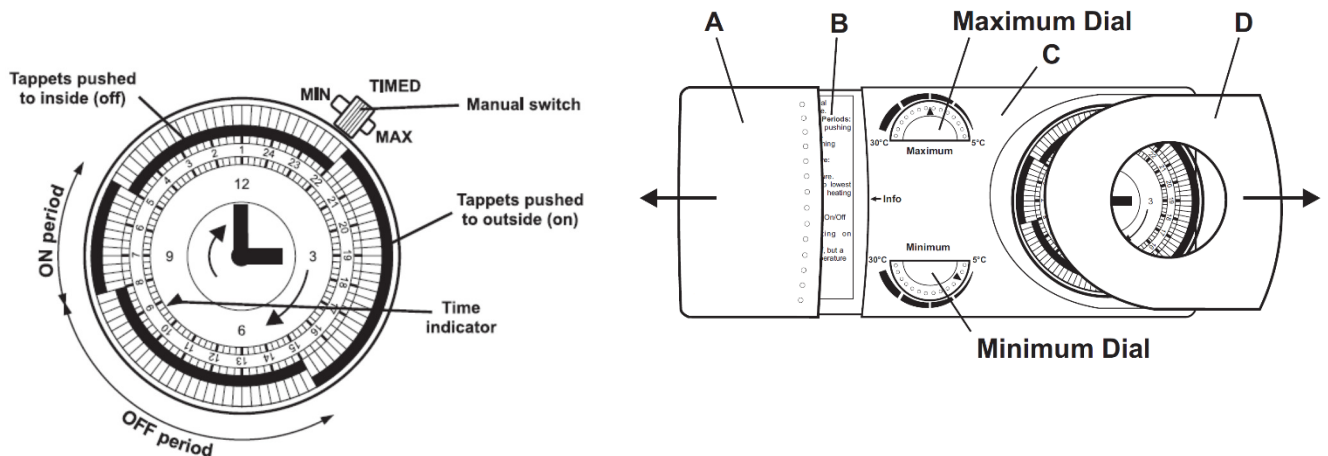
Holiday Periods: When going on holiday set both dials to 5°C to provide frost protection of the property.

Manual Switch: The clock has a manual heating ON/OFF switch which operates as follows:

TIMED position - Heating On/Off as set by tappets.

MAX position - Heating On continuously.

MIN position - Heating Off, but a minimum set room temperature is maintained.



Warranty

This control is guaranteed against manufacturing defect for a period of 12 months from the date of installation.

This Guarantee does not cover replacement of batteries or cosmetic damage to the controller.

ErP Regulation

Regulation EU 811/2013, supplementing
Ecodesign and Energy Labelling Directive 2010/30 EU:

This thermostatic control device is rated **Class I**
Correction factor (contribution to system energy efficiency) **1%**

Notes:

