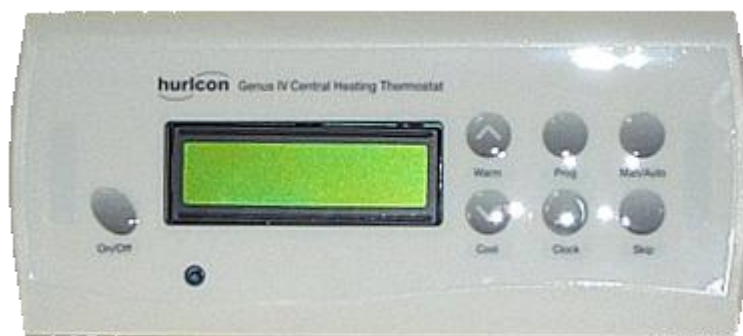




# Genus IV Hydronic Central Heating Thermostat

## INSTALLATION AND OPERATING INSTRUCTIONS



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# INSTALLING THE GENUS IV CENTRAL HEATING THERMOSTAT.

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The Hurlcon Genus IV room controller is only compatible with Hurlcon Hydronic boilers marked 'GIV compliant'.

**Note:**

The appliance is not intended for use by young children or infirm person without supervision. Please ensure that young children are supervised to ensure that they do not play with the appliance.

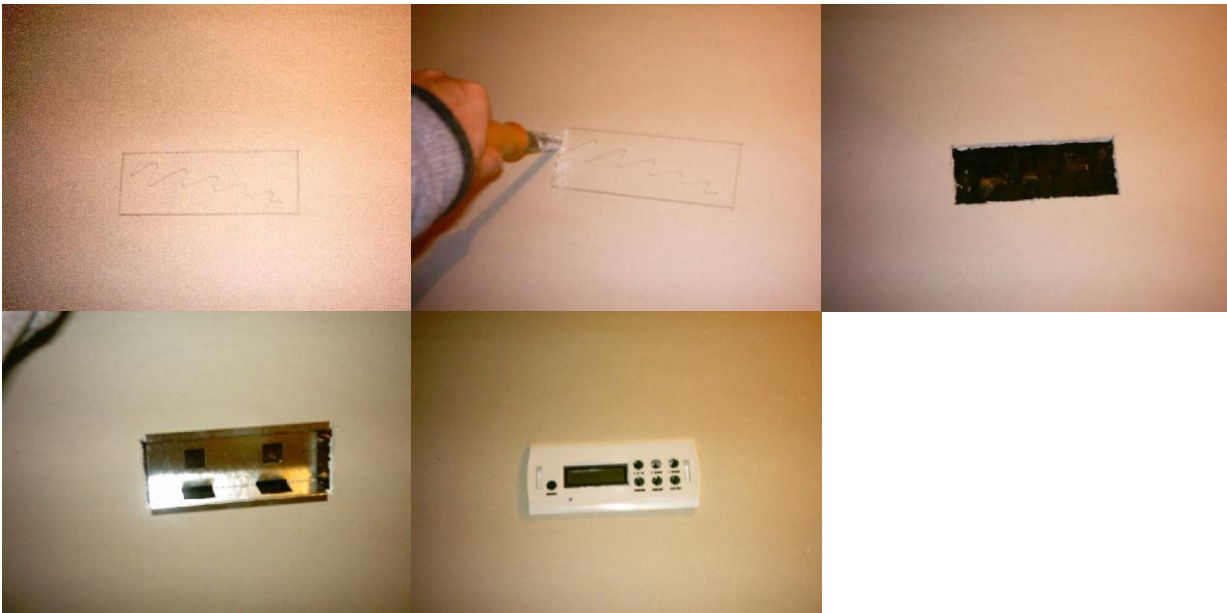
## Thermostat location and Installation.

- The Genus IV room thermostat should be fitted in the main living area or room that you wish to have the most accurate control over.
- Avoid locations where the thermostat will be exposed to direct sunlight or draughts, such as near windows or doorways, or affected by heating sources.
- Mounting height should be approximately 1500mm above floor level.
- The unit can be flush mounted by using the bracket and flush mount housing, or surface mounted.

Run the 6 core cable (purchased separately) from the boiler to the selected thermostat location. Do not connect at the boiler end until the room controller mounting is complete.

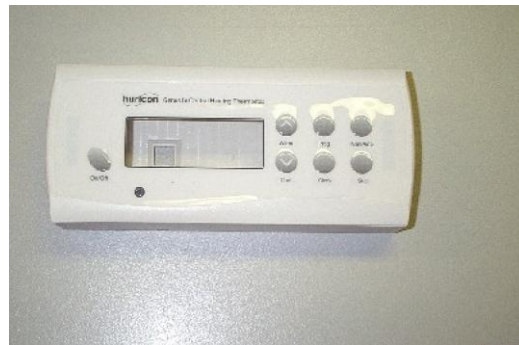
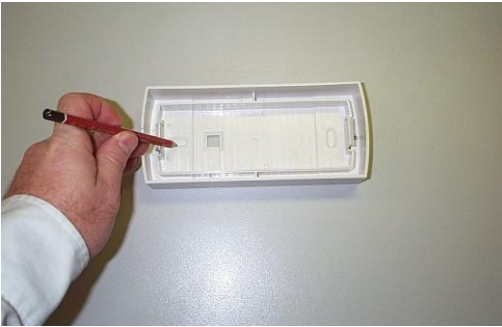
## Flush mounting

Select a suitable location ensuring that there are no likely obstructions where the hole will be cut. Cut a hole 175mm x 67mm using the template supplied. Pull the cable through the left hand knock out of the metal bracket. Fit the metal bracket into the hole and bend the tabs down to fit. Plug the cable into the RJ socket on the back of the housing. Slide the controller into the bracket ensuring that the cable feeds back into the wall cavity until it is flush. The rubber gasket will hold the thermostat in place.



## Surface mounting.

Select a suitable location for the thermostat. Mark the mounting holes making sure the housing is the right way up. Bring the 6 core cable through the wall. Mount the base to the wall (fixings not supplied). Remove the flush mount housing from the rear of the thermostat. Plug the cable into the RJ socket and snap the controller into the base.



The cable can now be plugged into the boiler Genus controller as shown. The cable may be plugged into either of the RJ connectors.



With the power to the boiler turned on, the Genus IV room thermostat will be powered up and ready for programming.

**The boiler will automatically learn that it is connected to a Genus IV room thermostat. If after a few minutes of being powered up communication does not take place a manual setting can be made at the boiler to configure the controller. Refer to page 11 in the boiler instruction manual for details.**

## Programming the Genus IV Central Heating Thermostat.

Before beginning, the boiler must be commissioned and powered up to enable programming of the Hurlcon GIV Central Heating Thermostat. The thermostat is powered by low voltage from the boiler.

To activate the LCD display back lighting press any button once. After no buttons are pressed for a short period the display will automatically dim.

### What do all the buttons do?

#### **On / off**

Turns the controller and boiler system off or on. In the off mode the display will still function and show room temperature and time.

#### **Arrows**

Used to adjust settings up or down.

#### **Prog**

Used to select programming mode for time periods.

#### **Clock**

Used to set the system time.

#### **Man / auto**

Toggles between automatic and manual operation.

#### **Skip**

Allows a one button push to jump into the next programmed time period.

## Programming.

Once installation is complete and the cable connected at the boiler the Genus IV room controller display should be on. The room controller derives its power from the boiler therefore the boiler must be switched on during this process.

### Setting the Clock.

The clock is in 24hr format. Time periods can be set in 1 minute intervals.

With the display showing the room temperature, push the button marked 'clock'. The display will indicate the current day. Push the up or down button until the correct day is displayed. Push 'clock' again to set the time. Push the up and down buttons to set the hour. Push 'clock' again. Push the up and down buttons to set the minutes. Push 'clock' again when the time is set, the display will revert to Room Temperature and lock the settings to memory.

Once you have finished programming 'clock' must be pressed to cycle through any remaining settings until the display returns to the room temperature.

## Programming time periods.

The thermostat can be programmed for Monday to Friday (M-F) and weekend (WE) operation with two time periods per day (P1-P2)

With the display showing the room temperature, push the button marked 'prog'. The display will show 'M-F P1 on at' and a time. Push the up or down button until the desired start time is displayed. This changes in 10 min intervals. Push 'prog' again to set 'M-F P1 on Temp'. Push the up and down buttons to set the desired temperature. Push 'prog' again. 'M-F P1 off at' is now displayed. Push the up or down button until the desired off time is displayed. This changes in 10 min intervals.

Push 'prog' again to set the 'P2' time and temperatures as above.

Push 'prog' again to set the 'Sleep Temp'. Push the up and down buttons to set the desired temperature. A setting below 10° turns the system off during the sleep period.

Push 'prog' again to set the weekend 'W/E' time and temperature periods as for Monday to Friday.

Once the 'W/E Sleep Temp' has been set pushing 'prog' again you will be prompted to save settings 'yes' or 'no'. Select yes by pushing the up arrow or no by pushing the down arrow. The display returns to the room temperature.

If you have finished programming and have not cycled all of the way through the settings, 'prog' must be pressed to cycle through any remaining settings until prompted to save settings 'yes' or 'no'. Select yes by pushing the up arrow or no by pushing the down arrow. The display returns to the room temperature.

## Manual and Automatic modes.

Pushing the 'auto / man' button selects automatic or manual operating modes.

Automatic.

The heating system will operate on the time and temperature settings programmed. The display shows the actual and set temperatures, time period and auto.

Manual.

The heating system will operate continuously to the set temperature displayed. To adjust the set temperature push the up or down button. To resume automatic operation push the 'auto / man' button again.

## Skip.

In automatic mode if the 'skip' button is pushed the controller jumps ahead to the next programmed time period. For example if the controller is programmed for P1 off at 8.00am and at 7.30 you are ready to leave the house and don't need the heater on. Pushing the skip button will send the controller to the 'P1 off' time and temperature settings. Pushing 'skip' again will revert the controller back to the current period. The controller resumes automatic operation at the next programmed switching time in this case 'P2 on'.

## On / off

The boiler can be turned on or off by pressing the 'on/off' button at any time. The Genus controller on the boiler will display Set Temp, Actual Temp and OFF. If the boiler was running the pump inside the boiler may run on for a short time.

## Battery.

The battery fitted to the thermostat is for volatile memory back up only, and should last many years. For service or replacement parts contact your installer or nearest Hurlcon office.

## WARRANTY.

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Your Genus IV thermostat is covered by a limited 12 month warranty against defects in materials or manufacture from the date of purchase plus 30 days to allow for installation.

This warranty covers goods returned to Hurlcon for inspection, and Hurlcon will repair or replace at its discretion any goods deemed faulty after such inspection.

Hurlcon shall not be responsible for consequential damages of any kind. This warranty does not cover damage caused by accident or misuse. The warranty is only valid when the thermostat is used for the purpose for which it is intended and installed with a Hurlcon *GIV compliant* boiler. No person is authorised to make representations on behalf of Hurlcon.

To place a service call, contact Hurlcon Service on freecall **1300 727 116**.



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