



**ELECTRONIC 7**  
WATER HEATER CONTROLLER FOR ECONOMY 7 AND WHITE METER TARIFFS

**USERS OPERATING INSTRUCTIONS**

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The Horstmann Electronic 7 Water Heater Controller has been specially developed to give you all the hot water you want as cheaply and as conveniently as possible.

During the night, the water in your tank will be heated by cheap night-rate electricity, so that you have a tank of hot water available for the morning.

Depending on the size of your tank and usage of hot-water, this will usually last a day; you can obtain more hot water at any time by using the Boost button, to switch on the immersion heater to suit your requirements. Alternatively, if you know you will require extra hot water every day, you can programme the boost to come on each day at a set time.



## 1 THE CONTROLS

Open the flap, which is hinged along the bottom edge, by inserting fingernails simultaneously behind the flap on both sides and gently levering forward.

The controls are shown on the back page of this leaflet. The bottom illustration shows the controller with the front panel open. In this position the clock time and boost time can be adjusted using the instructions set out in this leaflet.

NOTE: THE INSTALLER WILL HAVE USED THE SET BUTTON TO... (*cut on original document*)

## 2 THE CLOCK

The time of day and *off peak* switching times will have been set by the installer. If the time of day needs to be adjusted press the *HRS* (Hours) (Minutes) buttons as required to change the time.

It is important when setting the time on the display that *SUMMER* should appear during *British Summer Time (BST)* and *WINTER* during the winter months (*GMT*) – see section 3 below.

By pressing and releasing the appropriate button you may advance by one hour or one minute at a time.

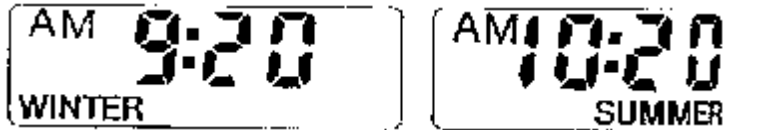
By pressing and holding the buttons for 3 seconds the display will move more rapidly. Release the buttons to stop the display.

### 3 SUMMER/WINTER BUTTON

IMPORTANT: IN SPRING AND AUTUMN WHEN ALTERING HOUSEHOLD CLOCKS DO NOT FORGET TO ALTER THE TIME DISPLAY ON THIS UNIT (SEE BELOW).

The *SUMMER/WINTER* push button is provided to alter the time by when the clocks change in Spring and Autumn.

To change the hour press the *SUMMER/WINTER* button once, this will the time on the display by one hour. At the same time the display will change to *SUMMER* or *WINTER*-see below.



### 4 ISOLATOR SWITCH

This is the immersion heater Master Switch.

In the water heater off position the indicator lights, display and clock will operate, and maintain the programme, even though the supply to the heater is disconnected. In the *timed* position, the overnight immersion heater will be switched on and off at the pre-set times, at other times the boost facility is available.

### 5 BOOST TIMER

When extra hot water is needed during the day the *BOOST* push button may be used to provide one hours additional heating of the top immersion heater.

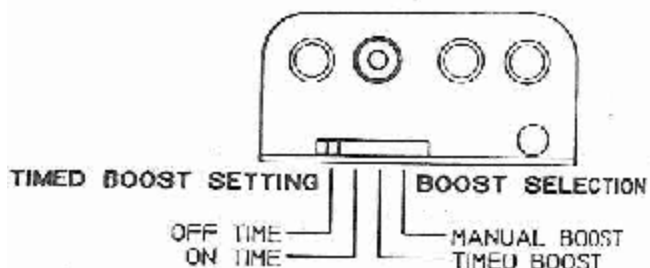
You can also have a timed boost, which can be set to operate for a p period each day.

Note; The *BOOST* will not operate or will be cancelled during off periods.

### Boost Selection

The Boost Selector Switch has 4 positions

- OFF TIME (Timed boost setting)
- ON TIME (Timed boost setting)
- MANUAL BOOST (Boost selection)
- TIMED BOOST (Boost selection)



#### Manual Boost (1 Hour)

Set the boost selector switch to *MANUAL BOOST*. When the button is pressed the boost immersion heater is switched on under the control of its thermostat, for a period of one hour. To cancel, press the boost again and release.

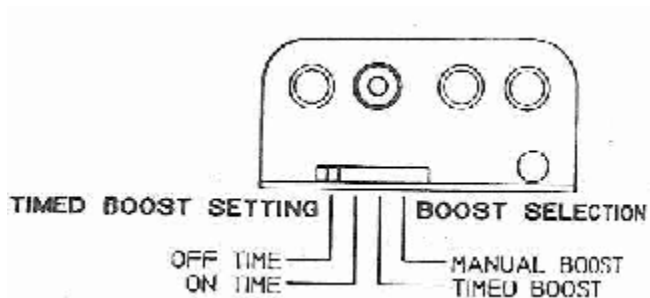
## Timed Boost

This setting is not recommended for single element installations and is only used with twin or dual immersion heaters.

In the *TIMED BOOST* position the boost immersion heater will be switched on and off automatically at the same time each day.

To set the switching times move the *boost selector* switch to the ON TIME position.

Now move the *boost selector* switch to the *TIMED BOOST* position. The boost immersion heater will now be switched on every day at the pre-set time.



NOTE: With the *boost selector* switch in the *TIMED BOOST* position, the boost push button will still produce a 1 hour manual boost on demand.

When the *TIMED* boost is no longer required the *boost selector* switch should be moved to the *MANUAL BOOST* position.

## 6 INDICATORS

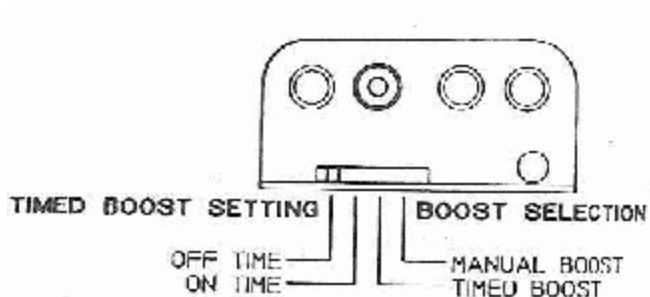
The indicator lights will still operate even with the isolator switch in the off position (see note 4). With the isolator switch in the timed position the off-peak indicator will glow whenever the Electronic 7 is supplying electricity to the immersion heater during the cheap rate period.

Similarly the *boost* on indicator will glow whenever the boost is in operation.

## 7 BATTERY

This unit has a non-rechargeable long-life battery, which will maintain the display and switch time settings for approximately 2 years with the mains electricity supply disconnected.

(This is more than sufficient to cover all the expected power interruptions during the life of the product)

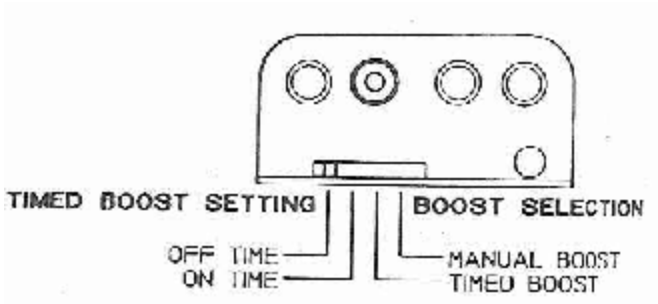


ON will appear on the display as shown below.



The time at which the boost is required to come on should now be set on the display by using the *HRS* and *MINS* buttons, noting the *AM/PM* on the display.

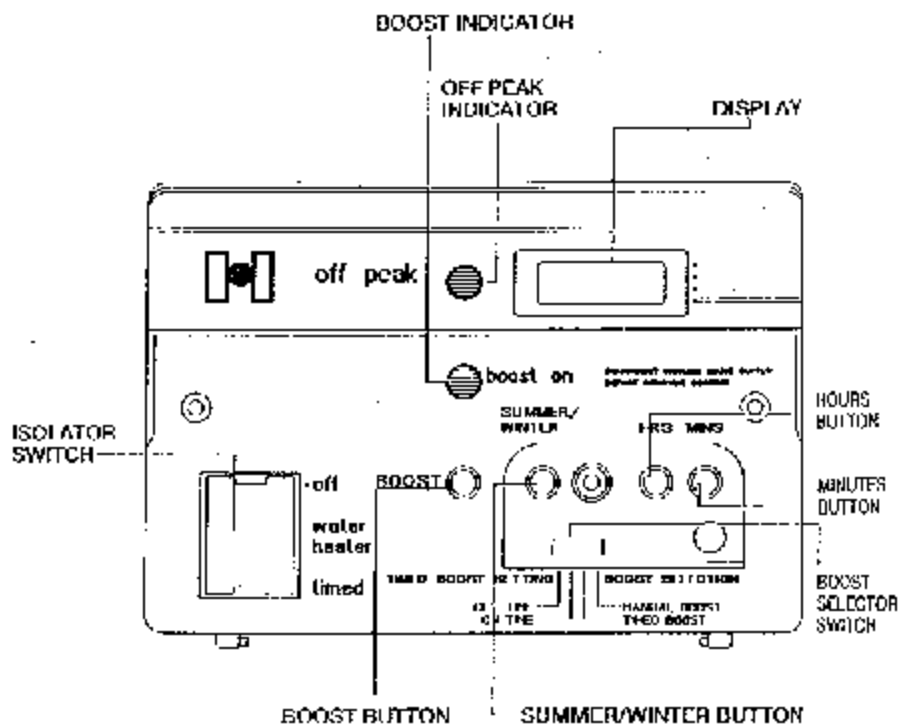
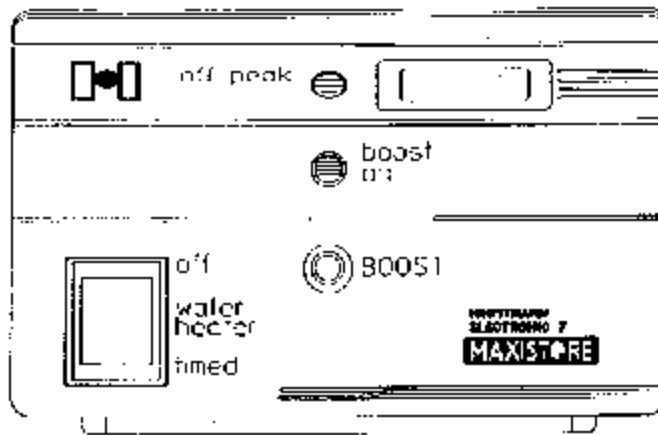
When the desired on has been displayed move the *boost selector* to the *OFF TIME* position.



*OFF* will appear on the display as shown below.



The time at which the boost period is to end should now be set one the display using the *HRS* and *MINS* buttons as before.



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