



## E7 Quartz (Ireland)

### User instructions



E7 Quartz is an Electro-mechanical water heating control, which can be set to take advantage of cheap night-rate electricity, so that there is a tank of hot water available for the morning.

INSTALLATION AND CONNECTION SHOULD ONLY BE CARRIED OUT BY A SUITABLY QUALIFIED PERSON AND IN ACCORDANCE WITH THE CURRENT EDITION OF THE IET WIRING REGULATIONS.

**WARNING : ISOLATE MAINS SUPPLY BEFORE COMMENCING INSTALLATION**

## The clock

The 24 Hour dial rotates once each day. It should be set so that the time line is against the 'WINTER TIME' line in Winter or the 'SUMMER TIME' line during British Summer Time. Adjust the clock by turning the dial clockwise.

A battery reserve will keep the clock running even if the mains supply is interrupted for up to 6 days.

## Water heater switch

In the WATER HEATER OFF position the heaters remain OFF but the clock will run and the standby battery will remain charged. In the TIMED position the over-night immersion heater will be switched ON and OFF at the pre-set times.

## GENERAL INSTRUCTIONS – Installations with a Bath / Sink Switch

With the controller switch set in the TIMED position and the immersion switches set in the ON and BATH positions, the controller will automatically switch the immersion heater during the night and off in the morning. This will ensure Hot water is available each morning. If, however, you require a large amount of extra Hot water during the day, simply set the boost control for the required time up to a maximum of 2 hours (The immersion switch should remain in the BATH position). At the end of this boost period the immersion will automatically switch off.

Alternatively, if only a small amount of additional Hot water is required the immersion switch should be moved to the SINK position and the boost control set as above.

**NOTE:** If the immersion switch is moved to the SINK position for the boost period, please check that the switch is returned to the BATH position before the next overnight heating period. This will ensure that a full cylinder of Hot water is available the following morning.

## Boost timer

When extra Hot water is required during the day the Boost Timer can be used. Where two immersion elements are fitted in the tank the Boost Timer switches on the upper heater only.

Turn the knob anti-clockwise to the 'START' position to operate the Boost Timer. The Boost period can be limited by turning the knob anti-clockwise to one of the intermediate positions if less than the maximum Boost period is required. The immersion heater will be switched OFF after the selected period, or when the temperature of the water reaches the thermostat setting. If required, further Boost periods can be selected. The electricity used will be at the appropriate day tariff rate.

## Neon indicators

The TIMED neon will illuminate when the immersion heater is activated

The BOOST neon will illuminate when the Boost timer is in use.

## OFF-PEAK heating period

Your Installer would have already set the Off-Peak heating time to suit local switching times as supplied by your Regional Electricity Company.

The logo for Secure Meters, featuring the word "SECURE" in a bold, italicized, sans-serif font. Above the letter "U" is a stylized graphic of a bird or a flame.

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NP0027954000



Part Number P27954 Issue 13