



The National Physical Laboratory (NPL) is the UK's home of measurement and the nation's timekeeper. NPL is responsible for operating the national time system and making accurate time available across the UK. The clock you have just received keeps accurate time by picking up NPL's radio signal, called MSF, which is broadcast on 60 khz from a location in Cumbria. This transmission carries a date and time code that radio controlled clocks use to set themselves to the correct time. The signal is controlled by atomic clocks at the radio station, and is adjusted to keep it in step with the national time maintained at NPL's laboratory in south-west London. For more information visit [www.npl.co.uk/time](http://www.npl.co.uk/time). Your clock is controlled by the MSF signal which is synchronised to the national time scale at NPL, making it 'forever accurate'



### MSF Radio Controlled Wall Clock

**Automatic Time Keeping**  
**Accurate to 1 second in 10 million years**  
**Automatic resetting to summer /winter time**

**Congratulations on your purchase of this quality Radio Controlled product. Great care has been taken to design and manufacture your clock. Please read these instructions and keep them safely as you may wish to refer to them in the future.**

**The clocks will set up automatically once you have inserted the battery.**

#### Instructions & Guarantee

##### How do I start the clock?

##### Automatic Set-up

Insert the battery (Alkaline AA-LR6). The hands will automatically move to 12 o'clock. The clock will then search for the time signal (This is often referred to as the set-up mode).

After receiving the MSF time signal (3-5 minutes) the clock will automatically set to the correct time.

During the set-up the clock should not be moved.

If the clock is unable to receive the time signal it will revert to normal quartz time keeping and show the incorrect time (unless you set the time manually- see below).

When the clocks shows o'clock again it will revert to the set-up mode and search for the time signal. It will try this 14 times, after which it will exit the set-up function.

##### Manual Time setting

Should you have to set the time manually, press the M.SET button for 3 seconds to enter the manual setting mode. For every press of the button the time will advance by one minute. If the button is not depressed for 7 seconds the clock will come out of the manual time setting mode.

##### Manual Signal Reception

In case the clock displays the wrong time you can manually activate the radio signal search. This is done by pressing the REC button for 3 seconds. All the hands will return and stop at 12:00 and then search for the signal. If the signal is found the clock will reset to the correct time, otherwise the clock will return to the previous time.

##### Reset

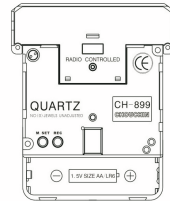
The memory of the clock can be reset by short circuiting the pins in the upper left hand corner of the movement

There are thermometer and hygrometer to show on the dial, and the accuracy is as below, Thermometer accuracy Range

Thermometer Degree (°C)	Under 10 °C	-10 °C to 40 °C	Over 41 °C
Accuracy Range	+/- 4 °C	+/- 2 °C	+/- 4 °C

Hygrometer accuracy Range

Hygrometer Degree (%)	Under 34%	34% to 75%	Over 75%
Accuracy Range	+/- 12%	+/- 7%	+/-12%



##### Important Notice

If the clock keeps showing the wrong time then we advise changing the LR6 alkaline battery. This normally resolves the problem.

##### Are you having difficulty in setting the clock to the correct time?

Signal strength improves at night, it is recommended to leave the battery inserted, ideally near a window overnight

##### Possible interference or faults

Domestic electrical appliances without radio interference suppressors.

TV receivers and computers within 2 meters of the clock

Machinery with high frequency leakage

Outside the normal transmission radius (1200km)

Weather conditions can effect the signal transmission

Metal clad buildings.

**There are times during the year when the signal is switched off for maintenance. Please check the following web site for technical information: [www.npl.co.uk/time](http://www.npl.co.uk/time)**

**If you have any problems with this product that cannot be corrected by considering the above then please telephone our Customer Services Helpline on 0121 524 1400 Monday – Friday 9.00am – 4.00pm**

##### Guarantee

Your clock is guaranteed against any defective parts or construction for 2 years from the date of purchase.

Your guarantee is only valid if you present your original receipt when returning the clock.

The guarantee provides you with the rights which are in addition to the consumer statutory rights and therefore, do not limit the effect of these statutory rights.

Please note that this guarantee does not cover breakages caused by accident or maltreatment. Batteries are not covered. A full complete after sales service is also available, after the guarantee expires, at a nominal charge

##### When returning your clock

When returning your clock, please enclose a cheque or postal order for £4.95, payable to PH Services, to cover postage and insurance for loss or damage in transit. We cannot be held liable for loss or damage without this remittance. All clocks should be returned to; PH Services, Tompion House, 25 Birmingham Road, West Bromwich, West Midlands, B70 6RR

If you would like more information concerning the comprehensive radio controlled product ranges offered by Precision then please look at [www.peershardy.com](http://www.peershardy.com)