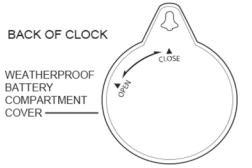
acctim

RADIO CONTROLLED

Please read these instructions and keep them in a safe place for future reference. Once you have inserted the battery the clock will automatically set up and adjust at the change of Summer/Winter time.

Radio controlled Technology

The radio controlled mechanism fitted to your clock has a built in receiver which is tuned to the National Physical Laboratory (NPL) radio signal, called MSF, which is transmitted from the Anthorn radio station in Cumbria. The MSF signal is broadcast on a frequency of 60khz and carries a time and date code that radio controlled clocks use to set themselves to the correct time. The time signal received is controlled by cesium atomic clocks and is accurate to within one second every 1000 years.



* Rotate the battery compartment cover anti-clockwise to open and remove the cover. Now follow the instructions 'Automatic set-up' on page 3.
* Replace the battery compartment cover and turn clockwise following the direction of the arrow to close/lock.

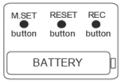
Automatic set-up

* Insert 1 x AA Alkaline battery into the polarity (+) and (-) as indicated inside the battery compartment.
* After a few moments the seconds hand will start to turn clockwise & stop at the 12 o'clock position.
* Within 3 minutes the minute and hour hand will also move to the 12 o' clock position.
This indicates that the clock is in the receiving mode.
* The clock will receive the MSF signal and automatically set to the correct time.

Note: Be patient this can take a while. It is recommended that you leave the clock overnight for searching the time signal since the night time allows better transmission of MSF signal reception.

When the clock receives the signal, to maintain accuracy it will search for the signal every second hour starting at 1 o' clock, 3 o' clock, 5 o' clock.....

Note: In Normal Status - If the clock does not receive the MSF Signal during initial set-up or at the change of Summer/Winter time you can:



1. Manual Set
* Push and hold the M-SET button and after a few seconds the hands on the clock will start to turn.
* Keep the button pressed until the correct time is displayed then release the button.
* The clock will now work as a quartz clock until it receives the signal from the transmitter.

2. RESET button - Push & hold for 3 seconds, the clock will reset, after a few moments the hands will move to the 12 o' clock position & start the signal receiving mode again.

3. REC button - Push & hold for 3 seconds the hands will move to the 12 o' clock position and start the receiving mode. The clock will receive the MSF signal and automatically set to the correct time. Note: If the reception fails, the hands will move to the last time shown on the clock.

Interruption to the MSF signal

The Anthorn transmitter is periodically shut down for scheduled maintenance resulting in no signal being transmitted. For dates of the schedule maintenance visit www.npl.co.uk/science-technology/time-frequency/time/products-and-services/msf-outages
call the NPL MSF recorded message on (0)20 8943 6493

MSF reception difficulties

Like any receiver your clock needs a good signal to work properly. The main causes of reception failure are...
* Atmospheric and local interferences
* Interference from electrical equipment e.g. T.V, computers or radios within 2 meters of the clock.
* Location of the clocks internal receiver within the building.
* Reduced local signal due to steel framed structure.
* Reduced signal due to interference problems in your house or building.
* Outside the normal transmission radius.

The following suggestion may help improve reception of the MSF signal:

* Check that the battery is new and in good condition.
* Check that the battery is inserted correctly.
* Try rotating the clock as the internal receiver that picks up the signal is most effective when it is facing directly towards or away from Anthorn.
* Try moving your clock to a new location away from any electrical equipment e.g. T.V, computers or radios.
* Place the clock near a window or external wall.
* Remove the battery and insert the battery again after 5.30pm. Due to local interference the signal is stronger between midnight and 5am.

Note: In weak signal conditions press the REC button to start the receiving mode.

Changing the battery

It is recommended that you replace the battery annually even if the product is still running. Only use 1 X AA (1.5V) Alkaline batteries in this clock. Remove the battery if the clock is stored or not in use. Remove exhausted battery from the product.
Warning: Do not recharge non-rechargeable batteries.
Please dispose of used battery in a responsible manner.
For more information please contact your local authority.

Maintenance

A soft cloth may be used to clean your clock. Do not use any corrosive cleaner or chemical solutions on the clock. Keep the clock clean and dry to avoid any problems.

Your Guarantee

Your clock is guaranteed for 12 months from the date of purchase against any faults arising from defective materials or manufacture. Damage caused through careless handling, misuse or in transit is expressly excluded. Should this clock fail within 12 months please return it in the first instance to your retailer.

If you have any queries, problems or do not understand any parts of these instructions please contact:

Customer Help Line (01908) 449208 or
Locall 0845 1207208 Mon - Fri 9.00am - 4.30pm
service@acctim.com or www.acctim.com

Environmental Protection

Disposal of electrical & electronic equipment
Do not dispose of this product with household waste. For the proper treatment, recovery and recycling please take this product to the appropriate collection point. If you are unsure of where this is contact your local authority. Improper disposal may be harmful to the environment.

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