



PRECISION

MSF Radio Controlled Clock

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

PREC0018

**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.**

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

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 6RF

If you would like more information concerning the comprehensive radio controlled product ranges offered by Precision then please look at www.precisionclocks.co.uk



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
Your clock is controlled by the MSF signal which is synchronised to the national time scale at NPL, making it 'forever accurate'



CMOS: SPL081A1-373A, LCD-247, Battery: 1xAA
 Model: C-891DMD/MMD, C-892DMD/MMD, C-893DMD/MMD

RADIO CONTROLLED CLOCK

USER'S INSTRUCTIONS

Getting Started:

1. Remove the battery door by slightly pressing the knob upward.
2. Insert one new AA size battery as per indication marked in the battery compartment.
3. Close the battery door.
4. When the battery is inserted, all the segments of the display will be shown briefly before entering the radio controlled time reception mode.
5. The RC Clock will automatically start scanning for the radio controlled time signal after 15 seconds.

Note:

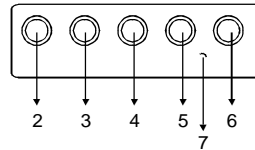
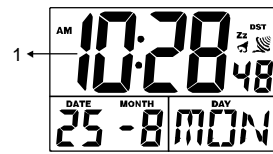
If there is no display on the LCD after inserting the battery, replace a new AA alkaline battery or press the RESET button.

Function Keys

- MODE Button:** Switch between Normal Time Mode and Alarm Time Mode.
- SET Button:** In normal time mode, toggle between 12 or 24 hour format. In setting mode, step the setting items.
- ADJUST Button:** Toggle between Month/Date and Year display. In Alarm time mode, switch ALARM/SNOOZE function on or off.
- RECEIVE Button:** Press the "RECEIVE" button to receive the signal for reception testing. Check the signal strength indicator in the first 30 seconds. If the signal strength is in acceptable signal quality, leave the clock in its current location. Otherwise, move the clock to another location. The reception stops automatically after 6-12 minutes.
- RESET Button:** In case of mal-function, use a pin to press the reset key to restart the clock again.
- SNOOZE Button:** Stop the snooze function during its activation.

Product Descriptions

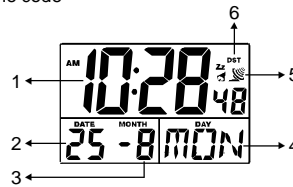
- | | |
|-------------------|------------------|
| 1. LCD Display | 2. MODE Button |
| 3. SET Button | 4. ADJUST Button |
| 5. RECEIVE Button | 6. SNOOZE Button |
| 7. RESET Button | |



Display Symbols:

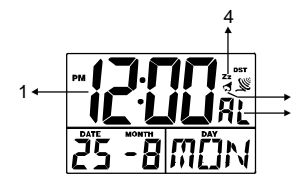
Normal Time Mode

- | | |
|------------------------------|--------------------------|
| 1. Time | 2. Date |
| 3. Month | 4. Day of the Week |
| 5. Signal Strength Indicator | 6. Daylight Savings Time |
| 7. Time code | |



Alarm Time Mode

- | | |
|---------------|----------------|
| 1. Alarm time | 2. Alarm mode |
| 3. Alarm icon | 4. Snooze icon |



Signal Strength Indicator

The signal indicator displays signal strength in 3 levels. Wave segment flashing means time signals are being received. The signal quality is classified into three types:



If the clock receives the signal successfully, a solid signal strength symbol appears on the display.

The unit has already received the time signal. Otherwise the signal strength symbol disappears from the LCD display.

Note:

You may use the RECEIVE button to receive the time signal manually. The receive mode stops automatically after 6-12 minutes. The receive mode consumes more battery power and will reduce the battery lifetime.

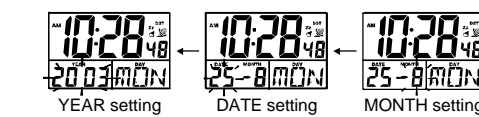
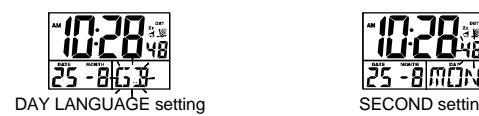
About the Daylight Savings Time (DST)

The clock has been programmed to automatically switch when daylight savings time is in effect. Your clock will show "DST" during the summer.

Manually Setting the Time and Date:

If the clock does not receive the signal successfully you can set the clock manually.

1. Press the "SET" button for 3 seconds until the HOUR digit flashes.
2. Press the "ADJUST" button to increase the value of the flashing digit.
3. Press the "SET" button again to step the setting items. The sequence is:
Hour > Minute > Second > Month > Date > year > Day language.
4. Press the "ADJUST" button to increase the value of the flashing digit and select the Day language:
GB=English FR=French DE=German
ES=Spanish IT=Italian
5. Press the "MODE" button to exit the setting mode.



Setting the Alarm:

1. In the Normal Time Display mode, press the "MODE" button to enter the Alarm Time Mode.
2. Hold the "SET" button for 3 seconds until the HOUR digit flashes.
3. Press the "ADJUST" button to increase the setting value.
4. Press the "SET" button again to step the setting items. The sequence will be: Hour > Minute.
5. Press the "MODE" button to exit the setting mode.



Using the Alarm and Snooze Function:

1. In the Normal Time Display mode, press the "MODE" button to operate the alarm and snooze function.
2. Activate the ALARM by pressing the "ADJUST" button so that the bell icon appears.
3. Activate the Snooze by pressing the "ADJUST" key so that the snooze icon "Zz" appears.
4. To deactivate the alarm and snooze function, press the "ADJUST" button until both icons disappear.

Note:

To stop the alarm, press any button when the snooze function is activated, the alarm will automatically start again after 4 minutes, total 4 times then not sound again until the next day. The alarm duration is 60 seconds.

Important:

For best reception performance, please read the following instruction.

1. We strongly recommend you start your clock at night. Allow the clock to receive the signal automatically overnight.
2. Place the unit away from interfering sources such as TV set, computers, microwaves, etc..
3. Avoid placing the unit on or next to metal surfaces.
4. Avoid closed areas such as airports, basements, cement office buildings or factories.
5. Do not start reception on a moving article such as train or vehicle.



Battery replacement

When the LCD becomes dim, replace with a new battery at once. Alkaline Battery(1 x AA) is recommended. Pay attention to the battery polarity.

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C-891-PD050137M