



For Human and Nature

Operating Manual W331 / W335 Solar Drive RC- Movement

No. W331 / W335 05/15

Product Features:

- Radio-controlled, automatic time setting and clock change for Daylight Savings.
- Perpetual calendar
- Reception Control
- Worldwide manual time zone clock change
- Solar movement with rechargeable battery. No changing of battery! Duration of battery when fully charged is 6 months (without light).
- Due to energy saving reasons, the sleep function activates when the watch lies in the dark for 30 days. When the watch is in the light again, the hands will automatically change to the saved time.
- **Low battery status indicator:** Second-hand will jump in 2-second step.

Table: loading time		
luminous source	Illumination	Complete charging
Sunshine	40 klx	8 h
Daylight	10 klx	32 h
Artificial light	5 klx	60 h

General Information of Solar Technology

To avoid damage of the battery, the watch should always be charged up to its minimum. Therefore it is recommended to store the watch in a light place.

1. Initial Setup

(important for correct setting of the radio-controlled watch)
Due to heavy shocks or magnetic fields the hand position may differ from the internally saved radio time. The initial setup serves to resynchronise the hands with the internally saved radio time.

- Pull out the crown on position 1 and set the previous day's date through turning left.
- Now pull out the crown on position 2 and press **MODE** stepwise to set the second hand on 12:00. After this, turn the crown right for moving the hands to 12:00 (at night) until the right date is shown. Now adjust minute- and hour hand exactly on 12:00 (at night). After this, push the crown on zero position.
- Now, the second hand will rotate to 11:00 and radio-signal will be received.
- The initial setting is now complete. The watch should now receive the radio signal and set itself to the correct time. This process will take up to 8 minutes.

2. Checking Radio Reception

The radio clock will attempt to receive the DCF77 radio-control signal every day between 3:00 and 4:00. However, interference with reception might occur due to thunderstorms or electrical disturbance.

- Press SET.
- If the second hand rotates to 12:00, the reception attempt was successful.
- If the second hand rotates to 6:00, the reception attempt was not successful.
- In both cases the second hand will stop (at 12:00 or 06:00) for about 5 sec. After this, the watch returns to the saved time.

3. Manual Mode

When travelling to a country that does not lie within the Central European Standard Time (GMT+1) or the Central European Summer Time (GMT+2), the local time may be changed as follows:

- Pull out the crown on position 2 and press stepwise button **MODE** until second hand is on 06:00.
- Now push **SET** for about 5 seconds until the second hand rotates to 12:00.
- Due rotating the crown you're setting the local time.
- After local time is set, the crown has to be pushed in zero position. Now the watch is running in manual mode. Calendar function is not available in manual mode.

4. Reset (Change from manual mode to radio mode)

- This point refers to no. 1. (Initial Setup)

5. This product equates to the EMV guidelines of the EU.

Ensure that the crown is returned to the normal operating position before the watch comes in contact with water.

For more Information about ETT-projects visit

www.ecotechinside.de

For watch-accessories, please visit: www.ecotechtime.de

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