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You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY WT5160. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY WT5160 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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**RADIO CONTROLLED PROJECTION
ALARM CLOCK**
Instruction manual

INTRODUCTION:
Congratulations on purchasing this Projection clock with DCF-77 radiocontrolled time.
The operation of the product is simple and straightforward and by reading this operating manual, users will receive the optimum benefits of all its features.

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Manual abstract:

The operation of this product is simple and straightforward and by reading this operating manual, users will receive the optimum benefits of all its features.

30 Battery compartment LCD Display Function keys Stand Adapter socket FEATURES · DCF-77 Radio controlled time with manual setting option · Time projection (hour and minute) · LED back-light · Indoor temperature displayed in degree Celcius · Calendar display · Alarm setting with snooze function · Time zone (\pm 9 hours) 31 SETTING UP : The projection clock can be batteries operated or powered by the provided AC/DC adapter. POWER SUPPLY : The Projection Clock uses 2 x AA, IEC LR6, 1.5V batteries. To install and replace the batteries, please follow the steps below: 1. 2. 3. Lift up and remove the battery compartment cover. Insert batteries observing the correct polarity (see marking). Replace compartment cover.

Note: User shall also refer to Manual Setting for detailed Setting up procedures. 32 In addition or instead of inserting batteries, the AC adapter can be used: 1. Connect the power adapter to a wall socket 2. Insert the adapter into the jack at the bottom of the clock 3. The Projection clock will now start receiving the DCF time signal.

After approximate 3 to 5 minutes, the DCF time will be displayed Note: User shall also refer to Manual Setting for detailed Setting up procedures. 33 Important! Use only the adapter provided with the projection clock and make sure that your household voltage is appropriate to the working voltage of the transformer. Otherwise your projection clock may be damaged. · Radio controlled time receiver is at the bottom side of the main unit. Don't place the adapter wire adjacent to the bottom side of the main unit when AC power is used, as this may decrease the reception sensitivity.

34 BATTERIES POWERED WITH THE USE OF AC/DC ADAPTER If the Projection clock is first powered by batteries and the power adapter is subsequently used for extended period of time, the main power source of the Projection clock will switch to AC/DC power. The batteries will then act as a backup power source in case of power failure. Notes: · After the projection clock is powered, there will be a beep sound and the LCD (Liquid Crystal Display) will activate. @@@@ When this is successful, the received time will override the manually set time. The date is also updated with the received 35 time. (Please refer also to notes on "DCF-77 radio controlled time" and "Manual time setting"). TO RESET THE PROJECTION CLOCK To reset the Projection clock to the factory default setting or in case of a malfunction, please remove all batteries from the unit and unplug the AC/DC adapter from any power source. Wait at least for 3 minutes before powering up the Projection clock again. BATTERY CHANGE: It is recommended to replace the batteries in all units regularly to ensure optimum accuracy of these units. (Battery life see Specifications) Please participate in the preservation of the environment.

Return used batteries to an authorized depot. 36 RADIO CONTROLLED TIME The time base for the radio controlled time is a Cesium Atomic Clock operated by the Physikalisch Technische Bundesanstalt Braunschweig which has a time deviation of less than one second in one million years. The time is coded and transmitted from Mainflingen near Frankfurt via frequency signal DCF-77 (77.5 kHz) and has a transmitting range of approximately 1,500 km. Your radio-controlled Projection clock receives this signal and converts it to show the precise time in summer or wintertime. The quality of the reception depends greatly on the geographic location. In normal cases, there should be no reception problems within a 1500km radius of Frankfurt. The DCF tower icon in the clock display will start flashing in the upper center. This indicates that the clock has detected that there is a radio signal present and is trying to receive it. When the time code is received, the DCF tower becomes permanently lit and the time will be displayed.

If the tower icon flashes, but does not set the time or the DCF tower does not appear at all, then please take note of the following: 37 Recommended distance to any interfering sources like computer monitors or TV sets is a minimum of 1.5 - 2 meters. @@@@ Then he may go on the manual setting. @@@@ The hour and the minute digits will start flashing. 2.

Use the AL/HOUR key to set the hour; MODE/MIN key to set the minute. 3. Confirm with the SNOOZE key and enter the Calendar setting. @@@@ The time is displayed in 24-hour format. CALENDAR SETTING : The date default of the Projection clock is 1.

1. in the year 2005. @@@@ 1. The year digits start flashing. @@@@ The weekday digit starts flashing. Weekday (flashing) 6. 7. Use the MODE/MIN key to set the weekday (Mo, Tu, We, Th, Fr, Sa or Su). Confirm all calendar settings with the SNOOZE key and return to the normal display.

Important: If you want to change the setting again after the manual setting is completed, you have to uninstall all the batteries and repeat all the above-mentioned steps.

On the other hand, if you just want to change the time zone, you may press and hold the MODE/MIN key for about 3 seconds to advance to the "Time zone setting" mode and then press shortly the MODE/MIN key to do the change. 45 ALARM SETTING : 1. Press and hold "AL/HOUR" button for about 3 seconds until the alarm time is flashing. Alarm-on icon flashing 46 2. 3. Press and release "AL/HOUR" to advance the hour, and "MODE/MIN" to advance the minute. The time will display in 24-hour format. Press the SNOOZE key to confirm. The alarm is now set and activated. TO ACTIVATE / DEACTIVATE THE ALAM : 1.

After entering the alarm setting mode, the alarm is activated. 2. To toggle between activating and deactivating the alarm, briefly press the "AL/HOUR" key.

Alarm-on icon, "((·))" will be displayed under the time display when the alarm is activated. SNOOZE SETTING : 1.

While the alarm is sounding, press and release the SNOOZE bar to disable the alarm for 5 minutes. (After the SNOOZE bar is pressed, the alarm icon will keep flashing. After 5 min, the alarm will sound again.) 2. To disable the alarm, press and release the AL/HOUR or MODE/MIN button.

47 Note: The alarm duration is about 80 seconds. PROJECTION OF TIME Note: The projection is a red light, not harmful under normal usage, yet care should be taken to avoid looking directly into the light. 1. 2. 3. When the radio-controlled projection clock is plugged with an AC/DC adaptater, the clock will continuously be projected If the radio-controlled projection clock is only working with batteries, the time will be only projected when the SNOOZE key will be pressed The projection will auto-focus for display from about 1.7 to 2.0 meter away. A dark surrounding will be necessary to clearly see the projection.



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48 The direction of the display can also be rotated 360° in 90° rotations by pressing the button.

@@@Indoor temperature (°C) 2. Second of time 3. Preset alarm time 4. Day and weekday 49 BACK-LIGHT 1. The projection alarm has an LED backlight designed for night-viewing. @@2. @@MAINTENANCE: · Avoid placing the alarm clock in areas prone to vibration and shock as this may damage and inaccurate readings. · Avoid exposure to sudden changes in temperature such as direct sunlight, extreme cold and wet or moist conditions. · When cleaning the display and casing, only use a soft damp cloth. Do not use solvents or souring agents as they may mark the LCD and casing. · Do not submerge the alarm clock in water. · Do not attempt to make any repairs to the alarm clock. Return it to its original point of purchase for repair by a qualified engineer. Opening and tampering with the unit may invalidate its guarantee. 50 SPECIFICATIONS: Temperature measuring range: Indoor : 0°C to +49. 9°C with 0.1°C resolution ("OF.L" displayed if outside this range) Indoor temperature checking intervals : Every 10 seconds Power consumption: Battery Or AC adapter (included) : 2 x AA, IEC LR6, 1.5V (alkaline batteries recommended) INPUT 230V AC 50Hz; OUTPUT: DC 3.4V (use the provided AC/DC adapter only) Approximately 12 months 140. 3 x 48.5 x 90.6 mm.



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