



**Model CTH10**

**RADIO CONTROLLED CLOCK  
 with TEMPERATURE & HUMIDITY**

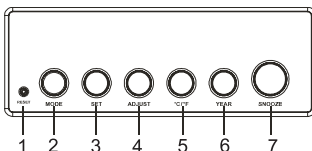
**GETTING STARTED**

1. Remove the battery door by releasing the battery cover latch.
2. Insert four new AA size batteries as per indication marked on the battery compartment.
3. Once the batteries are inserted, all the segments of the LCD will show briefly before entering the radio controlled time reception mode.
4. The RC Clock will automatically start scanning for the radio controlled time signal after 10 seconds.
5. The default time zone is Pacific zone. If you are in this time zone, changing is not required. Otherwise, change to the correct time zone (Refer to 'Select the Time Zone').

**Note:** If there is no display on the LCD after inserting the battery, replace with four new batteries or press RESET key by using a metal wire. In some cases, you may not receive a signal immediately. Due to atmospheric disturbances, the best reception often occurs during night time.

**FUNCTION KEYS**

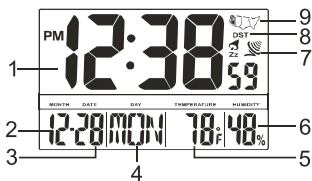
1. **RESET:** In case of malfunction after insert of battery, use a pin to press the RESET key to restart the clock.
2. **MODE:** Switch between Normal Time Mode and Alarm Time Mode.
3. **SET:** In editing mode, step the setting items.
4. **ADJUST:** In normal time mode, toggle between Date & Month and Year display. In normal time setting mode, change the setting value. In Alarm time mode, switch ALARM/SNOOZE function ON/OFF.
5. **°C/°F:** Press it once to toggle between °C and °F format. Press and hold it for 3 seconds to receive the signal for reception testing.
6. **YEAR:** In normal time mode, toggle between Date & Month and year display.
7. **SNOOZE:** Stop the current RC reception or stop the alarm sound during its activation.



**DISPLAYS SYMBOLS**

**Normal Time Mode**

1. Time
2. Month
3. Date
4. Day of the week
5. Temperature
6. Humidity
7. Signal Strength Indicator
8. Daylight Savings Time (DST)
9. Time zone map



**SELECT THE TIME ZONE**

Make sure the time zone is set to appropriate location. The default time zone is Pacific zone. If your location is not the Pacific zone, do the following:

1. In the normal time mode, press the MODE key to enter the alarm time mode.
2. Press the SET key to select the proper time zone. P=Pacific, M=Mountain, C=Central, E=Eastern

**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.

**SIGNAL STRENGTH INDICATOR**

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



If the RC clock receives signal successfully, a Sync-time symbol appears on LCD. The unit has already received the time signal. Otherwise, the signal strength symbol will disappear from the LCD display.

**Note:**

1. You may use the RECEIVE button to receive the time signal manually. Be caution of using the RECEIVE mode. The receive mode will be off automatically after 6-12 minutes. Receive mode consumes more battery power and reduces battery life.
2. In an environment with radio frequency interference, the unit may not maintain the communication link and will resume to normal when interference stops.
3. Pressing SNOOZE key for 8 seconds can stop the current RC reception.

**MANUALLY SETTING THE TIME AND DATE**

If the clock does not receive the time signal successfully, you can set the time manually. As soon as the transmitter is received again, the clock will automatically synchronize with the received time.

1. Press and hold "SET" key for 2 seconds until HOUR digit flashes.
2. Press "ADJUST" key to increase the value of the flashing digit.
3. Press "SET" key again to step the setting items. The sequence is: Hour > Minute > Second > 12/24 HR > Month > Date > Year > Day Language
4. Press the ADJ key to select the day language: GB=English, FR=French, DE=German, ES=Spanish, IT=Italian
5. Press "MODE" key to exit the setting mode.

**Alarm Time Mode**

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



**SETTING THE ALARM**

1. In the Normal Time Display, press "MODE" key to enter the Alarm Time Mode.
2. Hold "SET" key for 2 seconds until HOUR digit flashes.
3. Press "ADJUST" key to increase the alarm hour value.
4. Repeat the above operation to set the alarm minute.
5. Press "MODE" key to exit the setting mode.

**USING THE ALARM AND SNOOZE FUNCTION**

1. Set the Alarm time as described in the previous section.
2. Activate the Alarm by pressing the "ADJUST" key so that the bell icon "🔔" appears.
3. Activate the Snooze by pressing the "ADJUST" key so that the snooze icon "Zz" appears.
4. To de-activate the alarm and snooze function, press the "ADJUST" key until both icons disappear.

**Note:**

When the snooze function is activated, the alarm will automatically start again after 4 minutes, total 4 times. It won't sound again until the next day. The alarm duration is 60 seconds.

**BATTERY REPLACEMENT**

When the LCD becomes dim, replace with four new AA size batteries at once. Pay attention to the battery polarity.

**Note:** Attention! Please dispose of used unit and batteries in an ecologically safe manner.



**IMPORTANT**

For best reception, please read the following instructions:

1. This sophisticated instrument will automatically receive the time signal transmits from the American Atomic Clock transmitter.
2. It is strongly recommended to start this clock at night and allow the clock to receive the signal automatically overnight.
3. Always place the unit away from interfering sources such as TV set, computer, etc.
4. Avoid placing the unit on or next to metal surfaces.
5. Closed area such as airport, basement, tower block, or factory is not recommended.
6. Do not start reception while moving in a vehicle or train.

**SPECIFICATIONS**

	Measurement Range	Accuracy
Temperature	23°F to 32°F (-5°C to 0°C)	±3°F (±1.5°C)
	33°F to 86°F (1°C to 30°C)	±2°F (±1°C)
	87°F to 122°F (31°C to 50°C)	±3°F (±1.5°C)
Humidity	20% to 40% RH	±8% RH (@25°C)
	41% to 70% RH	±6% RH (@25°C)
	71% to 90% RH	±8% RH (@25°C)

Storage Temperature: -4°F to 140°F (-20°C to 60°C)  
 Dimensions: 11.4x17x1.8" (29x43x30cm)  
 Weight: 2.75lb (1.25kg)

**WARRANTY**

EXTECH INSTRUMENTS CORPORATION warrants this instrument to be free of defects in parts and workmanship for one year from date of shipment (a six month limited warranty applies to sensors and cables). If it should become necessary to return the instrument for service during or beyond the warranty period, contact the Customer Service Department at (781) 890-7440 ext. 210 for authorization or visit our website [www.extech.com](http://www.extech.com) for contact information. A Return Authorization (RA) number must be issued before any product is returned to Extech. The sender is responsible for shipping charges, freight, insurance and proper packaging to prevent damage in transit. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, operation outside of specification, improper maintenance or repair, or unauthorized modification. Extech specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Extech's total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied.

CTH10 V1.0 3/07



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