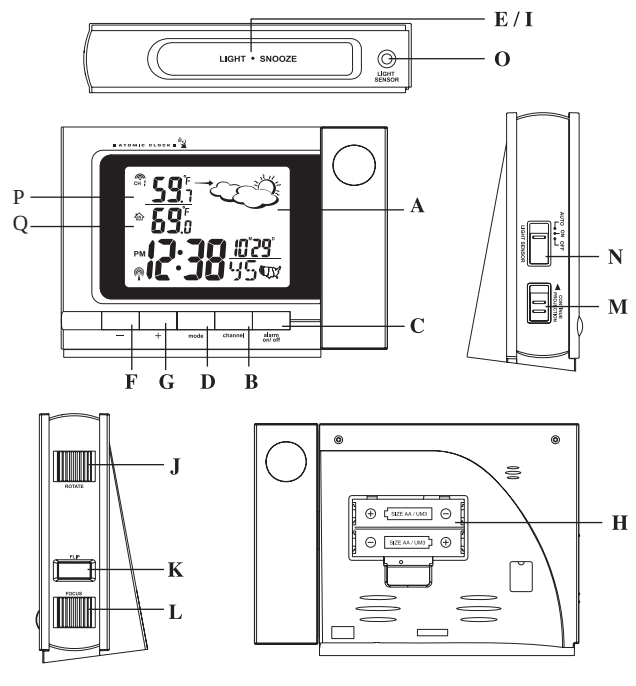
The Hammacher Schlemmer Projection Alarm Clock and Weather Monitor.

USER'S MANUAL

KSPO: 0882-13(HAM)
Hammacher Schlemmer PCR325/TS02 MANUAL(ENG)
SIZE:W105 X H148(mm)
BY Lai HZ 17/12/13

INTRODUCTION
Congratulations on your purchase of the Hammacher Schlemmer Projection Alarm Clock and Weather Monitor. The basic package comes with a main unit (the weather forecast station), two remote wireless weather sensing units (operating at 433 MHz), and an AC adapter (AC 120V, 60Hz-DC5.0V, 100mA).

PRECAUTIONS
This product is engineered to give you years of satisfactory service if handled carefully. Here are a few precautions:
1. Do not immerse the unit in water.
2. Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuits.
3. Do not subject the unit to excessive force, shock, dust, temperature, or humidity, which may result in malfunctions, shorter lifespan, damaged batteries, and damaged parts.
4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty and may cause damage. The unit contains no user-serviceable parts.
5. Only use fresh batteries. Do not mix new and old batteries.
6. Read the user's manual thoroughly before operating the unit.



A. LCD DISPLAY
For easy reading of indoor and outdoor weather conditions, calendar, and clock.

B. CHANNEL BUTTON
Toggles between the three remote sensor readings.

C. ALARM BUTTON
For setting alarm and displaying alarm status.

D. MODE BUTTON
Toggles between display modes and allows manual setting of clock and calendar.

E. LIGHT/SNOOZE BUTTON
Activates the snooze function and backlighting.

F. DOWN (-) BUTTON
Decreases the value of a setting.

G. UP (+) BUTTON
Advances the value of a setting.

H. BATTERY COMPARTMENT
For two “AA” batteries.

I. PROJECTION LIGHT AND ADJUSTMENT
* Press E / I [LIGHT/SNOOZE]- Projection light will come on and turn off automatically after 5 seconds.
* Turn the dial J [ROTATE] to manually rotate the projection display.
* Press button K [FLIP] to rotate the projection display 180°.
* Turn the focus dial L [FOCUS] to adjust the sharpness of projection display.
* When AC adapter is plugged in, slide button M [CONTINUE - PROJECTION] for continuous time and temperature projection.

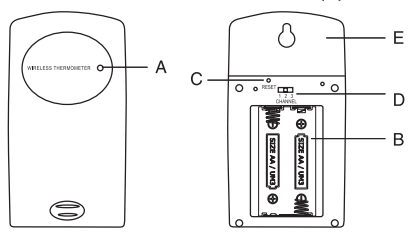
N. LIGHT SENSOR BUTTON
When the AC adapter is plugged in, position the light sensor switch at:
* “AUTO” for automatic LCD backlighting when the room grows dark.
* “ON” for continuous LCD backlighting.
* “OFF” to deactivate LCD backlighting.
NOTE: AC Adapter must be plugged in for the light sensor option to work

O. LIGHT SENSOR

P.OUTDOOR TEMPERATURE
Remote unit temperature

Q. INDOOR TEMPERATURE
Main unit temperature

MAIN FEATURES: REMOTE UNIT(S)



A. LED INDICATOR
Flashes once when the remote unit transmits a reading to the main unit. Flashes twice to indicate low battery.

B. BATTERY COMPARTMENT
For two “AA” batteries.

C. RESET BUTTON
Resets unit in case of channel selection change.

D. CHANNEL SELECTOR
To coordinate the sensor with the main unit, select the desired channel number before installing batteries.

E. WALL-MOUNT RECESSED HOLE

BEFORE YOU BEGIN
For best operation,
1. Insert batteries into remote sensors **before** inserting batteries in the main unit.
2. Position the remote units and main unit within effective transmission range, typically up to 100 feet. Note that the effective range depends upon many factors, including structural surroundings. Though the remote units are weatherproof, they should be placed away from direct sunlight, rain, and snow.

BATTERY INSTALLATION: REMOTE UNITS
1. Remove the screws on the battery compartment.
2. Select the desired channel.
3. Install 2 alkaline “AA” batteries.
4. Replace battery compartment door and secure screws.

BATTERY INSTALLATION: MAIN UNIT
1. Open the battery compartment door.
2. Install 2 alkaline “AA”.
3. Replace the battery compartment door.

LOW BATTERY WARNING
A low-battery indicator [] will appear on the indoor or outdoor temperature reading to show when the corresponding sensor’s batteries need replaced.

GETTING STARTED
After batteries are installed, remote sensors will transmit temperature readings at 45 second intervals. The main unit may take up to two minutes to receive the initial readings; upon successful reception, outdoor temperatures will be displayed. The main unit will automatically update readings at about 45-second intervals.

If no signals are received by the main unit after two minutes, “-- ” will be displayed. Hold [-] for 2 seconds to begin another signal search.

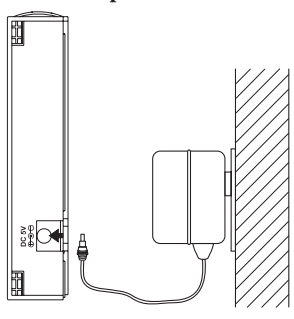
If no signals are received, try moving the base unit closer to the remote sensor, face the remote sensor towards the base unit, and minimize obstructions such as doors and walls between the sensor and base unit.

MANUAL SETTINGS
It is necessary to set the desired US **TIME ZONE**.

1. Press **MODE** button so that the Day of the Week abbreviation is displayed to the right of the time; for example 2:37 TU.
2. Select the Time Zone by pressing and holding “+” button for 3 seconds.
3. Keeping holding “+” button until the desired US Time Zone (Pacific, Mountain, Central, Pacific) is highlighted on the display’s US map, located to the right of the time display above the day of the week.
4. Release the “+” button, the Time Zone is set.

HOW TO SET THE CLOCK MANUALLY
Press and hold MODE for 3 seconds: the display will flash the year. Press “+” or “-” to change the values of the flashing digits.
After the first value is set, press **MODE** again. Continue setting month, day, hour, minutes, language, and Fahrenheit or Celsius display option. When you’ve set the last value, press **MODE** a final time to return to regular mode. Display will stop flashing.
The clock can also be set atomically. See section How to Set the Radio Controlled Clock.

To install the AC adapter for Continuous Projection:



Use 2 AA batteries and the included AC adapter (AC120V, 60Hz-DC5.0V, 100mA).

PROJECTION IMAGE OF CURRENT TIME AND OUTDOOR TEMPERATURE:

1.



2. Press "**FLIP**" to rotate projection image 180° clockwise.



3. Press and hold the "FLIP" button for 2 seconds to change temperature information from outdoor temperature to indoor temperature.



4. Press and hold the "**FLIP**" key for 2 seconds again, and the display will alternate between indoor and outdoor temperatures every 5 seconds.

CALENDAR AND CLOCK DISPLAY MODES
Date is displayed in month-date format. Each press of the MODE button will change the clock display setting between time with seconds, time with day of week, time in new zone (for use when traveling to other time zones) with seconds and time in new zone with day of week.

ALARM FEATURE
* Weekday Alarm
The alarm will sound and the alarm icon will flash at the set time on Mondays through Fridays.

* Single Day Alarm
The alarm will sound and the alarm icon will flash at the set time, but will not activate on subsequent days.

* Pre-Alarm
If the outdoor temperature is at or below 32º F/0º C, the pre-alarm will sound and the icon will flash 15, 30, 45, 60 or 90 minutes prior to the weekday or single alarm time. Press and hold [**ALARM**] for two seconds in Pre-Alarm mode to set pre-alarm duration.
" " (Weekday alarm) " " (Single day alarm), and "Pre-AL" (Pre-alarm) icons will be displayed to indicate which alarm mode is armed. You can arm or disarm an alarm by pressing the [+],[-] button at alarm display mode. Press **MODE** to toggle between alarm modes and to return to the regular display.

HOW TO SET THE ALARM
Note: Unit must contain batteries or alarm will not sound!
To set an alarm,
1. Press [**ALARM**] once to display alarm time. If the alarm is off, the time will be displayed as "**OFF**".
2. Press and hold [**ALARM**] for two seconds. The hour digit will blink.
3. Enter the hour using [+] or [-].
4. Press [**ALARM**] again. The minute digits will blink.
5. Enter the minutes using [+] or [-].
6. Press [**ALARM**] again to exit.
7. Repeat the same procedure to set single alarm.

SNOOZE FEATURE
When the alarm sounds, press the snooze key to temporarily silence the alarm. After 5 minutes, the alarm sound will resume. If the alarm sounds for 4 minutes, it will automatically stop.

HOW TO STOP AN ALARM
Press [**ALARM**] on the unit to deactivate an alarm. The time will be displayed as "**OFF**".

HOW TO READ THE KINETIC WAVE DISPLAY
The kinetic wave display shows the signal status of the main unit.

Searching for signal.	
Temperature signals successfully received.	
No signal.	°C

WWVB RADIO CONTROLLED TIME
The NIST radio station, WWVB, is located in Ft. Collins, Colorado, and transmits the exact time signal continuously throughout the United States at 60 KHz. The signal can be received up to 2,000 miles away through the internal antenna in the Hammacher Schlemmer Projection Alarm Clock and Weather Monitor. However, due to the nature of the Earth's ionosphere, reception can be limited during daylight hours. The radio control clock will search for an alternate station that derives its signal from the NIST Atomic clock in Boulder, Colorado.

The WWVB tower icon [] on the main unit's display will flash to indicate that the clock is receiving a radio signal from the WWVB radio station. If the tower icon is not fully lit, or if the time does not automatically set, please read the following:

* During nighttime hours, atmospheric disturbances are typically less severe and reception may be improved. A single daily reception is sufficient to keep the clock accurate to within 1 second.

* Make sure the main unit is positioned a minimum distance of 8 feet from any interference source such as a TV, computer monitor, microwave, etc.

* Within concrete rooms such as basements or office buildings, the received signal may be weakened. Try positioning the unit near a window.

WEATHER FORECAST
The weather monitor is capable of detecting atmospheric pressure changes. Based on collected data, it can predict the weather for the approaching 12 to 24 hours.

When the display shows…					
the forecast is…	sunny	Partly Cloudy	Cloudy	Chance of Rain	Rain Likely

NOTE:
1. The accuracy of a pressure-based forecasting is approximately 70%.
2. Display shows forecasted conditions, not current conditions.
3. The "Sunny" icon indicates clear weather, even when displayed during the nighttime.

MAXIMUM AND MINIMUM TEMPERATURE
The maximum and minimum record of the indoor and outdoor temperature will be automatically stored in the memory. It will display the minimum, maximum and the current reading upon each press of both "channel" & "-" buttons, the unit will revert back to the current temperature display after 15 seconds. To clear the memory, press "channel" & "-" buttons again, the maximum and minimum readings will be erased.

DISCONNECTED SIGNALS
If the display for a remote sensor goes blank unexpectedly, press [-] for 2 seconds to begin a signal search. If a signal still isn't received, please check the following:
1. The remote units are positioned in its proper location.
2. The distance between main and remote units are no more than 100 feet, and the path between units is clear of obstacles of possible interference. Shorten the distance between units if necessary.
3. Charged batteries are installed in both the remote unit and main unit. (Note: When the temperature falls below freezing, the batteries in outdoor remote sensors may have reduced voltage supply and a shorter effective range.

TRANSMISSION COLLISION
Signals from other household devices, such as doorbells, home security systems, and entry controls, may interfere with those of this product and may cause temporary reception failure. This is normal and will not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference subsides.

HOW TO SET THE RADIO CONTROLLED CLOCK
1. After the main unit receives temperature readings from the remote unit(s), the WWVB time signal receiver will automatically search for the time signal. This will take 5-8 minutes in typical conditions.
2. If the radio signal is received, the date and time will be set automatically, and the [] icon will appear.
3. If the time signal has not been received after 8 minutes, use the "MODE" button to set the time manually. The clock will continue to automatically search for the WWVB time signal for every hour between 1:00 am and 4:30 am each day. When the signal has been successfully obtained, the time and date will be updated automatically.

SPECIFICATIONS
Temperature Measurement
Main unit
Indoor Temperature measurement
Proposed operating range: 23.0°F to 122.0°F (-5°C to +50°C)
Temperature resolution: 0.1°C/ 0.2°F

Remote unit(s)
Proposed operating range (with alkaline batteries):
-4°F to + 158°F (-20°C to + 70°C)
Proposed operating range (with lithium batteries):
-38.8°F to +158°F (-38.8°C to + 70°C)
Temperature resolution: 0.1°C/ 0.2°F

RF Transmission Frequency: 433 MHz
Maximum no. of Remote units: 3
RF Transmission Range: Maximum 100 feet
Temperature sensing cycle: approximately 45 seconds

Calendar and Clock
12 hour display in hh : mm format
Date Format: Month – Day format
Day of week selectable in 3 languages (English, French, Spanish)
Dual 4-minute crescendo alarm with snooze
Pre-alarm for ice alert

Power
Main unit: 2 AA batteries and AC adapter
Remote units: 2 AA batteries

Weight
Main unit: 0.67 lb. (without battery)
Remote sensing units: 0.13 lb. (without battery)
Dimension
Main unit: 6.25(L) x 4.5(H) x 1.25(D) inches
Remote sensig units: 2(L) x 4(H) x 1(D) inches

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modification to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment had been tested and found to comply with the limits for a Class B Digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment, installed and used in accordance with the instructions, may cause harmful interference to radio communications.

There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct turning the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna
2. Increase the separation between the equipment and receiver.
3. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio / TV technician for help.