74292 DELTA RC WIRELESS WEATHER STATION
INSTRUCTION MANUAL

P178252GB070

Thank you for your purchase of this delicate Wireless Weather Station. Once you have inserted the batteries the clock will automatically set up and adjust at the change of Summer/Winter time. Please read these instructions carefully and keep the manual in a safe place for future reference.

The multifunctional weather station is equipped with many functions providing thorough weather information to you. The receiver unit has a clear, easy-to-read display that shows the weather forecast, indoor temperature, atmosphere pressure, moon phase, time, month, date as well as the temperature measured and transmitted from the remote sensors.

The receiver unit retains the minimum and maximum temperature readings measured at various locations. The 433 MHz technology means no wire installation is required and you can place the sensors anywhere you like within the transmission range of 30 meters.

Radio controlled Technology

The radio controlled mechanism fitted to your clock has a built in receiver which is tuned to the National Physical Laboratory (NPL) radio signal, called MSF, which is transmitted from the Anthorn radio station in Cumbria. The MSF signal is broadcast on a frequency of 60khz and carries a time and date code that radio controlled clocks use to set themselves to the correct time.The signal can cover a distance of about 1000 km from Anthorn.The time signal received is controlled by cesium atomic clocks and provides an accurate and reliable source of UK civil time based on the NPL time scale UTC (NPL).

Changing the batteries

- It is recommend that you replace the batteries annually even if the clock is still running.
- Only use AA (1.5V) Alkaline batteries in this clock.
- Please dispose of used batteries in a responsible manner.

YOUR GUARANTEE

Your clock is guaranteed for 12 months from the date of purchase against any faults arising from defective materials or manufacture. Damage caused through careless handling, misuse or in transit is expressly excluded. Should this clock fail within 12 months please return it in the first instance to your retailer.

If you have any queries, problems or do not understand any part of these instructions please contact:
Locall 0845 1207208 Customer Help Line (01908) 220020
Mon - Fri 9.00am - 4:30pm or e-mail for service:
service@acctim.com or visit www.acctim.com

Maintenance: A soft cloth may be used to clean your clock. Do not use any corrosive cleaner or chemical solutions on the clock. Keep the clock clean and dry to avoid any problems.

Environmental Protection

Disposal of electrical & electronic equipment
Do not dispose of this product with household waste. For the proper treatment, recovery and recycling please take this product to the appropriate collection point. If you are unsure of where this is contact your local authority. Improper disposal may be harmful to the environment.

ACCV.1.200608

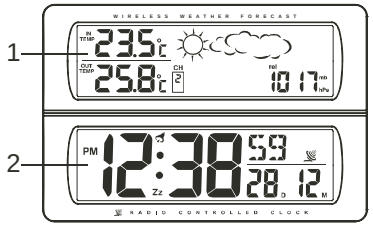
Remote sensor: 106g

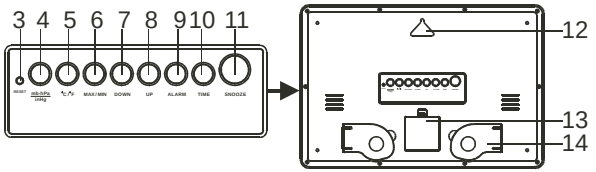
Dimension

Main unit: 430 (W) x 288 (H) x 35 (D) mm

Remote sensor: 40 (W) x 128 (H) x 23.5 (D) mm

MAIN FEATURES:
WEATHER STATION:





1. WEATHER WINDOW:
   - Shows the current indoor/outdoor temperature data and the maximum or minimum recorded for the indoor/outdoor temperature. Atmosphere pressure, moon phase, weather indicators and channels.

2. CLOCK WINDOW:
   - Displays the time, month, date, seconds or day of the week, signal quality indicator, daylight savings time (DST) icon.

3. RESET:
   - Press it to set all values to default values.
   - In case of mal-function, the unit may be required to reset.

4. mb-hPa · inHg:
   - In normal time or alarm time mode, press it to switch between mb-hPa and inHg.

5. °C/°F:
   - In normal time or alarm time mode, press it to switch between Celsius and Fahrenheit.
   - Press and hold it for 3 seconds to receive the RC signal for reception testing.

6. MAX / MIN:
   - Press it to check the minimum and maximum indoor and outdoor temperature records.
   - Press and hold it for 3 seconds to delete the maximum and minimum indoor / outdoor temperature records.

7. DOWN:
   - In setting mode, press it to decrease the setting values.

REMOTE SENSOR

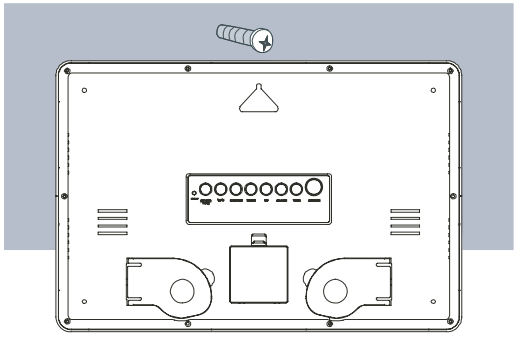
Recommended operating range:	-20 °C to 55 °C -4 °F to 131 °F
Resolution:	0.1°C/1°F (above 0°C/32°F) 1°C/ 1°F (below 0°C/32°F)
RF transmission frequency:	433MHz
RF transmission range:	maximum 30 meters
Temperature sensing cycle:	around 60 ~ 64 seconds
Radio controlled signal:	MSF

Power

Main unit:	6V, use 4 x AA 1.5V alkaline battery
Remote sensor:	3 V, use 2 x AA 1.5V alkaline battery

Weight

Main unit:	1635g



SPECIFICATIONS

MAIN UNIT

Recommended operating range:	0 °C to 45 °C 32 °F to 113 °F
Resolution:	0.1°C/ 1°F (above 0°C 32°F) 1°C/ 1°F (below 0°C/32°F)
Pressure measuring range:	850mb to 1050mb
Pressure sampling cycle:	15 minutes
Moon phase scanner range:	from year 2000 to 2050

- In normal time mode, press it to switch between Day of the week and Second display.

8. UP:
   - In setting mode, press it to increase the setting values.
   - In normal time mode, press it to switch among Channel 1, 2 and 3.
   - In alarm time mode, press it to turn on/off the alarm and snooze icon.

9. ALARM:
   - In normal time mode, press it once to enter the alarm time mode.
   - In normal time or alarm time mode, press and hold it for 2 seconds to enter the alarm time setting mode.
   - Press it to stop the current alarm when the bell is ringing and turn off the Snooze until the same time the next day.

10. TIME:
   - In normal time or alarm time mode, press and hold it for 2 seconds to enter the normal time setting mode.
   - In normal time or alarm time mode, press it to switch between Date/Month and Year display.

11. SNOOZE:
   - Press it to stop the current alarm when it is sounding and enter the snooze mode.

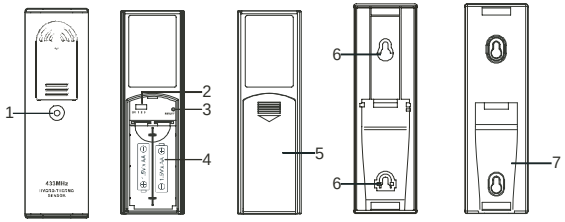
- In normal time or alarm time mode, press and hold it for 3 seconds to switch rel/abs atmosphere pressure mode (“rel” is for the “relative” and “abs” is for the “absolute”).

12. WALL-MOUNTING HOLDER:
- Use it to support the main unit in the wall mounting.

13. BATTERY COMPARTMENT:
- Accommodates 4 AA size batteries.

14. TABLE STAND:
- Use it to stand the clock on the desktop.

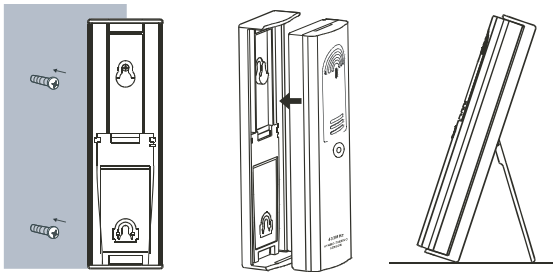
TRANSMITTER:

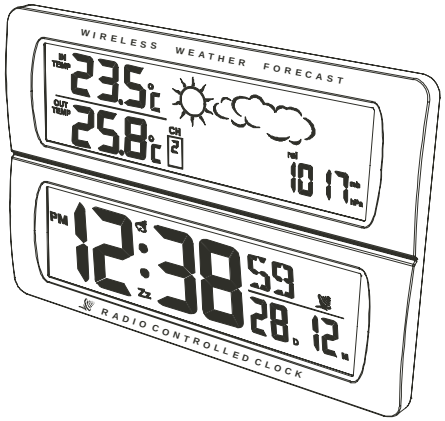


1. LED indicator: " "
- Flashes when the remote unit transmits a reading.

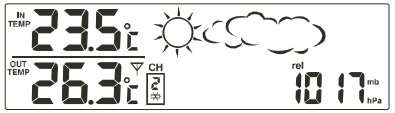
2. CHANNEL SLIDE SWITCH:
- Assign the transmitter to Channel 1, 2 or 3.

3. °C/°F button. Press to select between Celsius & Fahrenheit.





Transmitter's low battery indicator
(shows on the main unit)



NOTE:

Attention! Please dispose of used unit or batteries in an ecologically safe manner.

USING THE TABLE STAND AND WALL-MOUNTING STAND

The receiver and transmitter have both the desktop and wall-mounting structures. For the receiver, place the screw on the desired wall and hang the receiver by the recessed hole at the back of the clock or just simply place it on the desktop by the table stand. For the transmitter, fix the separate wall-mounting stand outside in the area protected from direct rain by the screw. Once the stand is mounted, place the transmitter into the stand on the wall. Besides, you can place it on the desktop by its table stand.

3. RESET:
   - Press it to restart the transmitter.

4. BATTERY COMPARTMENT:
   - Accommodates 2 AA size batteries.

5. BATTERY DOOR:

6. WALL-MOUNTING HOLDER:
   - Use it to support the transmitter in the wall mounting.

7. TABLE STAND:
   - Use it to stand the transmitter on the desktop.

BEFORE USING THE TRANSMITTER:

1. Remove the transmitter from the stand and open the battery door.
2. Insert 2 AA size batteries into the battery compartment. Make sure you insert them the right way according to the polarity information marked on the battery compartment.
3. Close the battery door.

NOTE:

1. Once the channel is assigned, if you wish to change the channel again you will need to select the new channel first and then either press reset or remove the batteries.

2. Avoid placing the transmitter in direct sunlight, rain or snow.

WEATHER STATION:

1. Remove the battery door and insert 4 AA size batteries into the battery compartment. Make sure you insert them the right way according to the polarity information marked on the battery compartment.
2. Close the battery door.
3. Press the “RESET” key to re-start the clock and it will synchronize with the channels of transmitter automatically.

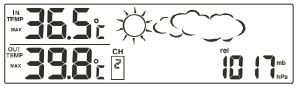
NOTE:

1. The building material and the position of the receiver and transmitter affect the effective range. So try various locations to obtain the best result.
2. Place the unit away from metal objects and electrical appliances to minimize the interference. Position the receiver and transmitter within the effective transmission range: 30 meters in usual circumstances.

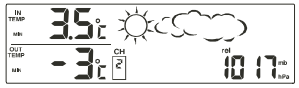
ABOUT THE WEATHER INDICATOR

The built-in barometer can notice atmosphere pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 12-24 hours.

MAX.temperature record

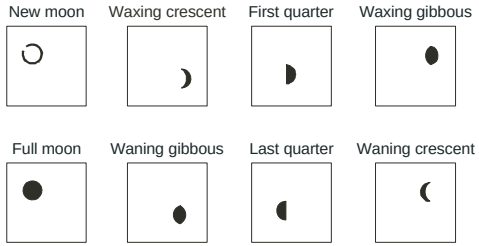


MIN.temperature record



ABOUT THE MOON PHASE

The unit has 8 different moon phases. It will change according to the lunar calendar.



BATTERY REPLACEMENT

When the LCD becomes dim, replace with 4 AA size batteries at once; while if the low battery indicator “ ” displays in the Outdoor Temperature window, it indicates that the battery power of the transmitter is not enough, and you should replace with 2 AA size batteries at once.

HOW TO READ INDOOR AND OUTDOOR TEMPERATURE RECORDS

Change the temperature unit to °C for Celsius or °F for Fahrenheit by pressing the "°C/°F" key.
If the readings go above or below the operating range, the receiver will keep showing the last record within the operation range.

NOTE:

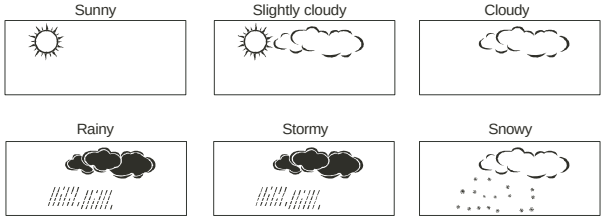
1. If no signals are received or the transmission is interfered, "---" will appear on the LCD.
2. Relocate the clock or the transmitter in other positions and make sure the transmission is within the effective range of 30 meters approx.
3. After several trials in vain, please reset the clock thoroughly. Try out where your multifunctional alarm clock receives the signals best.

CHECKING AND DELETING MAX. /MIN. TEMPERATURE RECORDS

1. Press the "MAX/MIN" key once to check the maximum temperature record. Press it twice to check the minimum record. Press it again to exit.
2. Press and hold the "MAX/MIN" key for 3 seconds to delete the maximum and minimum temperature records.

NOTE:

1. The accuracy of a general pressure-based weather forecast is about 70% to 75%.
2. The weather forecast is meant for next 12 to 24 hours. It may not necessarily reflect the current situation.
3. The "Sunny" icon can only appear from 6 AM to 8 PM; while if the weather is Cloudy/Rainy/Stormy during this period, the "Sunny" icon may not appear.
4. The "Moon phase & Star" icon can only appear from 8 PM to 6 AM; while if the weather is Cloudy/Rainy/ Stormy during this period, it may not appear either.
5. The "Rainy" and "Stormy" icons are different only in the dropping frequency of the rain. The rain dropping frequency in the "Stormy" icon is faster than that in the "Rainy" icon.
6. The "Snowy" weather forecast is not based on the atmosphere pressure, but based on the outdoor temperature. When the outdoor temperature is below –3°C (26°F), the "Snowy" weather indicator will display on the LCD.



RECEPTION OF RADIO CONTROLLED TIME SIGNAL

The time and date are radio-controlled. The current time and date are automatically synchronized with the MSF time signal transmitted from Anthorn in Cumbria.The Anthorn transmitter is periodically shut down for scheduled maintenance resulting in no signal being transmitted. For dates of the schedule maintenance visit www.npl.co.uk/server.php?show=ConWebDoc.1001 call the NPL MSF recorded message on (0)20 8943 6493

MSF reception difficulties

Like any receiver your clock needs a good signal to work properly. The main causes of reception failure are...

* Atmospheric and local interferences
* Interference from electrical equipment e.g. T.V, computers or radios within 2 meters of the clock.
* Location of the clocks internal receiver within the building
* Reduced local signal due to steel framed structure
* Outside the normal transmission radius

The following suggestion may help improve reception of the MSF signal:

* Check that the batteries are new and in good condition.
* Check that the batteries are inserted correctly.
* Try rotating the clock as the internal receiver that picks up the signal is most effective when it is facing directly towards or away from Anthorn.
* Try moving your clock to a new location away from any electrical equipment e.g. T.V, computers or radios.
* Remove the battery and insert again after 5.30pm. Due to local interference the signal is stronger between midnight and 5am.

5. Repeat the above operation to set the alarm Minute.
6. Press the “ALARM” key to save and exit the setting mode, or let it exit automatically 30 seconds later without pressing any key.

NOTE:

1. The alarm will be automatically turned on when you set the alarm time.
2. Once the Snooze is turned on, the 4-step crescendo alarm will sound 4 times in 5-minute interval. The alarm duration is 60 seconds.
3. Pressing the “SNOOZE” key can stop the current alarm and enter the Snooze mode; while pressing the “ALARM” key can not only stop the alarm but also turn off the Snooze function.

5

Alarm and Snooze ON

Alarm and Snooze OFF

VIEWING THE CHANNEL

The default channel is Channel 1. In normal time mode, press the “UP” key to view the channels from 1 to 3. Besides, the channels can automatically switch by pressing and holding the “UP” key for 2 seconds in normal time mode. To stop press the "UP" key once in normal mode.

NOTE:

1. The default relative atmosphere pressure value is 1013 mb/hPa (29.91 inHg), which refers to the average atmosphere pressure.
2. When you change the relative atmosphere pressure value, the weather indicators will change along with it.
3. The built-in barometer can notice the environmental absolute atmosphere pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 12-24 hours. Therefore, the weather indicators will change according to the detected absolute atmosphere pressure after you operate the clock for 1 hour.
4. The relative atmosphere pressure is based on the sea level, but it will change with the absolute atmosphere pressure changes after operating the clock for 1 hour.

ALARM AND SNOOZE SETTING

1. In normal time mode, press the “ALARM” key once to enter the alarm time mode.
2. In alarm time mode, press the “UP” key to turn on the Alarm and Snooze with the bell icon “ ” and snooze icon “ Zz” displayed together on the LCD.
3. In alarm time mode, press and hold the “ALARM” key for 2 seconds to enter the alarm time setting mode until the HOUR digit flashes.
4. Press the “UP” or “DOWN” key to change the value of the flashing HOUR digit.

When used for the first time (after inserting the batteries or pressing the “RESET” key), the clock starts receiving the time signals and the reception display will flash in minutes.

SIGNAL QUALITY INDICATOR

If the signal indicator flashes once in one second, it indicates that the signal quality is poor; while if the signal indicator flashes twice in one second, it means that the signal quality is strong.

Normal Status - The unit will automatically search for the time signal at 2:00, 8:00, 14:00 and 20:00 each day.

Note: If the clock does not receive the Time Signal during initial set-up or at the change of Summer/Winter time you can manually set the time. See section Manual Time & Calendar Setting.

DAYLIGHT SAVINGS TIME (DST)

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

MANUAL TIME AND CALENDAR SETTING

If you are out of reach of the Radio Controlled transmitter or if the reception is not reachable, the time can be set manually. As soon as the signal of transmitter is received again, the clock will automatically synchronize with the RC time.

1. In normal time mode, press and hold the “TIME” key for 2 seconds until the HOUR digit flashes.
2. Press the “UP” or “DOWN” key to change the value of the flashing HOUR digit.
3. Repeat the above operation to set the time and calendar in this order: Hour > Minute > Second > 12/24 Hr > Year > Month > Date > Day language (GB–FR–DE–ES–IT) > Atmosphere pressure (only in “rel” atmosphere pressure mode).
4. The 5 languages weekday settings are represented by the below abbreviations: GB= English FR= French DE=German ES= Spanish IT= Italian

English	Germany	French	Spanish	Italian
SUN	SON	DIM	DOM	DOM
MON	MON	LUN	LUN	LUN
TUE	DIE	MAR	MAR	MAR
WED	MIT	MER	MIE	MER
THU	DON	JEU	JUE	GIO
FRI	FRE	VEN	VIE	VEN
SAT	SAM	SAM	SAB	SAB

5. Press the “TIME” key to save and exit the setting mode, or let it exit automatically 30 seconds later without pressing any key.

NOTE:

The relative atmosphere pressure is the last setting item in this section, but it is not mentioned specifically. If you want to know the relative atmosphere pressure of your home area, you can set it according to the following section.

RELATIVE ATMOSPHERE PRESSURE SETTING

The “rel” display on the LCD is the abbreviation of “relative”, which refers to the relative atmosphere pressure based on the sea level; while “abs” is the abbreviation of “absolute”, which means the absolute atmosphere pressure of your location. You can set the relative atmosphere pressure value according to the following steps:

1. Get the atmosphere pressure data of the sea level (it is also the relative atmosphere pressure data of your home area) through the local weather service, Internet or other channels.
2. In normal time or alarm time mode, press and hold the “SNOOZE” key for 3 seconds to enter the “rel” atmosphere pressure mode.
3. Repeat the Time and Calendar setting operations in the above section until the Atmosphere Pressure digit flashes.
4. Press the “UP” or “DOWN” key to change the value of it.
5. Press the “TIME” key to save and exit the setting mode, or let it exit automatically 30 seconds later without pressing any key.