

User Manual

ACCUR8 Weather Forecast Station

YD8230A-4UK-BL (black version) & YD8230A-4UK-WH (white version)

1. Introduction

Thank you for purchasing this ACCUR8 product. This user manual is to be considered a component of the device. Read carefully before using the device. Keep in a safe place for future reference. When the device is sold or given to someone else, the user manual must be provided to the new owner/user of the product.

As part of our ongoing policy to improve the design and specification of our products, we reserve the right to change any detail given without prior notice. Tempcon Instrumentation Ltd shall not be responsible for any liability of any nature which may result from the use of any information provided in technical literature.

Errors and technical changes excepted.

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2. General Safety Instructions

Risk of electric shock

Only use the device as described in the manual; otherwise, you run the risk of an electric shock.

- Children must only use the device under adult supervision.
- Disconnect the device from the power supply before starting any maintenance or cleaning of the device.
- Position your device so that it can be disconnected from the power supply at any time. The power socket should be installed near the device and should be easily accessible as the mains cable plug is used to disconnect the device from the power supply.
- Before starting up the device, check the device, the cables and the connections for signs of damage.
- To disconnect the device from the power supply, always pull on the plug. Never pull on the cable.
- Never use a damaged device or a device with damaged live parts.
- Only use the display console in completely dry environment and do not touch it with wet or moist parts of your body.

Risk of suffocation/choking

- Keep packaging materials (plastic bags, rubber bands etc.) away from children. They can cause suffocation.
- This product contains small parts that could be swallowed by children. There is a risk of choking.

Risk of fire/explosion

- Do not expose the device to high temperatures. Use only the supplied power supply or the recommended batteries. Do not short-circuit the device or batteries or throw them into a fire. Excessive heat or improper handling could trigger a short circuit, a fire, or an explosion.

Risk of damage to property

- Never disassemble the device. In the event of a fault, please contact your retailer.
- Do not expose this device to high temperatures and protect it from water and high humidity.
- Do not immerse the unit in water.
- Protect the device from severe shocks or excessive vibrations.
- For this device, only use accessories and spare parts that comply with the technical information.
- Use only the recommended batteries. Always replace weak or empty batteries with a new, complete set of

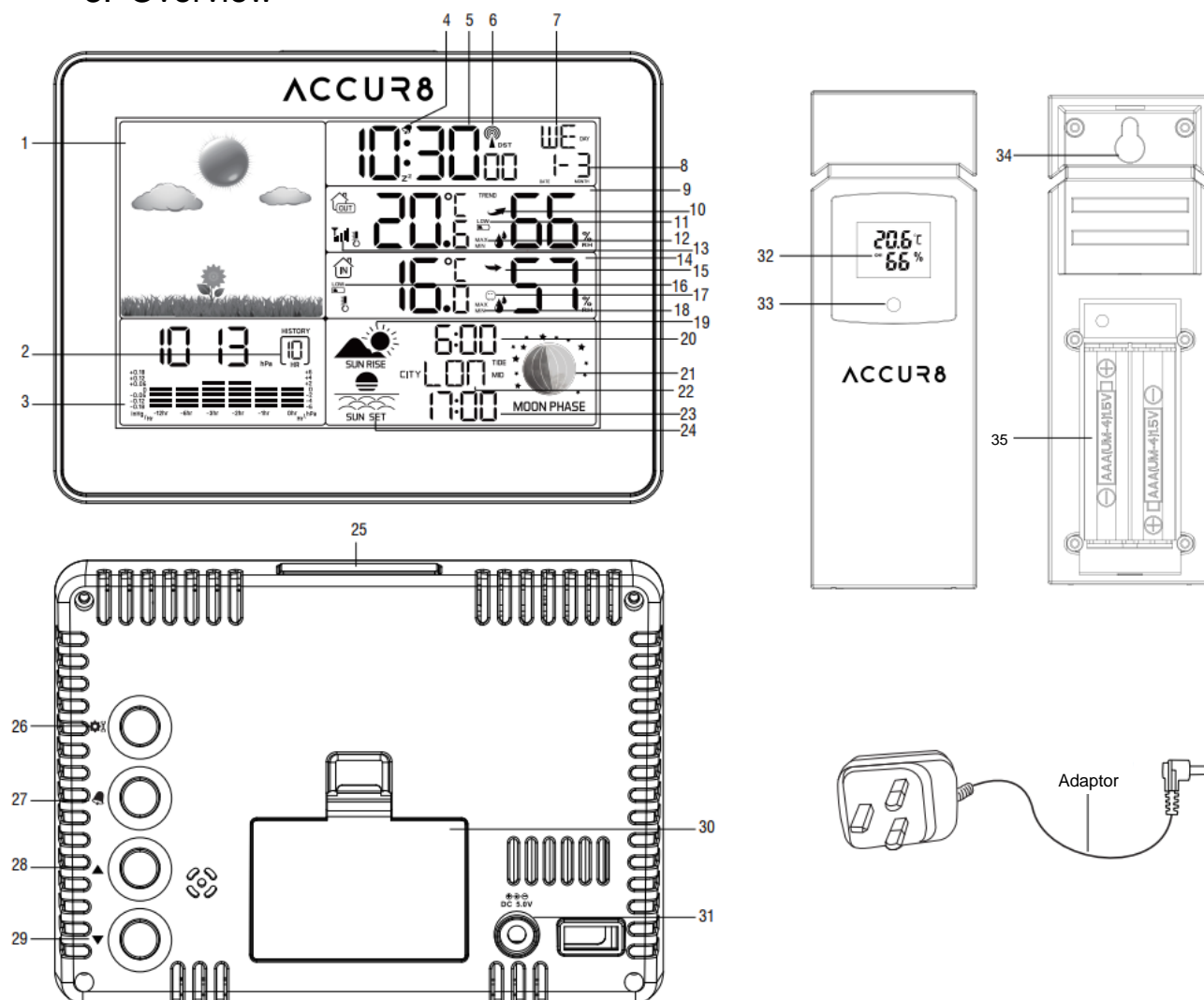
batteries at full capacity. Do not use batteries from different brands or with different capacities. Remove the batteries from the unit if it has not been used for a long time.

- Rechargeable batteries are not recommended.

Risk of voltage damage

The manufacturer is not liable for voltage damage due to improperly inserted batteries or through the use of an improper power adaptor.

3. Overview



1. Weather forecast indicated by six icons: Sunny, Partly Sunny, Cloudy, Rainy, Stormy, Snowy
2. Barometer reading history selection
3. Barometer history chart
4. Alarm icon
5. Time
6. MSF UK radio-controlled time signal
7. Weekday display
8. Day and month
9. Outdoor temperature (°C/°F selectable) and humidity
10. Outdoor temperature trend
11. Low battery indicator (remote sensor)
12. Max and min daily record icons
13. Remote sensor signal strength

14. Indoor temperature (°C/°F selectable) and humidity
15. Indoor temperature trend
16. Low battery indicator (main unit)
17. Comfort icon
18. Max and min icons
19. Sunrise icon
20. Sunrise time
21. Moon phase & tide state
22. City name
23. Sunset time
24. Sunset icon
25. SNZ/LIGHT button
26. MODE button
27. Alarm button
28. Up button
29. Down button
30. Battery cover
31. DC power socket
32. Temperature and humidity (remote sensor)
33. LED indicator
34. Hanging hole
35. Battery cover

4. Initial Setup

1. To install the backup batteries, remove the Display Console battery cover and insert three AAA batteries (not included).

Once the batteries are inserted, you have 3 minutes to complete steps 3 and 4. Don't worry if you run out of time. It's easy to start over!

2. Remove back cover of the remote sensor.
3. Install two AAA batteries into the remote sensor.
4. Once the batteries are inserted into the remote sensor, the red light will turn on. Once the red light disappears, the temperature reading of that transmitter will be displayed on the Display Console screen.
5. Connect the Display Console to mains power with the included power adaptor.

Note: If the Display Console is being powered solely by batteries; in order to conserve battery power, the screen will illuminate for 10 seconds after the SNZ/LIGHT button is pressed, then will go dim until the SNZ/LIGHT button is pressed again.

Placement Guidelines

- Display Console and remote sensor must be within 30m (99ft) of each other.
- To maximise wireless range, place the units away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.
- To prevent wireless interference, place both units at least 9m (3ft) away from other electronic devices.

Radio-controlled Time Reception

In Normal mode, press the **MODE** button to start or stop receiving the radio-controlled time signal.

Important notes:

- It can help to place the Display Console near an open window while it is searching for the radio-controlled time signal
- When searching for the radio-controlled time signal, the display screen will be dimmed.

Manual Time Setting

1. Press and hold the **MODE** button for approximately three seconds to enter time setting mode.
2. Digits to be set will be flashing.
3. Press **UP** or **DOWN** button to change the value.
4. Press the **MODE** button to confirm and continue to the next setting.
5. Finally press the **MODE** button to save the settings and exit the setting mode.

Settings order: 24hr/12hr > Hours > Minutes > Year > Month > Day > °C/°F > Barometric unit > Language for weekday display > Country > City.

Country/City Setting

Note: In order to see accurate sunrise and sunset times, please select the closest city to you from those available (see '**Abbreviations of Country and City**' below). By default, the display screen is set to 'London'.

If you need to change the selected City:

1. Press and hold the **MODE** button for approximately three seconds to enter time setting mode.
2. Press the **MODE** button repeatedly until 'UK' flashes in the City section
3. Press **UP** or **DOWN** button to change the country.
4. Press the **MODE** button to confirm and continue to the city setting.
5. Press **UP** or **DOWN** button to scroll through the list of available cities in your country.
6. Finally press the **MODE** button to save the settings and exit the setting mode.

Abbreviations of Country and City

Country: UK

ABD	ABERDEEN
BEL	BELFAST
BIR	BIRMINGHAM
BRI	BRISTOL
EDI	EDINBURGH
GLA	GLASGOW
LON	LONDON
MAN	MANCHESTER
PLY	PLYMOUTH

Country: Ireland (IRL)

DUB	DUBLIN
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Alarm Time Setting

1. In Normal mode, press the **ALARM** button once to enter the Alarm mode.
2. In Alarm mode, press **ALARM** button again to turn on or turn off the Alarm.
3. In Alarm mode, press and hold the **ALARM** button for approximately three seconds to enter the Alarm time setting mode. Digits to be set will be flashing.
4. Press **UP** or **DOWN** button to change the value.
5. Press **ALARM** button to confirm and continue to the next setting. Settings order: Hour > Minute.
6. Press the **MODE** button to return to Normal mode.

When the alarm sounds: press the **ALARM** button to stop the alarm / press the **SNZ/LIGHT** button to snooze for 10 minutes.

MAX/MIN Temperature and Humidity

1. In Normal mode, Press the **UP** button to check the Max and Min temperature and humidity records.
2. In Max/Min temperature and humidity mode, press and hold the **UP** button for approximately three seconds to clear the records.

Weather Forecast

The unit predicts weather conditions for the next 12 - 24 hours, based on atmospheric pressure change and is about 70-75% accurate.



Snowy



Sunny



Partly sunny



Cloudy



Rainy



Stormy

Day of Week Display

	GE FR ES IT NE DA RU EN							
	GERMAN	FRENCH	SPANISH	ITALIAN	NETHERLANDS	DENMARK	RUSSIA	ENGLISH
SUNDAY	SO	DI	DO	DO	ZO	SO	BC	SU
MONDAY	MO	LU	LU	LU	MA	MA	NH	MO
TUESDAY	DI	MA	MA	MA	DI	TI	BT	TU
WEDNESDAY	MI	ME	MI	ME	WO	ON	CP	WE
THURSDAY	DO	JE	JU	GI	DO	TO	YT	TH
FRIDAY	FR	VE	VI	VE	VR	FR	NT	FR
SATURDAY	SA	SA	SA	SA	ZA	LO	CE	SA

Barometer Reading History Selection

This function allows you to view past barometric pressure readings.

In Normal mode, press the **DOWN** button once for every hour you wish to step back from the current reading. For example, if you would like to see what barometer pressure reading was 10 hours ago, press the DOWN button 10 times (until '10' shows in the History window).

When the History window shows '0', you are viewing the current barometric pressure.

Replacing Transmitter Batteries / Receiving New Readings

If you have replaced the batteries on a remote sensor, or would like to receive updated readings, press and hold the **DOWN** button for approximately three seconds. After three seconds, you will see "---". Receiving new readings can take up to three minutes.

5. Measurement Specifications

Indoor Temperature

1. Operating temperature range 0°C to 50°C (32°F to 122°F)
2. Accuracy ± 1 degrees Celsius 0°C to 50°C (32°F to 122°F)

Indoor Humidity

1. Operating humidity range 1% RH to 99%RH
2. Accuracy $\pm 5\%$ RH (@25°C, 30%RH to 80%RH)
3. Accuracy $\pm 8\%$ RH (@25°C, 20%RH to 29%RH and 80%RH to 95%RH)
4. Accuracy $\pm 12\%$ RH (@25°C, 1%RH to 19%RH and 96%RH to 99%RH)

Outdoor Temperature

1. Operating temperature range -30°C to 60°C (-22°F to 140°F)
2. Accuracy ± 1 Degrees Celsius from 0°C to 50°C (32°F to 122°F)
3. Accuracy ± 2 Degrees Celsius from -30°C to 0°C (-22°F to 32°F) and 50°C to 60°C (122°F to 140°F)

Outdoor Humidity

1. Operating humidity range 1% RH to 99%RH
2. Accuracy $\pm 5\%$ RH (@25°C, 20%RH to 90%RH)
3. Accuracy $\pm 8\%$ RH (@25°C, 20%RH to 30%RH and 80%RH to 95%RH)
4. Accuracy $\pm 12\%$ RH (@25°C, 1%RH to 19%RH and 96%RH to 99%RH)

6. Service

Please contact us for any questions regarding the product or claims, preferably by email.

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7. Disposal

Dispose of the packaging materials properly, according to their type, such as paper or cardboard. Contact your local waste-disposal service or environmental authority for information on the proper disposal.

Do not dispose of electronic devices in the household rubbish! Used electronic devices must be collected separately and recycled in an environmentally friendly manner.

Do not dispose of batteries and rechargeable batteries with the household waste. After they are used, the batteries can be returned to our point of sale or to a nearby location (for example, retailers or municipal collecting points).

Batteries and rechargeable batteries are marked with a symbol of a crossed-out dustbin and the chemical symbol of the pollutant. "Cd" stands for Cadmium, "Hg" stands for mercury and "Pb" stands for lead.

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