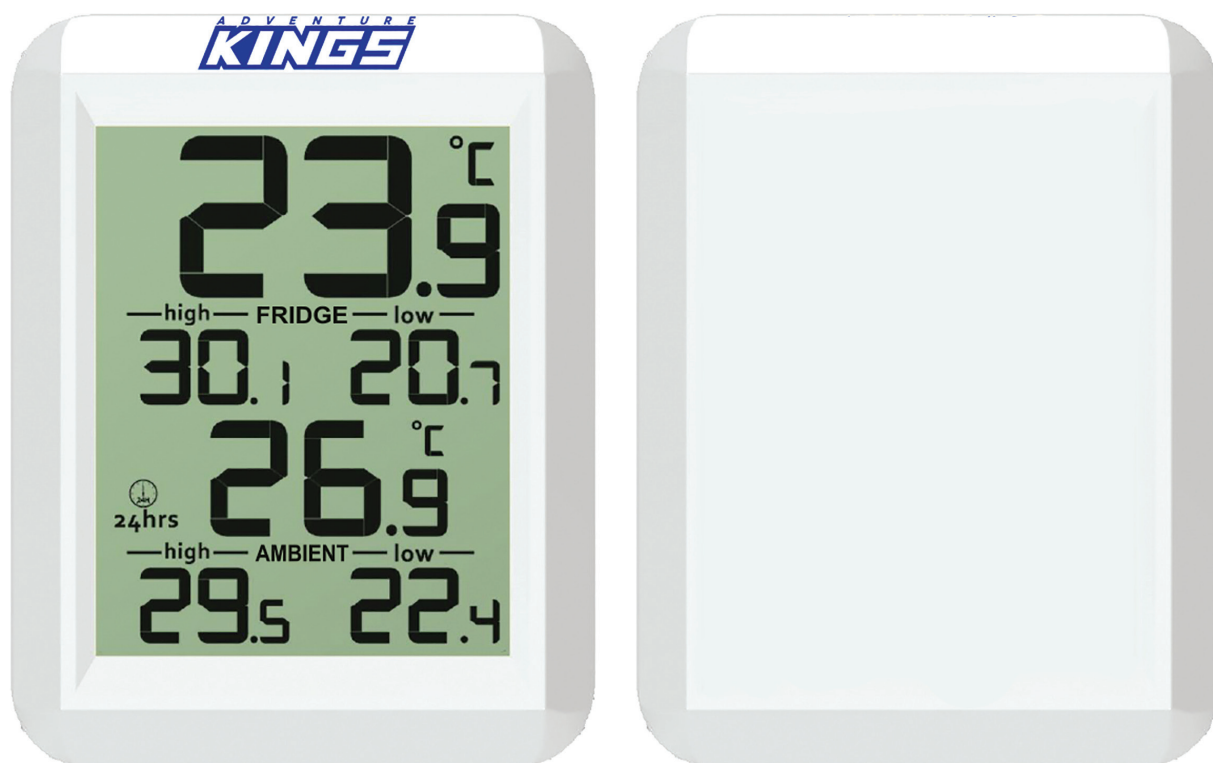




# Remote Thermometer **USER MANUAL**

Please read and understand this manual completely  
before using this product.

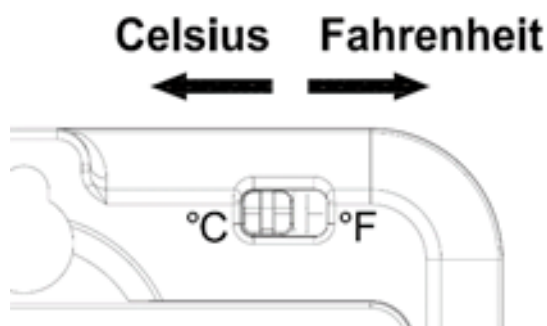


# PARTS LIST

QTY	ITEM
1	<b>Receiver (LCD Display)</b> Frame Dimensions (LxWxH): 7.5 x5.8 x 1.9cm LCD Dimensions (LxW): 4.1 x5.2cm
1	<b>Transmitter</b> Dimensions (LxWxH):6.8 x5.0 x 2.0cm
1	<b>User Manual</b>

## CHOOSING BETWEEN CELSIUS OR FAHRENHEIT:

Before inserting the batteries, the user can choose which unit of measurement is best for them. To change between Celsius and Fahrenheit, turn over to the back of the receiver and move the switch left to °C (Celsius) or right to °F (Fahrenheit). Then insert the batteries and the LCD Display will show the selected temperature unit.



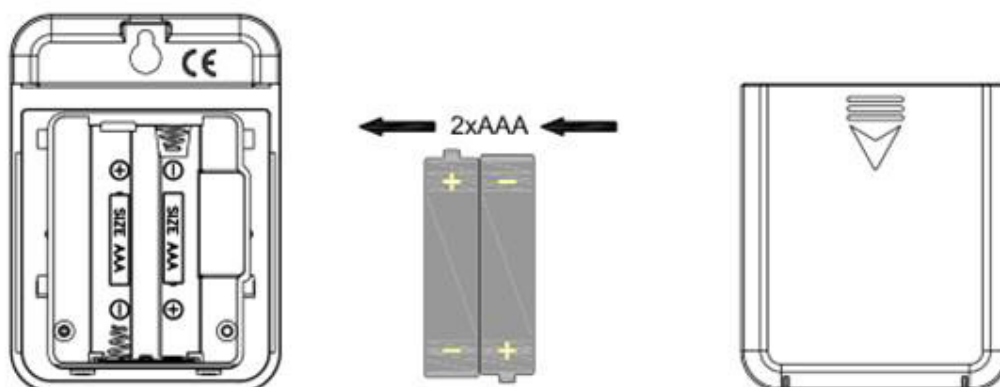
## INSERTING BATTERIES:

The Receiver and Transmitter are powered by 4x AAA (alkaline or lithium) batteries, 2x in each. To insert the batteries, pull down the cover on the back of the unit and insert the 2 batteries into their slots.



**CAUTION: to avoid permanent damage, please take note of the battery polarity before inserting the batteries.**

Once inserted, slide the cover back into place, the LCD Display should now start displaying information.



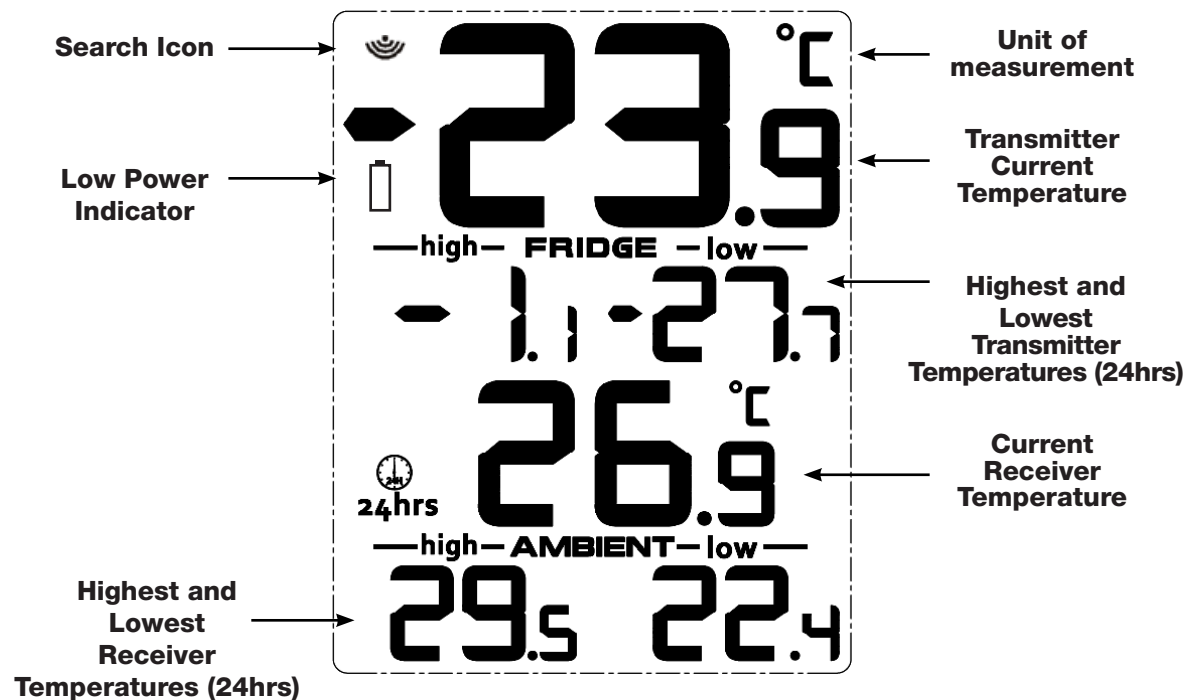
## USING THE REMOTE THERMOMETER:

With the batteries inserted, the LCD Display will instantly show the 'AMBIENT' temperature. This is the temperature reading for the Receiver's location.

The 'FRIDGE' temperature's display will show --.-, then update to the Transmitter's current temperature after a few minutes.

If the sensor communication is lost, dashes (--.-) will be displayed on the 'FRIDGE' temperature. The Remote sensor search icon search-icon will automatically search for the signal.

Once the signal is reacquired, the remote search icon search-icon will turn off, and the Transmitter's current temperature value will be displayed.



## Clearing 24hr Highest & Lowest Temperatures:

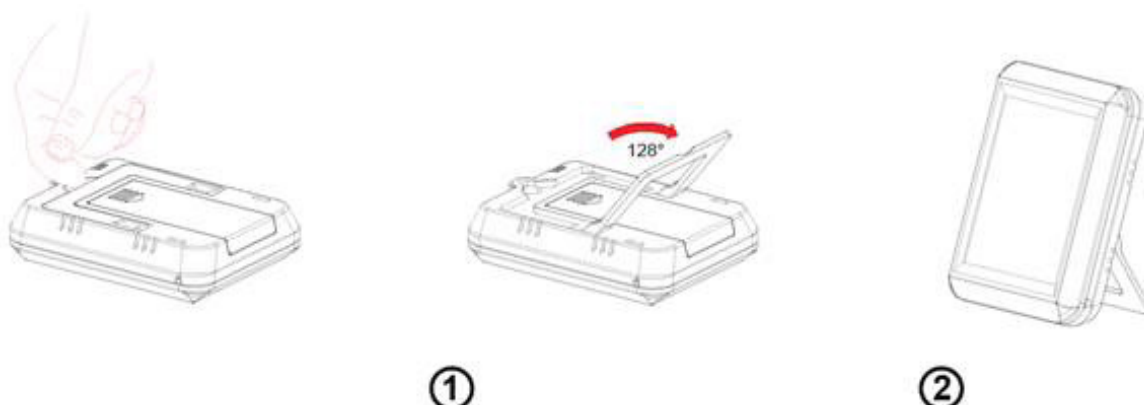
To reset the current highest and lowest temperatures for the current 24-hour period, remove the battery from the Receiver and reinsert.

## Sensor Operation Verification:

To verify the Receiver (AMBIENT) and Transmitter (FRIDGE) temperature coincide, place the Receiver and Transmitter in the same location (about 1.5m apart). The sensors should be within 2°C (the accuracy is  $\pm 1^\circ\text{C}$ ). Allow about 30 minutes for both sensors to stabilize.

## FOLD-OUT STAND:

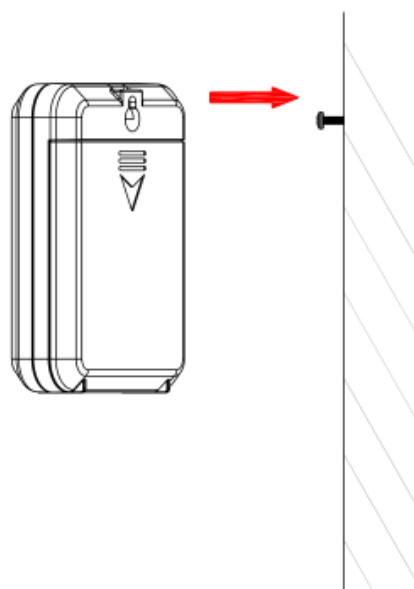
The Remote Thermometer Receiver includes a fold-out stand that allows the unit to be positioned upright on a flat surface.



## Receiver and Transmitter Positioning:

Take care when positioning the Receiver & Transmitter, avoid direct sunlight, and radiant heat sources, as these will result in inaccurate temperature readings. Additionally, the Receiver & Transmitter should always be kept away from water and other liquids.

Located on the back of the Receiver & Transmitter is a screw/nail mount, (screw/nail not included) this allows the user to mount the Receiver & Transmitter up-right and out of the way.



## Measurement Specifications:

The following table provides specifications for the measured parameters.

DEVICE	RANGE	ACCURACY	TRANSMITTER
Receiver	0 to 60 °C	± 1 °C	0.1 °C
Transmitter	-40 to 60 °C	± 1 °C	0.1 °C

## Power Consumption:

- **Receiver:** 2 x AAA 1.5V Alkaline batteries
- **Transmitter:** 2 x AAA 1.5V Alkaline or Lithium batteries
- **Battery life:** Minimum 24 months for Receiver  
Minimum 24 months for Transmitter (use lithium batteries in cold weather climates less than -20 °C)

## WIRELESS SPECIFICATIONS

- Line of sight wireless transmission (in open air): 100 meters, 30meters under most conditions
- Frequency: 433 MHz
- Update Frequency: 60 seconds

## Best Practices for Wireless Communication

Wireless communication is susceptible to interference, distance, solid objects, and metal barriers. We recommend the following practices for trouble free wireless communication.

- 1. Electro-Magnetic Interference (EMI).** Keep the console several meters away from computer monitors and TVs.
- 2. Radio Frequency Interference (RFI).** If you have other 433 MHz devices and communication is intermittent, try turning off these other devices for troubleshooting purposes. You may need to relocate the Receiver & Transmitter to avoid intermittent communication.
- 3. Line of Sight Rating.** This device is rated at 100m line of sight (no interference, barriers, or walls) but typically you will get 30m maximum under most real-world installations, which includes passing through barriers or walls.
- 4. Metal Barriers.** Radio frequency will not pass through metal barriers such as aluminium siding.

# TROUBLESHOOTING GUIDE

PROBLEM	SOLUTION
<p>Transmitter not reporting to console.</p> <p>There are dashes (--.) on the display console.</p>	<p>The maximum line of sight communication range is 100 meters and 30 meters under most conditions. Move the Transmitter closer to the LCD Display.</p> <p>If the Transmitter is too close (less than 1 meter), move the Transmitter away from the display console.</p> <p>Cycle power on the LCD Display. The Receiver may have exited the search mode.</p> <p>Install a fresh set of batteries in the Transmitter. For cold weather environments, install lithium batteries.</p> <p>Make sure the Transmitter are not transmitting through solid metal (acts as an RF shield), or earth barrier (down a hill).</p> <p>Move the Receiver around electrical noise generating devices, such as computers, TVs and other wireless transmitters or receivers.</p>
<p>Transmitter reads too high a temperature in the day time.</p>	<p>Make sure the Transmitter is mounted in a shaded area.</p>
<p>Receiver and Transmitter Temperature do not coincide.</p>	<p>Allow up to 30minutes for the sensors to stabilize due to signal filtering. The Receiver and Transmitter temperature sensors should be within 2 °C (the sensor accuracy is ± 1 °C).</p>
<p>Receiver (LCD Display) contrast is weak.</p>	<p>Replace Receiver batteries with a fresh set of batteries.</p>



# 12 MONTH LIMITED WARRANTY

**PLEASE SEE WEBSITE FOR DETAILED INSTRUCTIONS ON  
HOW TO SET-UP & INSTALL YOUR REMOTE THERMOMETER**

## **WARRANTY PERIOD:**

Full 12 month warranty from date of purchase against all manufacturing defects.

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## **WHAT DOES THE WARRANTY COVER?**

Under normal usage conditions, this warranty covers:

- a. Any defect in design or manufacture which results in the product failing to perform substantially as described in authorised advertising or literature.
- b. We will either repair or replace the product at our discretion providing that the fault is found to have been caused by a design or manufacturing defect and not misuse or tampering.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits provided to you as the consumer by this warranty are in addition to other rights and remedies available to you under the law.

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## **THE WARRANTY DOES NOT COVER:**

- a. Any damage resulting from improper use
  - b. Faulty installation or modification made during installation
  - c. The cost of removing and reinstalling the product
  - d. Travel and /or other expenses due to customer's remote location
  - e. Transport charges and damage in transit. It is your responsibility to deliver and pick up your product, including any costs associated with the postage of your repair or replacement product. If you do freight your product we recommend that you insure against loss or damage.
  - f. Any loss directly or indirectly associated with the product failing to operate.
  - g. Damage caused by mould, insects, animals, misuse, incorrect operation, adverse weather, accidents and fair wear and tear
- 

TO MAKE A CLAIM, PLEASE ENSURE YOU RETAIN YOUR SALES RECEIPT OF PURCHASE

# CALL 1800 88 39 64



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