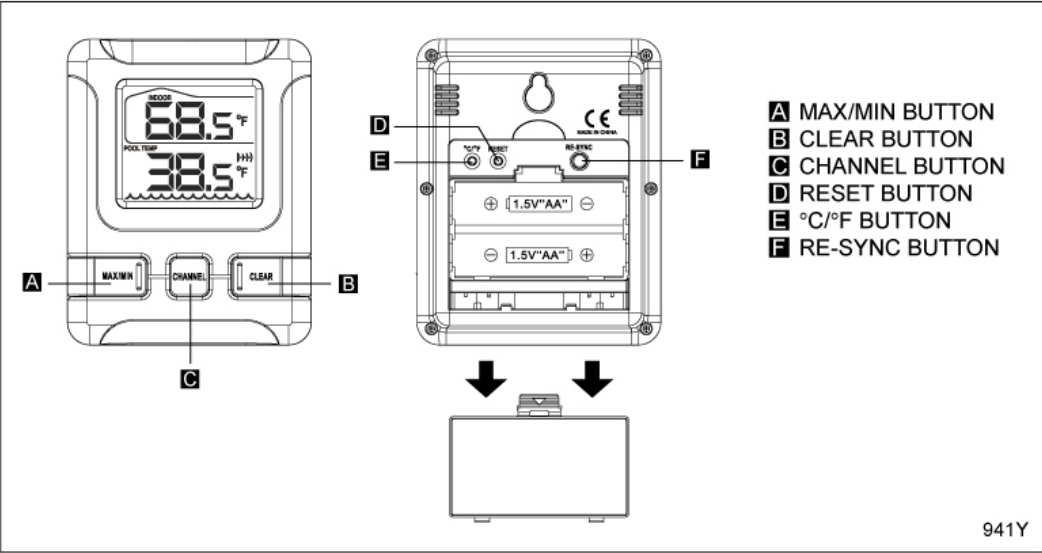
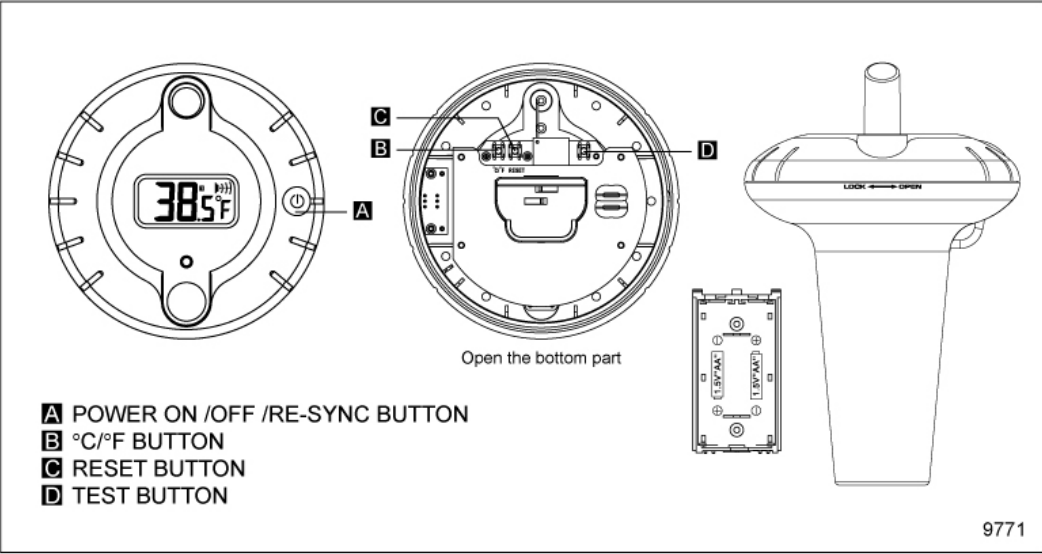


# INSTRUCTION MANUAL

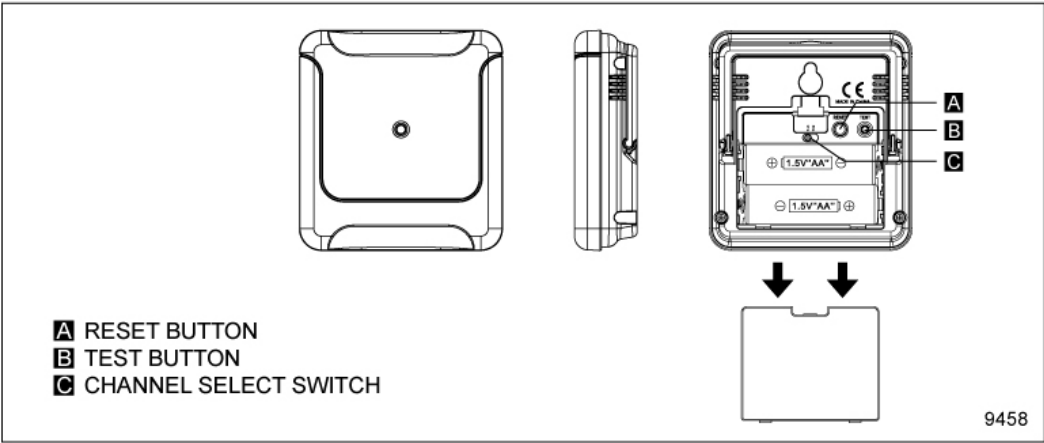
## Locations of Control Main Unit (Receiver)



## Remote Unit (Pool Transmitter)



## Remote Unit (Transmitter)



### Feature

- Indoor temperature and remote pool and air temperature.
- Centigrade or Fahrenheit readout.
- Indoor, Outdoor temperature measurement range from -58°F ~ 158°F (-50°C ~ 70°C).
- Temperature resolution 0.2°F (0.1°C).
- Main unit operation temperature from 32°F ~ 122°F (0°C ~ 50°C).
- 3 channels RF reception.

### Before You Begin

To ensure proper functioning of the Wireless thermometer, please follow this set up procedure.

- Insert batteries to the main unit ( Refer to section of Battery Installation )
- Place the main unit as close as possible next to the remote unit and insert batteries to the remote unit.
- Position the remote unit and main unit within effective transmission range, which in usual circumstances is 65 to 100 feet (20 to 30 meters).

Note that the effective range is affected by the building materials and where the main and remote unit are positioned, try various setup for the best results.

## BATTERY INSTALLATION

### Battery Installation of the Main Unit

- Open the battery door.
- Remove whole set of old batteries.
- Insert 2 fresh AA size batteries in place of the old batteries. Insert them in the proper position matching the polarity (+) and (-) as indicated.
- Close the battery door.
- Press RESET button once.

### Battery Installation of the Remote Unit (Transmitter / RF Pool Thermometer)

- Open the battery door.
- Remove whole set of old batteries.
- Insert 2 AA batteries of new batteries in polarity ( + ) and ( - ) as indicated.
- Close the battery door.
- Press RESET button once.

Warning : Do not mix old and new batteries.

Do not mix alkaline, standard ( carbon-zinc ) or rechargeable ( nickel cadmium ) batteries.

Do not touch any other button or setting on your main unit. It will automatically receive the remote temperature signal after batteries inserted.

## GETTING STARTED

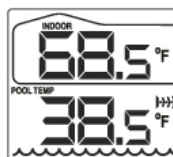
### Check Indoor Temperature

Once power up the main unit, the indoor temperature will display on the INDOOR temperature field.

### Connection of Pool Thermometer

Press POWER button once to turn on the unit. The unit will send the signal of temperature to the main unit. The main unit will search this signal after power up. If signal receive successfully, pool temperature will show on the main unit display (Display 1). To turn off, press this button once again.

(Remarks: If the pool thermometer is off, the pool temperature on the main unit display will show blank - -°F.



Display 1

### Connection of Transmitter

Upon power up of the transmitter ( or pressing the RESET button ), the temperature RF signal is immediately sent to the main unit. The main unit attempts to search the RF temperature signal for 5 minutes after power up ( or pressing the RESET button ).

If the RF signal is received within the first 5 minutes after power up of the main unit, the temperature will show on the outdoor temperature display (Display 2), otherwise it will show blank - -°F.

After the transmitter temperature is shown on the outdoor temperature display, the synchronization of main unit and transmitter is established. Place the transmitter unit outside in a shaded, dry area to protect it as if under an umbrella.

If the RF temperature signal is not received within the first 5 minutes, press the RE-SYNC button on the main unit. The main unit will attempt outdoor temperature for another 6 minutes.

### Maximum and Minimum Temperature

The maximum and minimum recorded temperature reading will automatically be stored in the memory.

Press the MAX/MIN button once to display the INDOOR maximum and minimum record. Press the button again to show the OUTDOOR maximum and minimum record. The respective indicator, INDOOR and OUTDOOR will be displayed.

To clear the memory, press CLEAR button when the maximum and minimum temperature records are shown, it will clear the record of the shown temperature field.

### Display Unit

The default unit of temperature is °F, press °C/°F button to toggle the display unit of temperature between °F and °C.

### Wireless Signal Status Indicator

The RF signal status indicator is represented by below indicator on the main unit display:

	NO SIGNAL DETECTION
	SIGNAL DETECTION
	SUCCESSFUL RECEPTION

### Pool Temperature, Channel 1 and 2 Temperature Readout

Press CHANNEL SELECT button to toggle between 3 channels. The current display temperature is the one you selected last time.

### Change Transmitter Channel

Slide the channel slide switch inside the transmitter battery compartment to another channel and press RESET button.



Display 2

Note: Once the channel of transmitter changed, the synchronization between transmitter and receiver will be broken, please refer to Adding New Channel of how to synchronize new transmitter channel.

### Temperature Scrolling Function

1. In normal display, press and hold CHANNEL SELECT button of the main unit for around 2 seconds.
2. It will scroll through the channel one, two and three reading. Each channel reading show around 5 seconds and switch to the next available channel, the scroll icon will show also.
3. Press and hold the button for 2 seconds again to deactivate the function.

### Adding New Channel

1. Press and hold the RE-SYNC button of the main unit to activate the process and look for the unrecognized channels for around 6 minutes.
2. Press and hold the RE-SYNC button again to deactivate the process.

### Remove Existing Channel

1. Press and hold the RE-SYNC button of the main unit until "R" showed.
2. Press CHANNEL SELECT button to select your desired channel.
3. Press CLEAR button to remove the channel.
4. Press the RE-SYNC button again to finish the whole process.

### Losing Synchronization of the Wireless Thermometer

If the main unit displayed a proper remote temperature in the past but now displays blank --.-°F, the remote unit and the main unit may have lost synchronization. If this occurs, press the RE-SYNC button of the main unit. The main unit will attempt outdoor temperature reception for another 6 minutes and reinitiate synchronization with the remote unit. If the remote temperature cannot be received, check:

1. The distance of the main unit or remote unit should be at least 3-4 feet away from any interfering sources such as computer monitors or TV sets.
2. Avoid placing the main unit onto or in the immediate proximity of metal window frames.
3. Using other electrical products such as headphones or speakers operating on the same signal frequency ( 433MHz ) may prevent correct signal transmission and reception.
4. Neighbors using electrical devices operating on the 433MHz signal frequency can also cause interference.
5. Press POWER ON /OFF button of RF pool thermometer once to start synchronization.

Note: When the 433MHz signal is received correctly, do not re-open the battery cover of either the remote unit or the main unit, as the batteries may spring free from the contacts and force a false reset. Should this happen accidentally then reset both units. Otherwise transmission problems may occur.

The maximum transmission range is 100 feet from the remote unit to the main unit ( in open space ). However, this depends on the surrounding environment and interference levels. The temperature signal travels in a straight line from the remote unit to the main unit. The signal will not curve around a blocking object. If no reception is possible, despite the observation of these factors, all units will have to be reset.

### Interference

Signals from other household devices, such as entry controls, door bells and home security systems, may temporarily interfere with the units and cause reception failure. This is normal and does not affect the general performance of the product. The transmission and reception of temperature reading will resume once the interference has stopped.

### Trouble Shooting / FAQ ( Frequent Ask Question )

There is no outdoor temperature shown on the unit?

A : Press the RE-SYNC button on the main unit and the outdoor temperature will show within minutes. If no temperature is shown after 6 minutes of RE-SYNC button being pressed, the remote unit is either too far away or there is some interference between the remote and main unit. Bring the remote unit to the main unit and re-synchronize. Then move the remote unit to a new location closer and in direct line with the main unit.



The transmitter temperature is reading 105°F (40.5°C) when the temperature is 60°F (15.5°C)

A : The transmitter unit is in direct sunlight. Move it to a shaded protected area.

### Care of Your Unit

- Avoid exposing your units to extreme temperatures, water (not include the pool thermometer) or severe shock.
- Avoid contact with any corrosive materials such as perfume, alcohol or cleaning agents.
- Do not subject the units to excessive force, shock, dust, temperature or humidity. Any of these conditions may shorten the life of the units.
- Do not tamper with any of the internal components of these units. This will invalidate the warranty and may cause damage.

### Correct Usage of the Batteries

- Use 2 AA batteries
- Do not mix standard and rechargeable batteries
- Do not mix new and old batteries
- When the low battery mark  appears on the display, replace all batteries with new ones, when the low battery mark  appears on the REMOTE temperature field, replace all batteries of remote unit with new ones.

## SPECIFICATION

### Temperature Measuring Range

Receiver	:	-58°F to 158°F
		-50°C to +70°C
Transmitter	:	-58°F to 158°F
(Pool and Air)		-50°C to +70°C

Receiver	:	every 16 seconds
Transmitter	:	every 16 seconds
(Pool and Air)		

### Temperature Checking Interval

Receiver	:	every 16 seconds
Transmitter	:	every 16 seconds
(Pool and Air)		

Transmission Distance: maximum 100 feet in open field, depending upon surrounding structures, mounting location and possible interfering sources.

### Power Source ( Alkaline Batteries Recommended )

Receiver	:	2 "AA" batteries, 1.5V batteries.
Transmitter (Pool and Air)	:	2 "AA" batteries, 1.5V batteries.
Battery life	:	about 12 months.

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 modifications 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 has 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 generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, 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 the interference by one or more of the following measures:

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

### Disposal of Your Old Product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.



Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

### Disposal of Flat Batteries / Accumulators!

You, as the end user, are legally obliged (**Battery Ordinance**) to return all flat batteries and rechargeable batteries. **Disposal in the household waste is prohibited.** "European Directive 2006/66/EC" Batteries, including rechargeable batteries, which contain hazardous substances are marked by symbols which indicate the prohibition of disposal in the household waste. The designations for the heavy metals concerned are as follows: **Cd** = cadmium, **Hg** = mercury, **Pd** = lead. You can return flat batteries/rechargeable batteries free of charge to the collection points in your community or anywhere else where batteries/rechargeable batteries are sold.



**You thus fulfil your statutory obligations and help protect the environment.**



### Caution

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type, please refer to the engraved battery marks inside the battery compartment for the correct battery polarity (+) and (-).