

Radiance instruments Ltd.

Flat 2002, 20/F, CEO Tower, 77 Wing Hong Street Lai Chi Kok, Kowloon, Hong Kong, China.

Phone: +852 2466-8608 Fax: +852 2466-1231 E-mail:wubz@liheng.net

PRODUCT USER MANUAL

Product number: STD-RT806MAEB-RF Product name: Wireless thermometer version: V1.1

WIRELESS MIN-MAX ALARM THERMOMETER

FEATURES

- 3 channels temperature measurement.
- Triple display for current, minimum and maximum temperature
- Programmable low and high alarm limit
- Indoor/Outdoor temperature display
- Wireless temperature display.
- °C / °F exchange
- Low battery indication
- Foldaway stand
- Mounting keyhole
- FCC, CE, IC and RoHS compliant.


SPECIFICATION

Measuring range	0~50°C / 32~122°F (indoor sensor), -50~70°C / -58~158 °F (outdoor bottle sensor) -40~50°C / -40~122°F (wireless bottle probe)
Display accuracy	±0.5°C / ±0.9°F in -20 ~ 50°C / -4~122°F, ±1°C / ±1.8°F rest range
Display resolution	0.1°
Display reading update	10 seconds, 30 seconds in wireless mode
Wireless distance	50m (open field), 10m (inside the fridge)
Battery	1.5 volt, type AAA x2 pieces
Display size	(W)79 X (H) 66mm
Receiver battery life	About 15000 hours in normal working mode About 4000 hours in wireless mode
Transmitter battery life	About 6000 hours
Accessories	1) Outdoor bottle sensor with 1 meter long wire x1 piece 2) Alkaline battery 1.5 volt x 4 pieces 3) Wireless bottle probe(transmitter) x 1 piece


INSTALLATION

1. Plug outdoor sensor into unit.
2. Install battery with correct polarity positioning.
3. Place unit at the place away from direct sunlight, rain or extreme heat.
4. Put the transmitter into the fridge.

OPERATION

1. Turn on the receiver.
2. Press [] on the transmitter to turn on. Blue LED light would flash 5 times. Press and hold for 3 seconds to turn off the transmitter and blue LED light would flash 2 times.


LOW AND HIGH ALARM LIMIT SETTING

1. Press [Mode] to enable alarm setting.
 2. Press [LO↑] to set low alarm limit*.
 3. Press [HI ↑] to set high alarm limit*.
 4. Press [MODE] to return to normal display.
 5. When the current reading is lower or higher than the alarm limit the alarm will sound.
 6. To stop the alarm sound press any button once. The LO or HI icon will still be flashing until the current reading is within the alarm limit.
 7. Press [] to disable or enable the alarm function.
- * Holding down the button will increase the value automatically.

RESET MINIMUM (MIN) and MAXIMUM (MAX) READING MEMORY


1. In MIN-MAX display mode, press [Min-Reset] to reset minimum reading memory to current reading.
2. Press [Max-Reset] to reset maximum reading memory to current reading.
3. Reset the memory once before taking new minimum or maximum reading.

INDOOR / OUTDOOR / WIRELESS TEMPERATURE DISPLAY

Press [AMB/EXT/WIRELESS] to select indoor(AMB), outdoor(EXT) or wireless() temperature display.

* When power up, display indoor temperature.



CODE REMATCH

1. The transmitter has already been synchronized with the receiver at ex-factory setting. If rematch is needed, turn off the receiver, press and hold [Mode] and turn on the receiver, after 5 seconds. Rematch mode would start and "Syn" icon will appear in the display.
2. Turn off the transmitter. Then press and hold [] for 5 seconds to start rematch.
3. The units would restore the new code automatically and return to normal mode.

NOTE

1. If the thermometer is not in use for a long period of time then remove the battery from battery compartment to avoid battery leakage.
2. Do not operate the thermometer in the environmental temperature lower than 0°C/32°F or higher than 50°C/122°F otherwise incorrect readings or damage to the thermometer may result

ERROR SYMBOLS

Symbol	Description	Action required
	Transmitter low battery voltage	Replace the battery with the same type
	Receiver low battery voltage	Replace the battery with the same type
LL.L	1) Sensor open circuit	1) Return the thermometer for repair

	2) The reading is out of lower limit (-50°C/-58°F)	2) Keep the measurement above lower limit
HH.H	1) Sensor short circuit 2) The reading is out of upper limit (70°C/158°F)	1) Return the thermometer for repair 2) Keep the measurement below upper limit
con	Receiver is searching the signal from the transmitter	1) Turn on the transmitter 2) No action required (searching when start up)
Syn	Code rematch	No action required
FAI	Connection fails	Make sure within a valid distance range

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.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This device complies with Industry Canada Licence-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicable aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or Modifications not expressly approved by the party responsible could void the user's authority to operate this device.

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 receiver.*
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- Consult the dealer or an experienced radio/TV technician for help.*

TRANSMITTER FCC ID: 2A167-806R / IC: 22116-806R

MARK WU

2019/7/24