Before Using this Product

• The RTR-601 Series Units function as Remote Units. They require Base Units to carry out wireless communication. Before getting ready and setting up the Remote Unit, make sure to first get ready and setup the Base Unit(s).

• To use RTR-601 Series Units, it is necessary to make operation settings via the software “RTR-500NW for Windows“ or “RTR-500AW Introductory Manual for Use with RTR-601 Series”.

Before setting up your RTR-601 Series Units, please download the software and manual from the T&D Website. [HOME > Support > Downloads > Software & Manuals]

(1) Software for aid in making Operational Settings: “RTR-500NW for Windows”


Download the software and manual from the T&D Website.

[HOME > Support > Downloads > Software or Manuals]

Please read the instruction manual before using this unit.

Part Names and Functions

1. LED (On/Off) By pressing the «REC» button, the lamp will turn on when a temperature measurement is recorded.

2. Judgement LED (Red / Green) The judgement result of temperature measurement will be shown.

3. «REC» Button When this button is pressed, the Temperature, Date / Time, User Name, Item, and Judgement Result at the time of pressing are recorded into the RTR-601.

4. Judgement Result Screen

5. <MENU> By pressing this button, the menu will be displayed. Also, return to the previous screen.

6. <ENT> Press to enter the settings menu or confirm a setting.

7. Power Button Press to turn the power ON or OFF. The automatic power-off function automatically turns off the power after about five minutes of inactivity.

8. Communication Area The RTR-601 Series is referred to as simply the “RTR-601”, “unit” or “Remote Unit” in this document.

Specifications

- Temperature Range: -50°C to +150°C
- Accuracy: ±0.5°C [-10°C to 150°C]
- Measurement Time: Approx. 1 sec
- Measurement Range: -50°C to +150°C
- Communication Area: Do not shield the communication area with a tape as it may cause communication errors.

RTR-601 Series Users Manual

Wireless Food Core Temperature Data Logger

RTR-601 Series

Thank you for purchasing our product. Carefully read this instruction manual before using this unit.

Please note that a Battery Charge Dock (RTR-68D) needs to be purchased separately. To use RTR-500 Series as a Base Unit, please contact your local distributor for the communications protocol specifications to write your own software.

The specifications listed above are subject to change without notice.

Safety Precautions and Instructions

To ensure safety obey all of the following warnings.

- Do not disassemble, repair or modify the unit and/or accessories.
- Do not forcibly insert the sensor into hard objects such as frozen food. It may cause to sensor breakage, leading to unexpected accidents and injury.
- Do not cut or process the sensor cables. Also, do not twist, pull or swing any of the cables.
- We are not responsible for any damage, malfunction or trouble, whether direct or indirect, caused by the use of our product.
- To prevent damage to the unit from static electricity, remove static electricity from your body before touching the unit.
- To ensure safety, when carrying the unit always store it in its protective case.
- Do not touch the sensor immediately after use. It may cause injury or burns.

Important Notices and Disclaimers

In order to properly use this product, please carefully read this document before using.

- All rights of the attached documents belong to T&D Corporation. It is prohibited to use, duplicate and/or arrange a part or whole of the attached documents without the permission of T&D Corporation.
- All registered trademarks, company names, product names and logos mentioned herein are the property of T&D Corporation or of their respective owners.
- Specifications, design and other contents outlined in this document are subject to change without notice.
- Please follow the safety precautions outlined in this document carefully.
- We cannot guarantee nor are we responsible for safety if this product is used in any manner other than its intended use.
- On-screen message in this document may vary slightly from the actual messages.
- Please notify the shop where you purchased this product or T&D Corporation of any mistakes, errors or unclear misunderstandings in this document.
- T&D Corporation accepts no responsibility for any damage or loss of income caused by the use of our product.
- Please read the warranty and provisions for free repair carefully.

Information Regarding Product Disposal

- This product contains recyclable Ni-MH batteries.

- If you wish to dispose of the unit, please contact your local distributor.

- Do not cut or process the sensor cables. Also, do not twist, pull or swing any of the cables.
- Do not drop or hit this unit.
- Do not force to insert hard objects into the unit.
- Do not put the unit near water or moisture.
- Do not disassemble, repair or modify the unit and/or accessories.
- Do not forcibly insert the sensor into hard objects such as frozen food. It may cause to sensor breakage, leading to unexpected accidents and injury.
- Do not cut or process the sensor cables. Also, do not twist, pull or swing any of the cables.
- We are not responsible for any damage, malfunction or trouble, whether direct or indirect, caused by the use of our product.
- To prevent damage to the unit from static electricity, remove static electricity from your body before touching the unit.
- To ensure safety, when carrying the unit always store it in its protective case.
- Do not touch the sensor immediately after use. It may cause injury or burns.

Parts Material:
Stainless Steel (SUS316)
Handgrip Materials:
Flame-resistant FEP/PA (Temperature Durability: About 130°C)
Cable Material:
Fluoropolymer Coated Electrical Wire Cable Length: 500 mm

Carefully read this instruction manual before using this unit.
How to Read the LCD Display

Top Screen
By turning the power to ON, the Top Screen, such as below, will appear.

1. Current Date/Time and User Name
A maximum of 8 characters can be displayed for a user name.

2. Current Temperature (°F/°C)
3. Work Group Name
A maximum of 8 characters can be displayed as a work group name.

The item being measured and a count number to show how many times this item has been measured are shown here. A maximum of 12 characters can be displayed for a measured item. The count number will be reset to zero every time a Work Group Table is sent via software.

The above screen shows the temperature of a cutlet that has been measured two times.

5. Icons (Battery Level / Communication Antenna / Button Lock)
This icon shows the remaining amount of battery power. When the battery is too low to measure temperature, the "Please charge batteries" message will appear.

This icon appears during wireless communication with the Base Unit.

This icon appears while "Button Lock" is set to ON in the software.

6. Button operation will be OFF for all buttons except for the <REC> and Power buttons.

Recording Mode (Endless)

Main Menu Screen
By pressing the <MENU> button, the Main Menu will appear as shown below.

1. Menu Title
2. Cursor
Use ▲▼ to move the arrow cursor up and down.

▲▼ Use ▲▼ to scroll the screen up and down.

3. Currently Selected Item (Highlighted)

Details about the LED Light (when REC is pressed)

Orange LED: ON (Normally)
Normally the orange LED turns on, and the recorded temperature is displayed.

After about three seconds, the orange LED turns off and the display automatically returns to the top screen.

Orange LED: Blinking ("Wait for Temp")
When the "Wait for Constant Temp Settings" has been set to ON in the software and temperature is not stable, the orange LED blinks meaning a recording is pending.

Do not remove the sensor from an object being measured while "Wait for Temp" is on display and the orange LED is blinking.

* If the temperature is not stabilized even after 15 seconds have elapsed, recording will not be performed and you will be returned to the top screen.

Menu Contents

- [Check Data] > [Data List] > [Check Data]
  - By selecting the [Check Data] menu, all recorded data in the Remote Unit is displayed in a list in descending order from newest to oldest data.
  - Select data by moving the cursor and press the <ENT> button to view detailed information.

  - The left screen shows the first data reading highlighted by the cursor.
  - Details of the selected data (date and time of recorded data, measured item, user name, and judgement result) will be displayed.

  - < judgement OK >
  - < judgement OK >
  - < judgement OK >
  - < judgement OK >

- [Select User] / [Select Item]
Select from the list of Users and Items setup in the supplied software.

- [Select User] / [Select Item]
If you have registered Work Groups, it is also possible to select from the [Select Work] menu.

- [Judgement LED]
By setting to "LED ON," the Judgement LED will blink when a measurement exceeds the set upper or lower limit.
- Upper and lower limits can be set using the supplied software.

- [Button Sound]
Turn ON or OFF the beep which sounds when a button is pressed.

- [Backlight]
The "ON in Use" option will backlight the display for three seconds only during operation.

- [Contrast]
Use ▲▼ to adjust the contrast of the display.

- [Unit of Temp]
Select Celsius [°C] or Fahrenheit [°F].

- [Remote Info]
GROUP ID:
Name:
Note:
EW ver.

[Remote Info]
The Group ID and Remote Unit Name can be viewed here for the unit being used.

- The Group ID is automatically assigned upon registering a Remote Unit.

Message Display

Settings Change Message
If any settings have been made via wireless communication to the unit in use, a notification message will be displayed for about two seconds. After that, you will be automatically returned to the top screen.

This message will be displayed regardless of what settings have been made in the unit.

Even when the power is off, the unit will automatically turn on to display the message.

Sensor Error Message
Please contact your local distributor if you see this message.