Illuminance UV Recorder WL RTR-574 / RTR-574-S

Introduction

Thank you for purchasing our product.

Please read this instruction manual before using this Unit.

Please refer to the following page for the appearance diagram and part names.

Reading the LCD Display

- **Screen Mark**: The recording status is shown here.
- **OK Key**: Warming up for programmed start.
- **OFF**: Recording is stopped.
- **Index Key**: The Unit is in Wireless/USB communication.
- **REC/STOP**: The Unit is connecting to the USB cable.
- **USB Communication**: Cable Jack
- **Battery Cover**:

Cautions about using the Temperature-Humidity Sensors

- **Cautions about using the Illuminance UV Sensors**

Wireless Regulations

CE Statement

The RTR-574 Series products are in compliance with the Radio Equipment Directive 2014/53/EU. The following standards have been applied:

- **Safety and Health**: EN 60950-1
- **EMC**: EN 301 489-1
- **EN 301 489-3
- **EN 301 280-2 (receiver category 2)

The full text of the EU declaration of conformity is available at the following internet address:


Important Notice

Wireless products cannot be used in countries other than where these products have been approved for use, according to each country’s wireless regulations.

T&D Corporation shall in no manner whatsoever take responsibility for the usage of these products, as the laws and regulations or the consequences stemming from the usage of these wireless products in unapproved areas.

Safety Precautions and Instructions

- Please carefully observe the following safety measures when using our product.

To prevent any loss or damage to our customers, other people and/or property, and to ensure the proper use of our products we ask that you use our product carefully, read, understand and follow the safety rules and precautions for our products as outlinedbelow.

**Explanation of Warning Symbols**

- **DANGER**: This may cause damage including malfunction.
- **CAUTION**: This may cause injury, malfunction, damage or loss of proper electrical contact.

- **DANGER**

- Do not leave the product, or any accessories, in a high temperature or high humidity environment.

- **CAUTION**

- Do not cut or process the sensor cables.

**Explanation of Picture Symbols**

- **T&D Corporation**: http://www.tandd.com/

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RTR-574 Package Contents

- **Recorder WL**: RTR-574
- **Temperature Humidity Sensor**: RA-1511
- **Battery**: 60W 2K
- **Cable**: (US-15C)
- **USB Communication**: Cable [DIGITAL, USB 2.0]
- **Introduction Manual**: 2018.03

T&D Corporation

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Facebook: &lt;https://www.facebook.com/T&D.support/?locale=ja_JP

RTR-574-S Package Contents

- **Recorder WL**: RTR-574
- **Illuminance UV Sensor**: RA-3151
- **Battery**: 60W 2K
- **Cable**: (US-15C)
- **USB Communication**: Cable [DIGITAL, USB 2.0]
- **Introduction Manual**: 2018.03

Illuminance UV Recorder WL RTR-574 is a Data Logger, with built-in wireless communication capability, designed to measure and record Illuminance, UV Intensity, Temperature and Humidity at a set interval.

Recorded data can be downloaded from an RTR-574 Data Logger (Remote Unit) via wireless communication with a Base Unit; that data can then be viewed in your computer.

Before using RTR-574, it is first necessary to install the USB Device Driver from the software that comes with the Base Unit.

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RTR-574 Package Contents

- **Recorder WL**: RTR-574
- **Temperature Humidity Sensor**: RA-1511
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- **Cable**: (US-15C)
- **USB Communication**: Cable [DIGITAL, USB 2.0]
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- **Battery**: 60W 2K
- **Cable**: (US-15C)
- **USB Communication**: Cable [DIGITAL, USB 2.0]
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Getting the RTR-574 (Remote Unit) Ready to Use

1. Install the Battery.
   Remove the battery cover and insert the battery, making sure that the + and - are in the correct direction.
   Be sure to completely close the cover.

2. Connect the included Sensors.
   The Sensor Jacks are common for both sensors. The temperature + humidity sensor and the illuminance UV sensor can be connected to either jack.

3. Turn ON the Power.
   Press the ON button until the LCD display appears.

4. Register the Remote Unit by using the software supplied with the Base Unit.

When the direction appears in the software window, connect the Unit to the computer. For details about settings and functions of the software, please see the [Help] Menu in that software.

Battery Replacement Mark and Message

If upon USB connection, the [New Hardware Detection Wizard] opens, it is necessary to disconnect wires to install the USB Device Driver.

If the battery is not changed, but remains in use, [SLP] will appear in the LCD display. Recording will stop in order to protect recorded data until this point.

If the battery is further changed, the display will automatically shut off. All of the recorded data up until that point will be erased.

Other Messages

FULL (Storage Capacity FULL)
When Recording Mode has been set to "ONETIME" and the Unit reaches its storage capacity of 8,000 readings, recording will automatically stop and in the LCD the current measurement and the word "FULL" will alternately appear.

Sensor Unconnected
This will be displayed when a sensor has not been connected or the wire has been broken.
- Measurement and recording will continue so battery power will be consumed.
- If after re-connecting the sensor and measurements can still not be displayed, it is very possible that the sensor or the Unit are defective or have been damaged.

Button Operation

1. If no operations can be performed using buttons on the Unit, it means the buttons have been de-activated via the software supplied with the Base Unit.

POWER Button
Use this button to turn ON/OFF the Power.
ON: Press the POWER button. LCD displays "OFF"
OFF: Press the POWER button until the LCD displays "OFF"

DISPLAY Button
Use this button to change the LCD Display Pattern.
There are two LCD display patterns for readings: An Alternate Display and a Fixed Display.
- For details see the Introductory Manual that came with your Base Unit.

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Use this button to change the LCD Display Pattern.
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Display Button
Use this button to check and change Recording Interval Setting.
The factory default setting for the recording interval is 10 minutes.

Recording Interval
When Recording Mode has been set to "ONETIME" and the Unit reaches its storage capacity of 8,000 readings, recording will automatically stop and in the LCD the current measurement and the word "FULL" will alternately appear.

Sensor Unconnected
This will be displayed when a sensor has not been connected or the wire has been broken.
- Measurement and recording will continue so battery power will be consumed.
- If after re-connecting the sensor and measurements can still not be displayed, it is very possible that the sensor or the Unit are defective or have been damaged.