

# Temperature Logger

## RTD Needle Probe, RTD Glycol Probe

### lumina™ rf



#### APPLICATION

The Lumina™ RF Temperature Logger (LURTL-000), when connected to a Lumina™ Gateway (Cat. No. LU741-000) for control, independently measures and logs temperature using up to two connected external Resistance Temperature Detector (RTD) sensors (Cat. Nos. RTDSS-000 or RTDGP-000).

The Lumina RF Temperature Logger provides temperature monitoring and logging, as well as temperature threshold/alarm reporting and remote monitoring via a Lumina™ Gateway and Leviton Cloud Services.

The Lumina RF Temperature Logger can be used to measure and log refrigeration unit or freezer temperatures, as well as air temperature for applications such as dry storage or remote areas where temperature monitoring is a key requirement.

#### BENEFITS

Ideal for food-service, the Temperature Logger pushes data readings to the cloud and also stores data in its onboard memory with an

internal battery to continue monitoring and logging in the event of a power outage for a minimum of 72 hours. RTD temperature sensors connect via easy to use internal terminal block connectors with cable glands that provide an environmentally sealed cable passage through the enclosure. The water resistant and dust proof enclosure also includes mounting brackets for a quick installation. Temperature thresholds can be set to provide alarm notifications by app, email, or SMS via LCS.leviton.com.

#### FEATURES

- Monitors temperature range between -50° C and 100° C (-58° F and 212° F).
- Measures and logs temperature using up to two independent external temperature RTD sensor probes
- Onboard memory to store 72+ hours of temperature data
- Temperature thresholds can be set to provide alarm notifications via app, e-mail, or SMS
- Internal Lithium AA batteries to continue monitoring in the event of a power outage
- Water resistant and dust proof enclosure with attached mounting brackets

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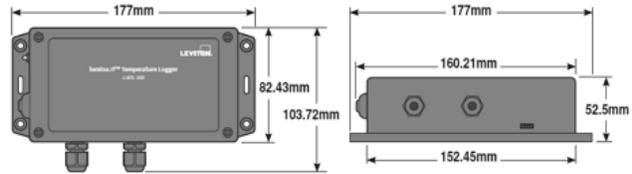
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**Temperature Logger, RTD Needle Probe, RTD Glycol Probe**

- Secondary input can be configured to accept a hardwired door contact for applications requiring additional monitoring of Refrigeration/Freezer door state
- Battery level reporting
- Micro USB input for connected power: 5VDC
- Up to four Lumina™ RF Temperature Loggers can be used per Lumina™ Gateway controller.



**TEMPERATURE SENSORS**

- The Lumina™ RF Temperature Logger comes with a 2.5" stainless steel needle probe RTD temperature sensor (Cat. No. RTDSS-000). The RTDSS is ideal for accurately measuring air temperature, including refrigerated spaces.
- A temperature probe encased in a glycol solution (Cat. No. RTDGP-000) can also be used for food-service applications.
- Both the RTDSS-000 and the RTDGP-000 measure temperature between: -50° C to 100° C (-58° F to 212° F)
- The Lumina™ RF Temperature Logger will support RTD temperature sensors that meet the following specifications:
  - 1K Ohm (@0° C) RTD, minimal range of -50° C to 100° C (-58° F to 212° F)
  - 0.00385 Curve

<b>WEIGHTS</b>	Lumina™ RF Temperature Logger: 0.55 lbs. RTDSS Temperature Probe: 0.10 lbs. Power Supply and Micro-USB Cable: 0.30 lbs.
<b>ENCLOSURE</b>	The Temperature Logger enclosure includes an attached mounting bracket. It is ideally suited for Food/beverage commercial environments. The enclosure provides protection from limited dust ingress as well as water spray from any direction.
<b>OPERATING TEMPERATURE</b>	0° C to 40° C (32° F to 104° F)
<b>INTERNAL BATTERIES</b>	2 Lithium AA
<b>BATTERY LIFE</b>	3 Years (if device is only running on battery power)
<b>AGENCY STANDARDS AND COMPLIANCE</b>	CE, RCM, FCC Part 15; FCC ID: W7Z0ZICM357SP0, IC: 8254A-ZICM357SP0. EN 61326-1 standard (Electrical Equipment for Measurement, Control, and Laboratory Use)

**ORDERING INFORMATION**

DESCRIPTION	CAT. NO.
<b>Lumina RF Temperature Logger.</b> Wirelessly monitors and logs temperature readings. Requires LU741-000 for control. Includes one RTDSS temperature probe and power supply.	LURTL-000
<b>Stainless Steel Standard RTD Needle Probe.</b> 1K Ohm (@ 0°C) RTD. Reads Temperature between -50°C to 150°C. For use with the LURTL - Lumina RF Temperature Logger.	RTDSS-000
<b>Glycol Encased RTD Probe.</b> 1K Ohm (@ 0°C) RTD. Reads Temperature between -50°C to 150°C. For use with the LURTL - Lumina RF Temperature Logger.	RTDGP-000

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