LOGGERFLEX
SMART DEVICES LTD

Why LoggerFlex?

No Extra Equipment Needed
Connect sensors straight to WiFi or cellular. Setup is simple and requires no technical support.

Real-Time Climate Alerts
Get instant phone calls, texts, and emails for temperature spikes or humidity changes to protect your collections.

One Simple Platform.
Manage every exhibit, storage room, and alarm from a single reliable app.

Clear Analytics
Spot climate trends and cooling issues early to keep your artifacts safe.

Easy Team Sharing
Securely share climate reports and alerts with your curators and facility managers.

Access Anywhere
Monitor your galleries, archives, and display cases from any device worldwide.

Grows With Your Museum
Expand from one display case sensor to thousands across multiple buildings without changing your setup.

Reliable Protection
Prevent damage to valuable items by catching climate control issues early with simple and reliable sensors.

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Made in Canada

Museum, Archive & Asset Preservation

IoT for Preservation

Protect What Cannot Be Replaced.

EDGE Thermo

Part # WiFi: EDWITR Cellular: EDCLTR

- Temperature Probe 1
- Temperature Probe 2
- Ambient Temperature
- Relative Humidity (RH)
- Mold Index
- Flood Detector (optional)
- Power Disruption
- Location (cellular model)

Power Supply
4 x AA Batteries
USB-C Port

Operational Temperature
-20 to +60°C (-4 to 140°F)

Probe Temperature range
-55 to +125°C (-67 to 257°F)

Accuracy
±0.5°C (0.9°F)

Connectivity Variations Cellular + WiFi | WiFi

Temperature Excursion Alert

Detect out of range temperatures instantly to protect film archives, color photographs, and biological specimens.

Cold Storage Preservation

Continuously monitor cold vaults to protect sensitive historical materials from rapid decay.

Transport and Handling Safety

Ensure safe temperatures are maintained when moving items in and out of cold storage.

Refrigeration Performance Check

Verify museum freezers and fridges hold stable temperatures under real operating conditions.

Door Event Impact Detection

Catch temperature shifts in cold vaults caused by frequent door openings or defrost cycles.

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Flood Detector Function

Some LoggerFlex devices feature a dedicated port for connecting a flood detection sensor. When paired with our full-length-sensitive flood sensor cable, extendable up to 100 meters (330 feet),these systems offer broad and reliable coverage. In the event of water detection, the device can trigger both visible and audible alarms while simultaneously sending instant alerts via phone call, text, and email to an unlimited number of recipients.To ensure accuracy and minimize false alerts, advanced algorithms intelligently filter out non-critical events, such as those caused by routine cleaning or mopping. This ensures dependable performance in sensitive environments.

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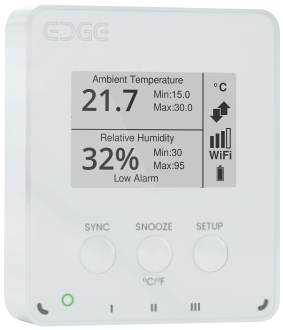
EDGE ESSENTIAL

Part # WiFi: EDWIAR Cellular: EDCLAR

- Ambient Temperature
- Relative Humidity (RH)
- Mold Index
- Flood Detector (optional)
- Power Disruption
- Location (cellular model)



Power Supply
4 x AA Batteries
USB-C Port
Operational Temperature
-20 to +60°C (-4 to 140°F)

Connectivity Variations: Cellular + WiFi | WiFi

Exhibit Climate Control

Use continuous temperature and humidity tracking to protect artifacts, paintings, and historical sculptures on active public display.

Archive Environment Monitoring

Monitor temperature and humidity to protect stored historical items from degradation, warping, and material loss.

Mold Risk Alert

Use a unique algorithm to constantly monitor the mold index in display cases and storage areas. Receive instant alerts if the trend points toward mold growth long before it becomes visible.

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EDGE AIR

Part # WiFi: EDWIAR Cellular: EDCLAR

- Carbon dioxide
- Air Pollution (0 to 100%)
- Ambient Temperature
- Relative Humidity (RH)
- Mold Index
- Flood Detector (optional)
- Power Disruption
- Location (cellular model)

Power Supply
4 x AA Batteries
USB-C Port
Operational Temperature
-10 to +60°C (14 to 140°F)
Carbon dioxide (CO_2) range
430 to 5000 ppm
Accuracy
±(40 ppm + 5% of reading)

Connectivity Variations: Cellular + WiFi | WiFi

Ventilation Failure Alert

Detect stale air buildup instantly to ensure visitor comfort and proper gallery airflow.

Visitor Experience Monitoring

Monitor CO_2 levels to keep gallery air fresh and prevent fatigue in crowded exhibits.

Occupancy Traffic Tracking

Use CO_2 levels to track human presence and prevent overcrowding around sensitive artifacts.

Ventilation Capacity Check

Verify air exchange efficiency using real CO_2 load data from busy museum wings.

Workplace Health Compliance

Track continuous CO2 exposure to meet safety regulations and protect museum staff and daily visitors.

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BLOCK Light

Part # BLTLIT RETIRING · NO REPLACEMENT YET

- Light intensity
- Ambient Temperature
- Relative Humidity (RH)
  Recording only - No Alarms
- Dry Contact (optional)
- Flood Detector (optional)

Power Supply
4 x AA Batteries
USB-C Port

Operational Temperature
-25 to +60°C (-13 to 140°F)

Connectivity WiFi

Artifact Exposure Control

Measure light intensity to ensure sensitive items receive safe illumination levels to prevent fading and degradation.

Lighting System Validation

Verify gallery lighting and automated window shade performance using real light data to protect collections.

Light Uniformity Monitoring

Identify light distribution differences across exhibit zones to ensure safe and consistent illumination for all displays.

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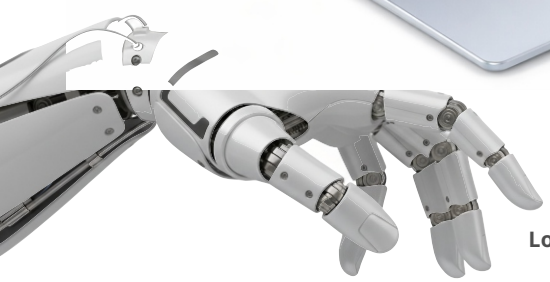
Real-time Alarm Methods

For all LoggerFlex Products

Phone Call · Text · Email · Audible · Visible

Your Entire Operation.
In Your Pocket.
Anywhere.



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