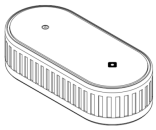

rhombus E15 Environmental Sensor Instruction Manual

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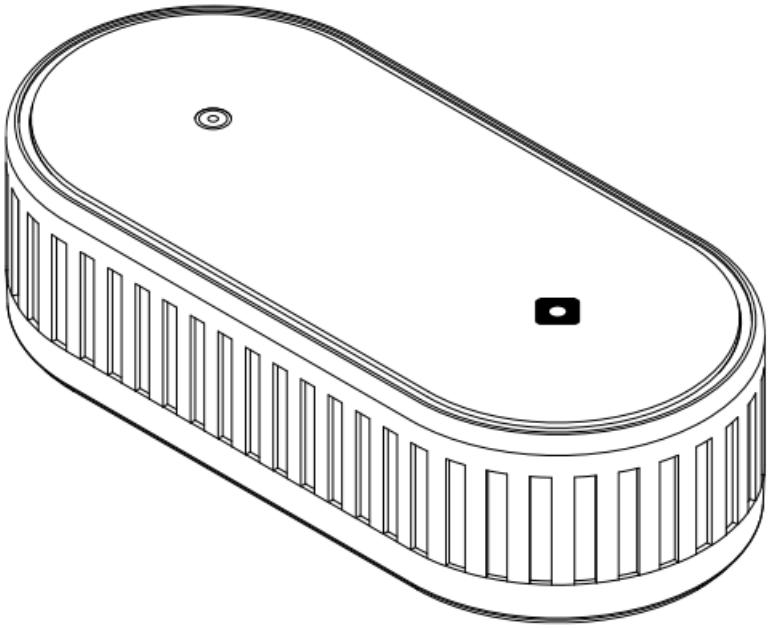
rhombus E15 Environmental Sensor



Product Information

The Rhombus E15 is an environmental sensor that proactively detects changes in temperature and humidity. It features a long-lasting battery and broadcasts to nearby BLE-enabled Rhombus devices. The E15 is designed to monitor fluctuations in temperature
and humidity in climate-controlled areas, ensuring the protection of valuable assets.

Specifications

- Dimensions: Not specified
- Power: 1.5V AAA Lithium batteries
- Temperature Measurement: Yes
- Humidity Measurement: Yes
- Estimated Battery Life: Not specified
- Weather Resistance: Not specified

LED Indicators

- Pulsing Green LED off: E15 waiting to be registered
- Pulsing Red LED: E15 registered and operating normally
- Solid Red LED: Hard Reset required (remove and re-install battery) or Hardware Error (Contact Support)

Product Usage Instructions

Installing the Battery

1. Remove the battery cover located on the back of the E15.
2. Insert the included 1.5V AAA Lithium batteries into the device and close the battery cover.

Mounting the E15

Fix the E15 to the desired surface using the mounting adhesives provided. It is recommended that the E15 is installed in direct line of sight with a BLE-enabled Rhombus camera to reduce connectivity issues.

WARNING: Improper installation may result in inaccurate or faulty sensor responses.

Installation Best Practices

To reduce the likelihood of E15 sensing errors or connectivity issues, follow these points:

- Ensure proper positioning of the E15 near relevant equipment such as HVAC vents or refrigerators.

Registration

The E15 needs to be awakened from sleep mode to be registered into the Rhombus console. Follow these steps:

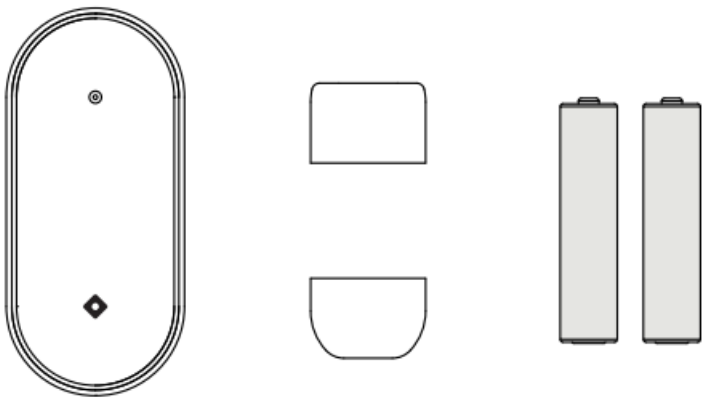
1. The E15 LED will pulse green when waiting to be registered and will stay awake for two (2) minutes before going back into sleep mode.
2. Follow the instructions on the registration page to completeproduct registration.
3. For additional information on registering the E15 into the Rhombus console, please visit: www.rhombus.com/setup/e15

Note: Compliance information and guidelines for the E15 can be found in the user manual. Ensure proper compliance and follow any safety instructions provided.

OVERVIEW

The Rhombus E15 proactively detects changes in temperature and humidity. With its long-lasting battery, the E15 broadcasts to all nearby BLE-enabled Rhombus devices and can monitor fluctuations in temperature and humidity in climate-controlled areas to protect valuable assets.

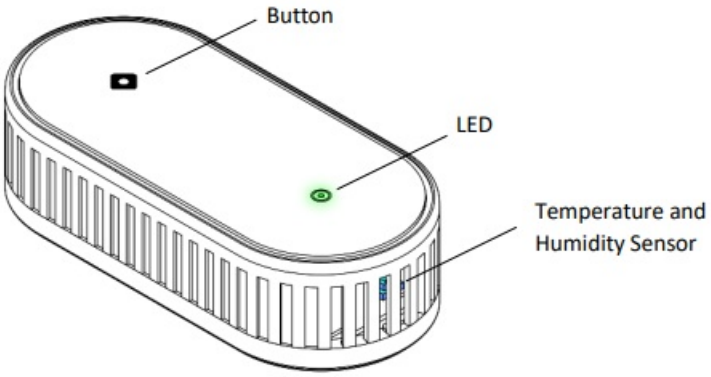
PACKAGE CONTENTS



E15 Environmental Sensor | E15 Mounting Adhesive | 2x 1.5VAAA Battery (Lithium)

Specifications

Specifications	
Dimensions	70×32.2×18.2mm (2.75×1.26×0.72in)
Power	2x 1.5V AAA Lithium, replaceable (2x Lithium Batteries Included)
Temperature Measurement	±0.3°C (0°C to 60 °C), ±0.5°C (-20°C to 0°C)
Humidity Measurement	±4.5% (0% – 10% RH), ±3% (10% – 90% RH), ±3.8% (90% – 95% RH)
Estimated Battery Life	5 years with typical medium-heavy use
Weather Resistance	IPX4

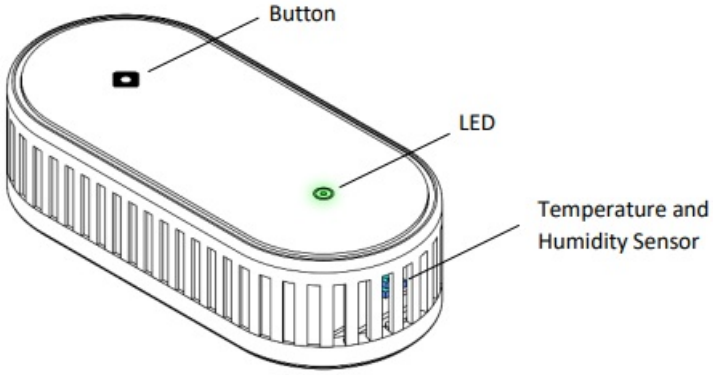


LED Indicators	
Pulsing Green	E15 waiting to be registered
LED *off*	E15 registered and operating normally
Pulsing Red	Hard Reset required (remove and re-install battery)
Solid Red	Hardware Error (Contact Support)

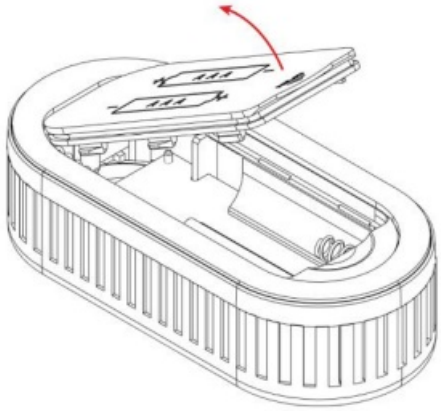
INSTALLATION

Installing the Battery

- Remove the battery cover located on the back of the E15.

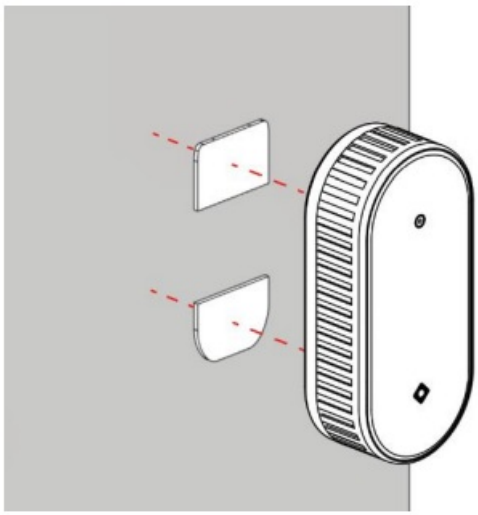


- Insert the included 1.5V AAA Lithium batteries into the device and close the battery cover.



Mounting the E15

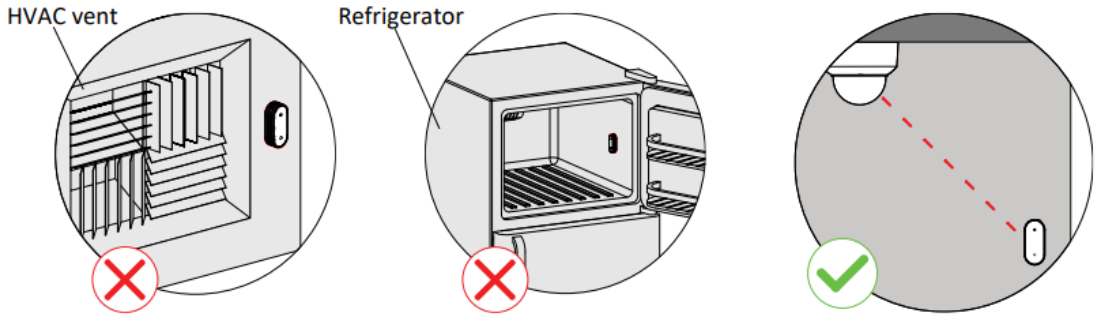
Fix the E15 to the desired surface using the mounting adhesives provided.
It is recommended that the E15 is installed in direct line of sight with a BLEenabled Rhombus camera to reduce connectivity issues.



WARNING: Improper installation may result in inaccurate or faulty sensor responses.

Installation Best Practices
To reduce the likelihood of E15 sensing errors or connectivity issues, the following points must be followed:

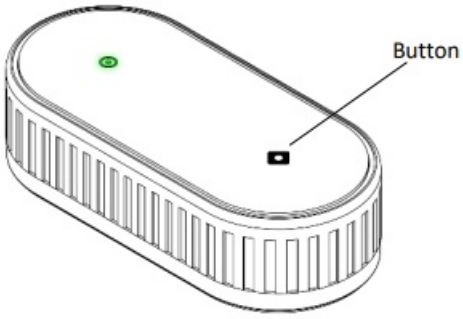
- Have a BLE-enabled Rhombus device in direct line of sight with the E15 to increase signal strength.
- Avoid RF-blocking obstacles: This includes mounting the E15 inside a freezer, fridge, behind a metal door, etc.
- Avoid mounting the E15 near a source of heat (e.g., on the output vent of an AC/HVAC system, near exhaust vent, etc.).
- Ensure sensor intake panel is not covered or blocked by surrounding objects.



Registration

The E15 must be awakened from sleep mode to be registered into the rhombus console. There are several ways to wake the device for registration:

- Press the button on the E15.
- Re-Insert battery into the E15.



The E15 LED will pulse green when waiting to be registered and will stay awake for two (2) minutes before going back into sleep mode.
Follow the instructions on the registration page to complete product registration.
For additional information on registering the E15 into the rhombus console, please visit:
www.rhombus.com/setup/e15

Notes

Supplemental Info

For additional information and recommendations on setting up the E15, please visit:
https://support.rhombussystems.com/hc/en-us/articles/14921970592141-Registering-the-E15
For a product overview and additional E15 sensor specifications, please visit:
https://www.rhombus.com/sensors/environmental-monitoring/e15

Support

For questions or troubleshooting support, contact Rhombus support at **help@rhombus.com** or submit a request online at: **https://support.rhombussystems.com/hc/en-us/requests/new**

E15 Compliance

FCC Statement

FCC ID: 2AZ3J-B10

1. 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.
    2. This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

RF warning statement:
To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance 20cm betw een the radiator and your body: Use only the supplied antenna.

IC Compliance Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement:
The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

sales@rhombus.com
1919 19th St Sacramento, CA 95811

Documents / Resources

	rhombus E15 Environmental Sensor [pdf] Instruction Manual 2AZ3J-B10, 2AZ3JB10, b10, E15 Environmental Sensor, E15, Environmental Sensor, Sensor

References

- Rhombus E15 Environmental Sensor - Temperature & Humidity

Manuals+.