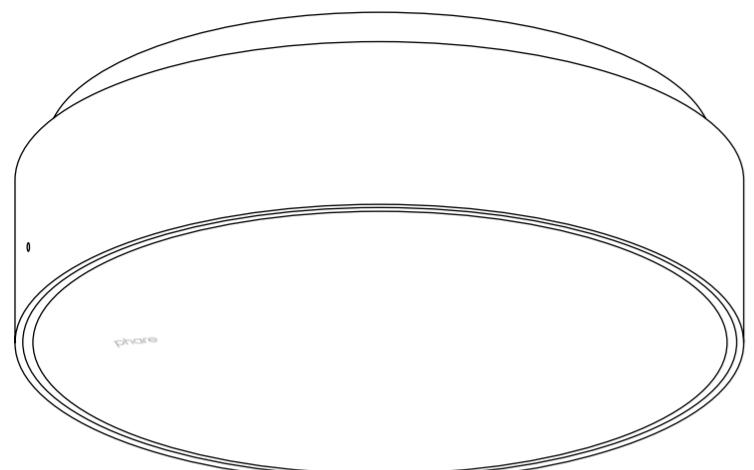


phare labs

Phare C1

**Overview**

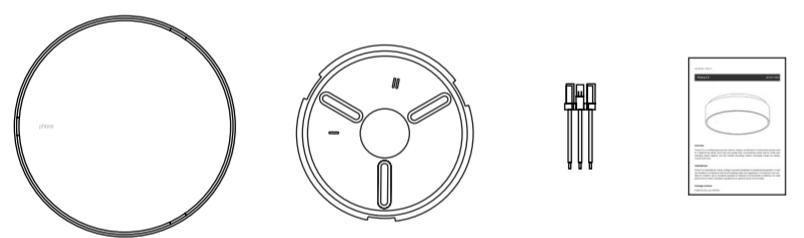
Phare C1 is a multipurpose security device. Using a combination of advanced sensors and AI, it detects fire earlier and more accurately than conventional smoke alarms, while also standing watch against non-fire threats including carbon monoxide, break-ins, damp, mould and more.

Intended Use

Phare C1 is intended for indoor, ceiling-mounted installation in residential properties. It must be installed in compliance with local building codes and regulations. The device is not suitable for outdoor use or locations exposed to extreme environmental conditions. For best performance, follow installation guidelines for optimal sensor functionality.

Package contents

Inside the box, you will find:



Before installation, ensure all components are present and undamaged. Contact Phare Labs support if any item is missing or defective.

Safety and Compliance

Safety and Compliance
Do not disassemble or modify the device, as this can lead to electric shock or device malfunction. Ensure installation follows local electrical codes and is performed by a qualified professional.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) this device may not cause harmful interference; (2) this device must accept any interference received, including that which may cause undesired operation; (3) any modifications not approved by Phare Labs may void the user's authority to operate this device.

Phare C1 meets hazard-based safety requirements for audio/video, IT, and communication technology equipment as per IEC 62368-1 standards. Users must adhere to safe handling and installation practices to maintain compliance.

No alarm can detect every possible emergency condition. Users should have additional safety measures in place. Smoke, fire, or CO detection can be affected by environmental factors such as closed doors or high airflow areas. Avoid exposure to water or extreme humidity, which can impact sensor performance. Individuals with hearing impairments should ensure supplementary alert systems, such as visual or vibrating alarms, are in place.

Installation instructions**Pre-installation Checks**

- Turn off power at the circuit breaker before installation.
- Choose an optimal location away from direct drafts, vents, cooking appliances, and areas with excessive humidity, and complying with local regulations requirements. Follow instructions below on how to select the best location for the device.

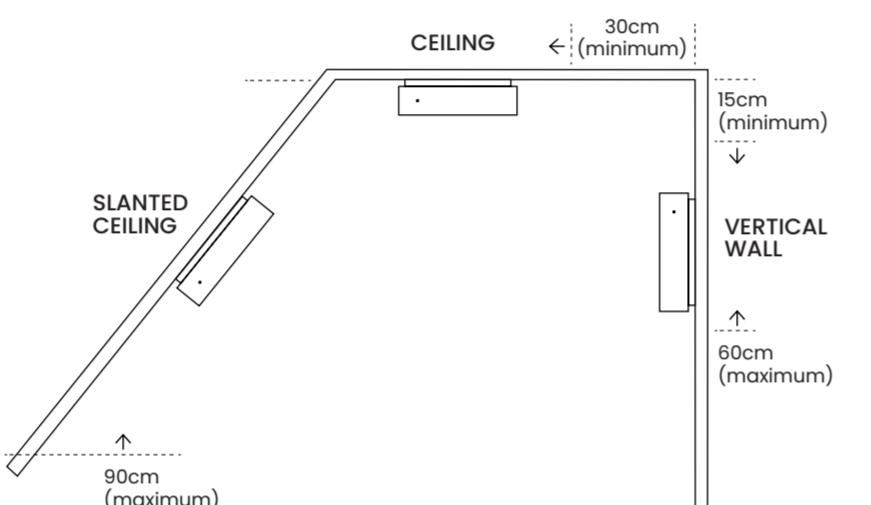
Mounting Guidelines

Installing on the ceiling is recommended. For ceiling placement ensure the device is installed at least 30 cm (12 in) away from walls.

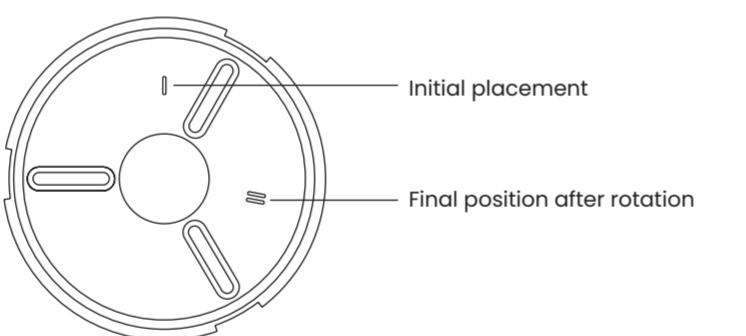
For sloped, peaked or cathedral ceiling, position within 90 cm (35 in) from the highest point.

For wall placement position the device between 15 and 60 cm from the ceiling.

Follow local regulations regarding distances from kitchens, bathrooms, and other sources of smoke or moisture. It is not recommended to place less than 3m (10 ft) away from cooktops or cooking appliances, or in unfinished attics or garages.

**Orientation and alignment**

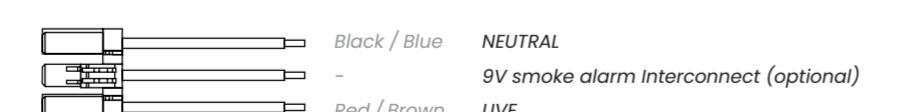
The plate installation will determine the orientation of the logo on the device. This is optional and does not affect performance in any way, but to align the logotype you can use the marks ("I" and "II") as reference. The device will be placed with the logo on the "I" mark and rotated until the "II" mark, so that will be its final position when installed.

**Wiring**

Ensure compliance with regional electrical standards when installing the device. Use professional installation for safe and accurate wiring. Follow proper safety guidelines for interconnection with building wiring.

Recommended wire gauge is 14 AWG - 16 AWG (1.5-2.5 mm²).

The connection with the 9V smoke alarm interconnect is optional. If not used, it should be properly terminated for safe operation.



It is recommended to use inline splicing connectors between the power connector and the building power (or an equivalent connector).

Attaching the Device

Secure the mounting plate to the ceiling with appropriate screws for the ceiling or wall type.

Pass the mains cables through the plate central hole and connect to the power connector. Then plug the connector to the device (still with the circuit breaker power off to avoid accidents)

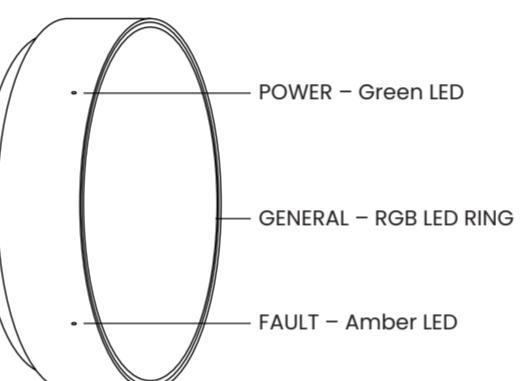
Align the Phare C1 unit with the mounting plate and rotate until locked in place.

Power-On & Initial Setup

Restore power at the circuit breaker. The Green LED indicator should confirm successful power-up. Follow the app instructions pair the device.

Operation**Normal Operation & Indicators**

The whole front surface of the device acts as the only button to interact with it. Besides it, there are 3 indicators on the device as indicated in the illustration, a main color ring LED, a Fault LED (amber) and a power LED (green).



The general LED RGB ring indicator is used in a variety of situations to indicate alerts. The ring uses different colours to indicate the severity, from RED (high) to orange (medium) and yellow (light). It is also used during pairing and setup to communicate with the user, displaying a blue colour for pairing and a white color for the rest of the interactions, the meaning will be displayed on the app during setup.

Heads-Up vs. Emergency Alerts

Heads-up alerts provide early warnings before a full alarm is triggered. Emergency alarms indicate immediate danger requiring evacuation.

Connectivity and Mobile Notifications

Remote alerts via Wi-Fi, Bluetooth, or cellular connection. Notifications depend on a stable network and should not replace direct emergency monitoring.

Maintenance and Testing**Regular Testing**

Perform a test monthly via the device button or mobile app. Automatic sensor and battery status self-checks occur periodically.

Cleaning

Use a soft, dry cloth; avoid chemicals or sprays near the sensors.

Non-replaceable battery

The device contains an enclosed, non-replaceable, rechargeable battery that automatically recharges with the power coming from the mains. The user shall not disassemble the device nor replace the built-in battery inside.

Disposal and Recycling**End-of-Life (EOL)**

The device will signal EOL with a persistent LED and audio notification, as well as a notification via the app and/or dashboard. Disposal should follow local electronic waste regulations.

The device contains lithium-ion batteries, do not dispose of in fire or extreme heat and avoid exposure to high-pressure environments.

Operating Ratings

Power Supply Voltage
Operating Temperature*

100-240 VAC 50/60Hz 0.25 A
5 °C to 50 °C

* Outside the recommended operating range the device may still work but some functions like recharging the back-up battery may be disabled for safety.

Device Markings Meaning

The device contains a series of marking on the back side that ensures compliance with the appropriate standards. These include:

Power rating, the accepted input power type, voltage, current and frequency ratings.

Manufacturer details

The device FCC ID, a unique code assigned to electronic devices by the FCC in the United States, which is used to identify and certify that the device meets the necessary regulatory standards for wireless communication.

Replacement date, 10 years after the manufacturing date. The device firmware also records this and will alert the user before that time comes.

Safety warning, preventing the user from replacing the built-in rechargeable battery.

It also includes the following icons, whose meaning can be found below.

Class II Electrical Equipment

A Class II or double insulated electrical appliance uses reinforced protective insulation in addition to basic insulation. Hence, it has been designed in such a way that it does not require a safety connection to electrical earth (ground).

WEEE (Waste from Electrical and Electronic Equipment)

The product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.

Warranty and Support**Warranty**

The Phare C1 is covered under warranty for a period of two (2) years from the original date of purchase. During this time, Phare Labs guarantees that the device is free from defects in materials and workmanship under normal usage conditions.

This warranty includes repair or replacement of the Phare C1 if found to be defective due to manufacturing faults. Any repairs will be conducted using new or refurbished parts, and replacements will be of equal or greater value.

The warranty does not cover damages resulting from misuse, accidental damage, unauthorized modifications, or improper installation. It also does not extend to normal wear and tear, cosmetic damages, or issues caused by power surges, exposure to extreme environmental conditions, or failure to follow the installation and maintenance guidelines outlined in this manual.

Data Privacy

Phare C1 collects and processes data for safety monitoring and performance optimization. Personal data is encrypted and stored securely.

For full details, visit: <https://www.pharelabs.com/legal/privacy>

Countries of use

Phare C1 is certified for use in the United States and the United Kingdom. Users must ensure compliance with local regulations and building codes when installing the device.

Customer support

www.pharelabs.com/
support@pharelabs.com

Manufacturer Information

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