



e-round*me*

E-Roundme Pro
Installation Guide

E-Roundme s.r.l. Italy

info@eroundme.it - www.eroundme.it

Manufactured by Airgloss for E-Roundme

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Patent pending PCT/IB2023/051200, WO2023187483A1

Welcome to E-Roundme!

Thank you for choosing E-Roundme. Meet E-Roundme Pro, your new professional indoor environmental monitoring and HVAC control solution. This guide will introduce the product and follow the steps for a correct installation and setup.

Compatibility

Works in standalone configuration for environmental monitoring only, and performs intelligent air quality management through demand control ventilation (SmartDCV) in conjunction with existing HVAC systems.

Requires 12/24V AC/DC power supply (adapter not included) and internet access through Wi-Fi 802.11b/g/n @ 2.4GHz.

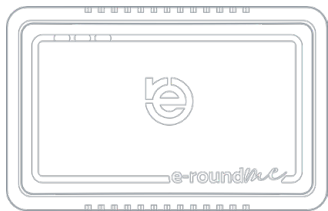
Optional Modbus or BACnet over RS485 for HVAC control.

Minimum mobile OS supported version: Android 7.0 (Nougat) e iOS 12.0.

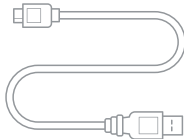
Install in accordance with all national and local electrical codes.

Refer to <https://www.eroundme.it/faq/> to make sure E-Roundme Pro works in your environment and find out if you need installation by a certified professional.

What is in the box



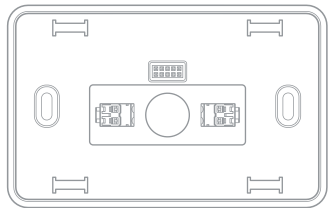
Sensing unit



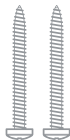
USB cable



Manuals



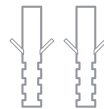
Wall mount plate



Wall screws

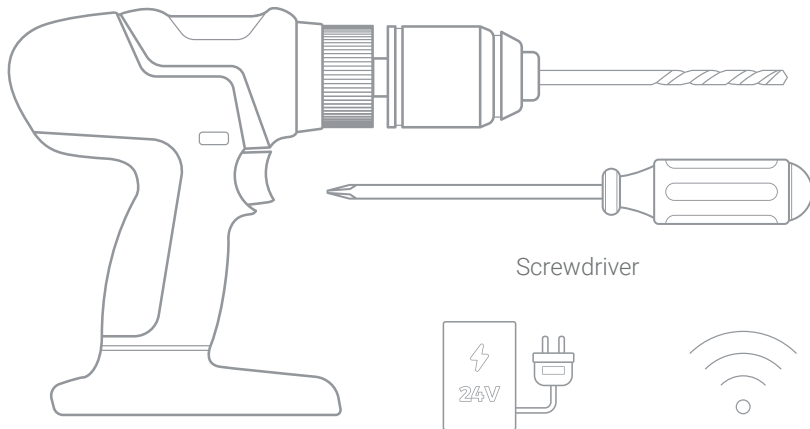


Short screws



Anchor screws

What is required



Drill
(optional)

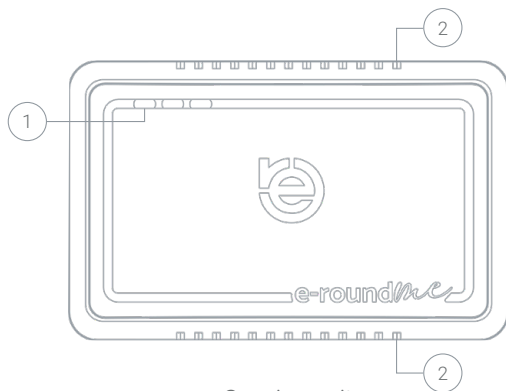
Screwdriver

Power Supply
(12/24V AC/DC)

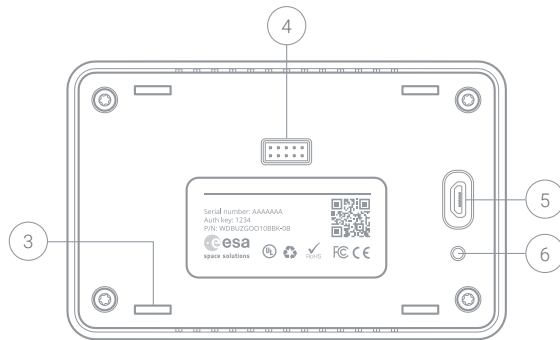
Wi-Fi
(802.11b/g/n @ 2.4GHz)

Smartphone
(Android/iOS)

E-Roundme Pro



Sensing unit



Sensing unit back side

① Led lights

② Air inlets

③ Fixing elements

④ Internal connector

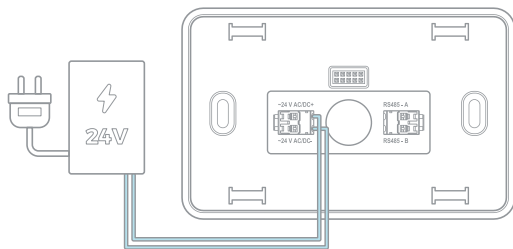
⑤ USB connectivity

⑥ Reset button

Connectivity

Option A - Environmental monitoring only

E-Roundme Pro works in standalone configuration for air quality and environmental monitoring, allowing real time data visualization and standard or custom notifications. Requires 12/24V AC/DC power supply derived from your local low voltage system or provided by an external adapter, not included.



Connectivity detail



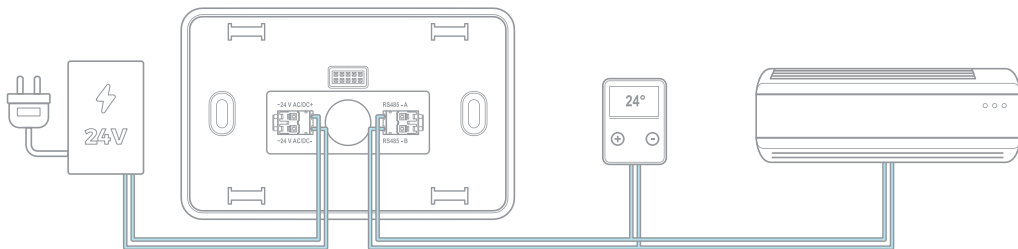
Power supply
(12/24V AC/DC)

RS485
(BACnet, Modbus)

Connectivity

Option B - Environmental monitoring + HVAC control

E-Roundme Pro is also optionally able to control existing HVAC systems using wired Modbus or BACnet connectivity, and performs intelligent air quality management through demand control ventilation (SmartDCV). For further enquiries, contact our technical division at customercare@eroundme.it.



Safety informations

Do not

- Try to open or make modifications to the device
- Inject gases or pollutants, or blow smoke or fumes directly toward the device
- Use the device if it has any physical damage or isn't working properly
- Plug/unplug the device frequently
- Let children use the device
- Expose to a high density of gas for long periods of time or store in bags with silica gel

Warning! Misuse can cause burns, fire, electrocution, and other hazards.

Do not use

- In conditions of extreme temperature or humidity
- Outdoors
- In a dusty environment
- Close to silicone-based glue or any product releasing silicone fumes
- In life safety applications

Do not clean with

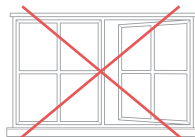
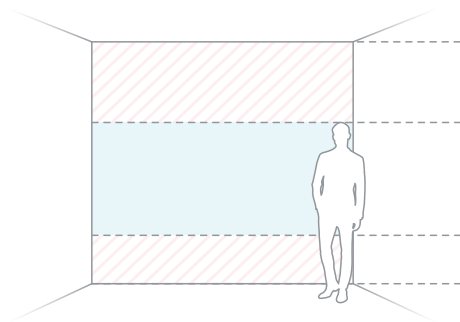
- Water
- Spray
- Feather dusters
- Vacuum cleaners

Placement in your environment

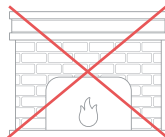
E-Roundme Pro should be positioned on an indoor wall, preferably at eye level (approx. 5ft / 1.5m) and in a room frequently used, to ensure correct air quality, temperature and humidity readings.

Do not place

- Less than 3.3ft / 1m away from the floor and ceiling
- Under direct sunlight
- Next to heat/cool/pollution sources
- Inside or next to liquids
- Near potted plants
- In enclosed areas (closets, drawers) or behind doors, furniture or other objects
- With anything covering it or on top of it (keep a minimum distance of 1ft / 30cm)



Near windows

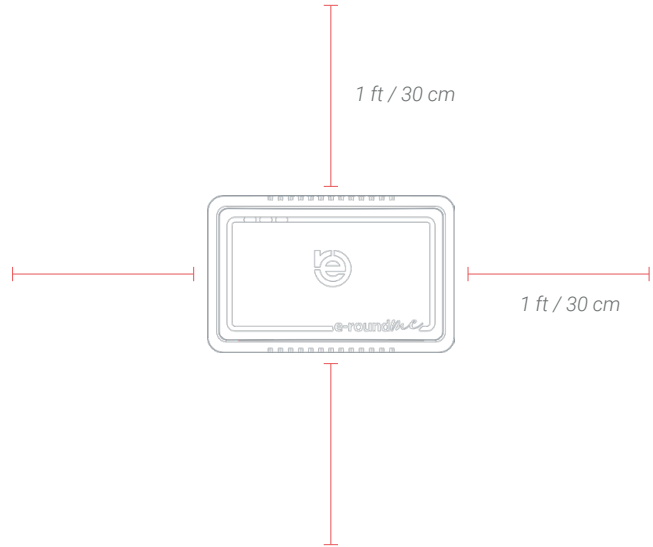


Near heat/pollution sources



Give it some air!

To ensure accurate monitoring, check that E-Roundme Pro has an unobstructed view of the room and that the air inlets are not blocked. Place your device at least 1 ft / 30cm away from any furniture, shelf or object that may block a regular airflow.



Color and sound notifications



E-Roundme Pro features light and sound notifications. Check the top left side of the device to see if the led lights are on. There are four possible colours: blue, red, yellow and green.

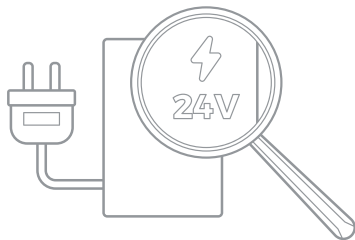
COLOR	EFFECT	SOUND*	MEANING
	blinking	-	Ready for pairing
	scrolling	-	Pairing in progress
	short blinking	-	Pairing error
	double blinking	-	Pairing success
	slow blinking	-	Critical failure
	pulse every 30s	-	Sensor online
	scrolling	-	Searching for network
	fixed for 20s	one beep	Ambient color code green
	fixed for 20s	two beeps	Ambient color code yellow
	fixed for 20s	three beeps	Ambient color code red

*Sound alerts can be enabled and disabled by the user inside 'Device settings' -> 'Manage notifications'

Get started

1. Check power supply

Check if you have 12/24 V AC/DC. If you don't, contact a certified installer to place an adapter.

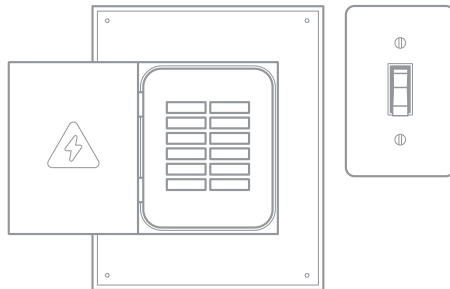


Warning! Do not connect E-Roundme Pro to high voltage!

Warning! Improper use or installation can cause loss/damage of property.

2. Switch off power

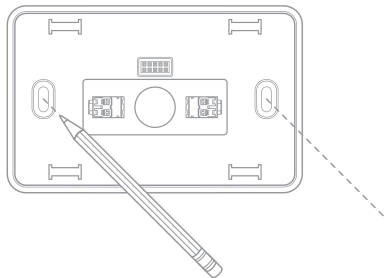
To protect yourself and your equipment, power off your system at the breaker box and/or switch that controls your HVAC system before doing anything.



Installation

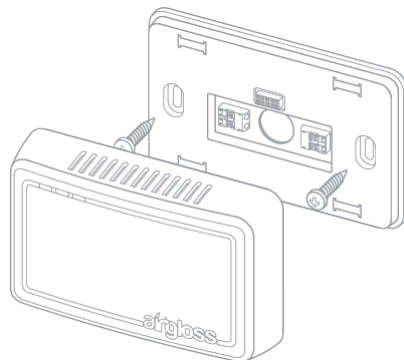
3. Mark where screws will go

Using a pencil and the wall mount plate, mark the wall to position the provided screws.



4. Attach to the wall

Use the provided screws and a Phillips screwdriver to attach E-Roundme Pro wall mount plate to the wall. Placing screw anchors is recommendable.



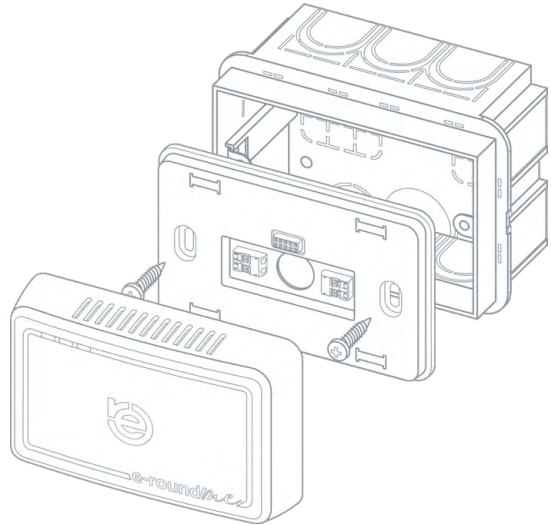
Installation

4. Mounting on an electrical box (optional)

E-Roundme Pro can be installed directly on the electrical box, using the provided accessories. Position the wall mount plate first, using the short screws to anchor it to the box.

Make sure no contaminants are present inside the electrical box (molds, silicones or other chemicals) and that no air drafts are coming from flexible electrical tubings.

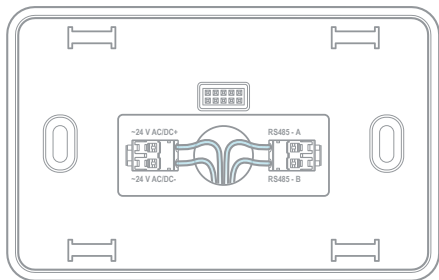
Warning! Do not place any transformer or power adapter inside the electrical box!



Installation

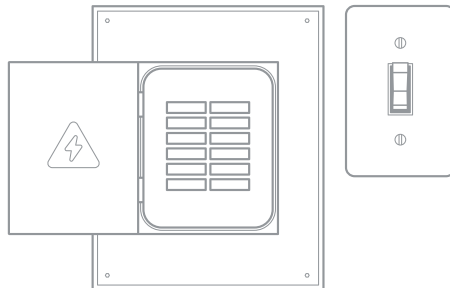
5. Connect wires

Connect power wires to the left connector and RS485 to the right one (optional), then flush the remaining wires inside the hole. On the occasion of wire removal, push connectors with a screwdriver.



6. Switch power back on

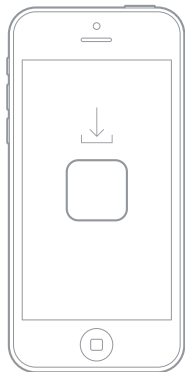
You may now power on your system at the breaker box or switch that controls the E-Roundme powerline and/or your HVAC system.



Device registration

7. Download app and register

Search for E-Roundme app on the App Store or on the Play Store, download it and follow the steps to register a new account.



8. Follow the guided steps

Create a new building in your account by selecting 'Add building'. Then, Add a new device and follow the guided procedure to configure your device.



Advanced multi-sensing technology

E-Roundme Pro is the first environmental monitor able to detect and identify a wide range of indoor airborne pollutants, using AI algorithms and Pattern Recognition. Reliable. Accurate. Smart.



Volatile Organic Compounds

A variety of airborne pollutants. VOC's may have both short and long-term negative effects on health.



Carbon Monoxide

CO is odorless and colorless, and can be toxic over a certain concentration; it's also a common cause of air poisoning.



Methane (or LPG)

Not toxic, but asphyxiant and highly flammable. An early detection of possible leaks is therefore extremely important.



Temperature and Humidity

Temperature and Humidity are key to indoor environment quality. Excess RH is also cause of mold growth in buildings.



Carbon Dioxide

Excess CO₂ build up due to low air exchange may lead to headaches and impair cognitive performance.



Nitrogen Dioxide

As a byproduct of combustion in engines, NO₂ is a component of outdoor pollution and can contaminate indoor environment.



Background Noise

Exposure to constant noise can increase stress levels, cause hypertension, sleep disorder, or alter the cardiovascular and immune systems.



Atmospheric Pressure

Primarily associated with weather forecasts, barometric pressure changes may cause or intensify physical discomfort, joint pains and headaches.

Parameters configuration may vary according to the E-Roundme Pro model you own. Check your model on the packaging or on the technical specifications.

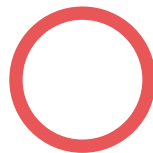
Color codes



Air quality is good
and indoor parameters
are well within limits.



Air quality is average. Follow
Airgloss tips to improve your
indoor environment.



Parameters exceeded limits.
Exposure could be
dangerous for your health.

WARNING

E-Roundme Pro multigas sensors are designed for HVAC and building automation systems and are not specifically intended for safety in hazardous environments and life-critical situations.

E-Roundme Pro is not a suitable substitute for a carbon monoxide alarm/detector, a standalone gas alarm, nor a toxic-gas detector, and has not been tested for Life Safety Applications. Therefore, it is not to be used in Life Safety Applications in jurisdictions that require this certification.

Limited Warranty terms and conditions

E-Roundme s.r.l.

IMPORTANT INFORMATION ABOUT YOUR RIGHTS AND OBLIGATIONS, AS WELL AS LIMITATIONS AND EXCLUSIONS THAT MAY APPLY TO YOU.

YOUR RIGHTS AND THIS LIMITED WARRANTY

This Limited Warranty gives you specific legal rights. You may also have other legal rights that vary by state, province or jurisdiction. The disclaimers, exclusions, and limitations of liability under this Limited Warranty will not apply to the extent prohibited by applicable law. For a full description of your legal rights you should refer to the laws applicable in your jurisdiction and you may wish to contact a relevant consumer advisory service.

WHAT THIS LIMITED WARRANTY COVERS; PERIOD OF COVERAGE

E-Roundme s.r.l. (VAT ID IT17032031001), Via Tiburtina, 1166 – 00156 Roma, warrants to the owner of the enclosed product that the product contained in this box ("Product") will be free from defects in materials and workmanship for a period of two (2) years (or one (1) year for Factory Refurbished Products) from the date of delivery following the original retail purchase (the "Warranty Period").

If the Product fails to conform to this Limited Warranty during the Warranty Period, E-Roundme will, at its sole discretion, either (a) repair or replace any defective Product or component; or (b) accept the return of the Product and refund the money actually paid by the original purchaser for the Product. Repair or replacement may be made with a new or refurbished product or components, at Airgloss' sole discretion. If the Product or a component incorporated within it is no longer available, E-Roundme may replace the Product with a similar product of similar function, at E-Roundme ' sole discretion. This is your sole and exclusive remedy for breach of this Limited Warranty. Any Product that has either been repaired or replaced under this Limited Warranty will be covered by the terms of this Limited Warranty for the longer of ninety (90) days from the date of delivery or the remaining Warranty Period. This Limited Warranty is transferable from the original purchaser to subsequent owners, but the Warranty Period will not be extended in duration or expanded in coverage for any such transfer.

TOTAL SATISFACTION RETURN POLICY

If you are the original purchaser of the Product and you are not

satisfied with this Product for any reason, you may return it in its original condition within thirty (30) days of the original purchase and receive a full refund.

WARRANTY CONDITIONS; HOW TO GET SERVICE IF YOU WANT TO CLAIM UNDER THIS LIMITED WARRANTY

Before being able to claim under this Limited Warranty, the owner of the Product must (a) notify E-Roundme of the intention to claim by visiting eroundme.it/support during the Warranty Period and providing a description of the alleged failure, and (b) comply with E-Roundme return shipping instructions. E-Roundme will have no warranty obligations with respect to a returned Product if it determines, in its reasonable discretion after examination of the returned Product, that the Product is an Ineligible Product (defined below). E-Roundme will bear all costs of return shipping to owner and will reimburse any shipping costs incurred by the owner, except with respect to any Ineligible Product, for which owner will bear all shipping costs.

WHAT THIS LIMITED WARRANTY DOES NOT COVER

This warranty does not cover the following (collectively "Ineligible Products"): Products marked as "sample" or "engineering sample" sold "AS IS"; or Products that have been subject to: (a) modifications, alterations, tampering, or improper maintenance or repairs; (b) handling, storage, installation, testing, or use not in accordance with

the Installation Guide or other instructions provided by E-Roundme; (c) abuse or misuse of the Product; (d) breakdowns, fluctuations, or interruptions in electric power or the telecommunications network; or (e) Acts of God, including lightning, flood, tornado, earthquake, or hurricane. This warranty does not cover consumable parts, including batteries, unless damage is due to defects in materials or workmanship of the Product, or software (even if packaged or sold with the product). E-Roundme recommends that you use only authorized service providers for maintenance or repair. Unauthorized use of the Product or software can impair the Product's performance and may invalidate this Limited Warranty.

DISCLAIMER OF WARRANTIES

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LIMITATION OF DAMAGES

IN ADDITION TO THE ABOVE WARRANTY DISCLAIMERS, IN NO

EVENT WILL E-ROUNDME BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, EXEMPLARY, OR SPECIAL DAMAGES, INCLUDING ANY DAMAGES FOR LOST DATA OR LOST PROFITS, ARISING FROM OR RELATING TO THIS LIMITED WARRANTY OR THE PRODUCT, AND E-ROUNDME TOTAL CUMULATIVE LIABILITY ARISING FROM OR RELATED TO THIS LIMITED WARRANTY OR THE PRODUCT WILL NOT EXCEED THE AMOUNT ACTUALLY PAID FOR THE PRODUCT BY THE ORIGINAL PURCHASER.

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VARIATIONS THAT MIGHT APPLY TO THIS LIMITED WARRANTY

Some jurisdictions do not allow limitations on how long an implied warranty lasts or exclusions/limitations on incidental or consequential damages, so some of the limitations set out above may not apply to you.



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