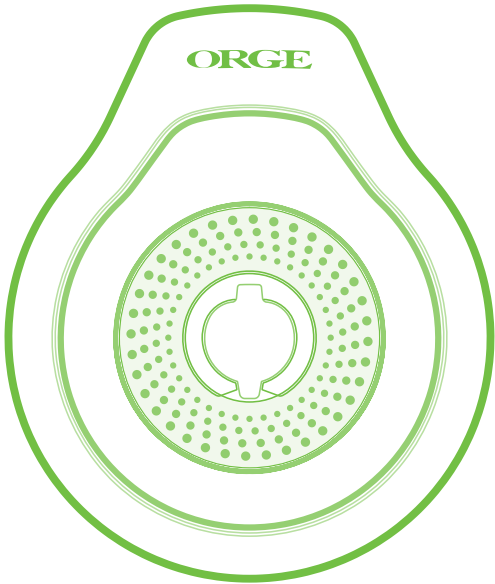


ROUND

User Manual



Dear Customer,

First of all, thank you for choosing our product. The ROUND electric vehicle charging unit has been designed to offer you long-lasting and reliable use with its modern design and high safety standards.

This installation guide has been prepared to ensure the correct and safe installation of the device. Please read this guide carefully before starting the installation process. To fully benefit from the performance of our product and to prevent possible malfunctions, it is important to follow the steps outlined in this manual.

If you have any questions, please feel free to contact our technical support team.

Sincerely,

Safety Instructions

1. GENERAL SAFETY WARNINGS

Before attempting to install this product, read and follow the instructions and warnings in this manual. Keep the manual for future reference. To prevent personal injury and property damage, please observe the following safety precautions.

The product must be installed only by personnel authorized in electrical work.

- The power must be completely turned off and all lines must be de-energized before making any connections to the device.
- It is strictly forbidden to interfere with the internal components while the charger is operating.
- The device must only be used with parts, accessories, and cables approved by the manufacturer.
- Flammable, explosive, or corrosive substances must not be kept around the device.
- The charging connector and cables must be inspected regularly, and any damaged components must not be used under any circumstances.
- The device must be protected against excessive humidity, direct sunlight, high temperatures, and freezing conditions.
- Unauthorized repairs, modifications, or attempts to open the charging device will void the warranty and may pose a safety risk.
- A minimum clearance of 50 cm must be maintained around the device during installation and use. There should be no objects obstructing airflow.

2. ELECTRICAL SAFETY PRECAUTIONS

- The device must not be operated without a proper grounding connection under any circumstances.
- Type A or Type B RCCB (Residual Current Circuit Breaker) must be used during installation and tested regularly.
- The charging device must not be used outside its rated operating voltage.
- After power is supplied, it must be checked that the connections do not exhibit heating, sparking, or leakage.

3. STRUCTURAL SAFETY AND ENVIRONMENTAL CONDITIONS

- The device has an IP65 protection rating; however, it is recommended to install it in a way that prevents direct exposure to rain.
- The device operates safely within a temperature range of -30°C to +50°C. Do not use it under conditions outside this range.
- The charging unit should be mounted on an insulated, dry, and flat surface, and kept away from high humidity, salty air, corrosive gases, or chemicals.
- Flammable, explosive, or volatile gases/substances must not be present around the device under any circumstances.
- If the connector end of the unit gets wet or damaged during charging, the device must be thoroughly dried and inspected before further use.
- A minimum clearance of 50 cm must be maintained around the device to ensure proper air circulation.
- If the charging station is installed outdoors, a protective cover is recommended to shield it from direct rainfall and sunlight.

4. PRECAUTIONS DURING USE

- Before connecting the charging cable, the connector must be checked for integrity. If there are any cracks, melting, or looseness, it must not be used.
- While the vehicle is charging, the cable must not be pulled, and the connection must not be disconnected before stopping the charging process.
- The charging process should only be initiated after user authentication (e.g., RFID card or mobile app), and unauthorized usage must be prevented.
- If any burning smell, abnormal heating, or unusual sounds are detected from the device, usage must be stopped immediately and technical support should be contacted.

5. MAINTENANCE AND PERIODIC INSPECTIONS

- Maintenance procedures must only be carried out on a de-energized device and by authorized personnel.
- Do not clean the device while it is charging.
- The device must not be washed with water or cleaned with a very wet cloth. Do not use pressurized water.
- The outer surface of the device should be wiped with a microfiber cloth; chemicals such as detergents, solvents, or alcohol must not be used.

6. CONDITIONS UNDER WHICH THE DEVICE MUST NOT BE USED

- The device and cable must not be operated until they have completely thawed after a freezing event.
- If the cable end is wet or dirty, it must not be connected before it is properly cleaned.
- In any emergency situation, power must be cut off and the device must be taken out of service.
- If the device needs to be transported, it must be fully disassembled and isolated from the power supply.
- If the device is not functioning due to any user intervention, technical support must be contacted without attempting to open the device.

7. LEGAL LIABILITY AND AUTHORIZED SERVICE

This device is designed to be used only under the conditions, limits, and technical specifications specified in this user manual. Improper installation, misuse, lack of periodic maintenance, unauthorized intervention, repair, or modification of the ROUND electric vehicle charging unit may directly affect the performance and safety of the device. In such cases, the manufacturer or seller cannot be held liable for any of the issues outlined below.

Our company accepts no liability in the following cases:

- Operating the device under conditions not specified in this manual or for purposes other than its intended use,
- Installation of the device by unqualified or unauthorized personnel,
- Improper or incomplete implementation of electrical safety measures (such as grounding, RCCB, fuses, etc.),
- Maintenance, cleaning, or part replacement performed without the manufacturer's approval,
- Hardware or software interventions made by third parties,
- Failure to protect the device against external factors such as overheating, water leakage, humidity, chemical vapors, or corrosive environments,
- Only service personnel authorized by the manufacturer must be employed for installation and maintenance operations,
- Damage to the product resulting from incorrect installation, transportation, or storage conditions.

The user manual and this safety guide must be kept with the device and referred to when necessary.

Legal Disclaimer

By using this device, the user is deemed to have accepted the above-mentioned conditions. The manufacturer and the seller cannot be held liable for any direct or indirect damages (such as loss of life, injury, fire, property damage, data loss, business interruption, etc.) that may occur during the operation of the device.

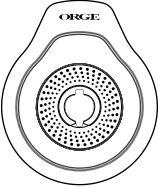
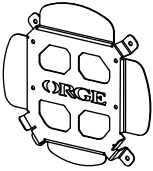
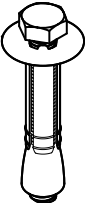
8. PROPER DISPOSAL INSTRUCTIONS

This device must not be disposed of with household waste at the end of its service life. In accordance with European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) and Directive 2008/98/EC on Waste Framework, this product must be recycled appropriately.

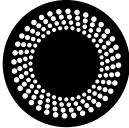
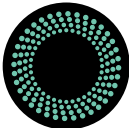
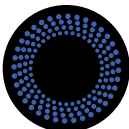
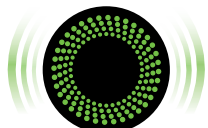
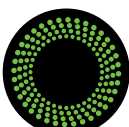
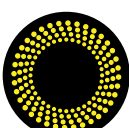
Technical Information

Voltage	230 V / 400 V
Current	10A/16A/32A
Frequency	50 / 60 Hz
Grounding System	TT / IT / TN
Cable Lengths	3m/5m/7m
Charging Mode	Mode2/Mode3
Operating Environment	Indoor / Outdoor
Operating Temperature	-30°C to +50°C
Relative Humidity	%5 ... 98 (No Condensation)
Enclosure Protection Rating	IP55 / IK10
Mounting Options	Wall / Stand
Dimensions	HxWxD 470x395x195
Weight	4.3 Kg
Measurement Options	MID Meter/Class (B± %1)
Configuration	Orge Mobile App
Software Upgrades	OCPP 2.0.1, OCPP 2.1, To Upgrade
Warranty	24 Month
Certification	TSE, REACH, RoHS, EN IEC, CE
EMC Class	A CLASS
Equipment	CLASS II
	IEC EN 61851-1;
	IEC EN 61851-21-2; EN 61000-4-3;
Charge Standards	IEC EN 61000-4-8; EN 55011;

Package Included

 ORGE	1x	 ORGE	1x
	4x		4x
	5x		1x
 SETUP	1x		2x

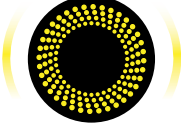
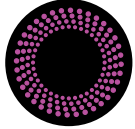
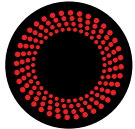
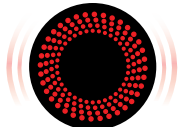
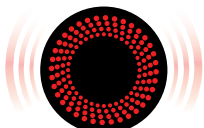
LED Status Information

Status	Color	Status Detail
Device Idle White (Steady)		The device is on, and the charging cable is not connected.
Cable Connection Turquoise (Steady)		The charging cable is connected to the device. Waiting for vehicle connection.
Communication Navy Blue (Steady)		The device is communicating with the vehicle or the server. The user can start the charging process via RFID, QR code, or Mobile App.
Charging Green (Flashing)		The charging process has started.
Charging Complete Green (Steady)		The vehicle battery is fully charged. The user can safely disconnect the cable.
Charging Paused Yellow (Steady)		The charging process has been temporarily paused. The user can manually resume charging or wait for the system to restart it automatically.

Important Notes!

***Charging Paused:** This status usually occurs when, during charging, the vehicle doors are opened while the vehicle is locked. As a safety measure, the vehicle temporarily stops the charging process. After a certain period (approximately 1 minute), the vehicle will attempt to resume charging, and the system will automatically continue from where it left off.

If the charging process was paused manually via the in-vehicle computer, it must also be resumed through the vehicle's system in order to continue charging.

Status	Color	Status Detail
Limited Charging Yellow (Flashing)		The energy supplied from the grid is limited. The vehicle is charging at reduced power.
Charging Terminated Magenta (Steady)		The charging process has been ended by the user.
Grid Fault Red (Steady)		A problem has been detected in the electrical supply to the device.
Ground Fault Red (Slow Flashing)		Grounding is faulty or missing. The user should check the grounding line and consult a qualified electrician.
Phase Fault Red (Fast Flashing)		The device has detected an imbalance between phases. The user should check the power input phases.

Important Notes!

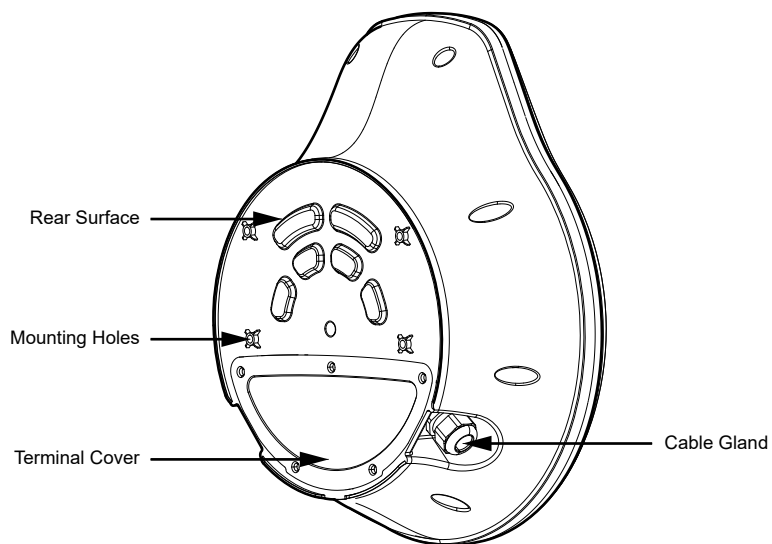
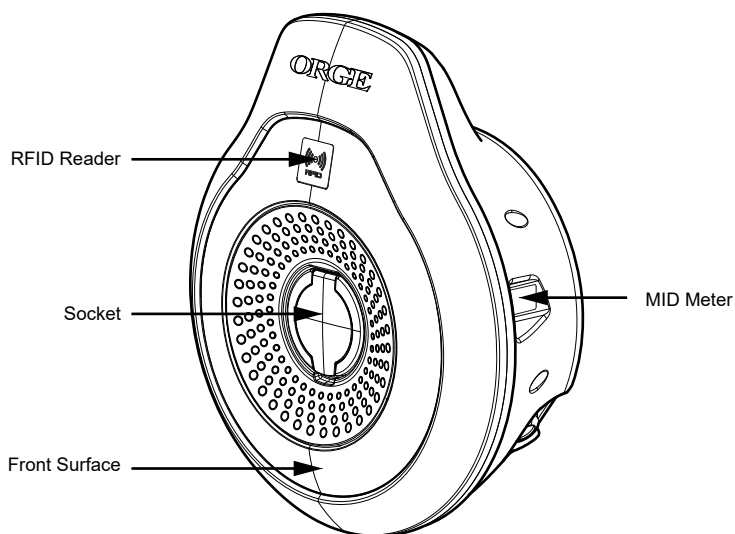
****Grid Fault:** This issue is usually caused by the power grid and is not related to the device itself. Please check your building’s electrical system or contact your energy provider.

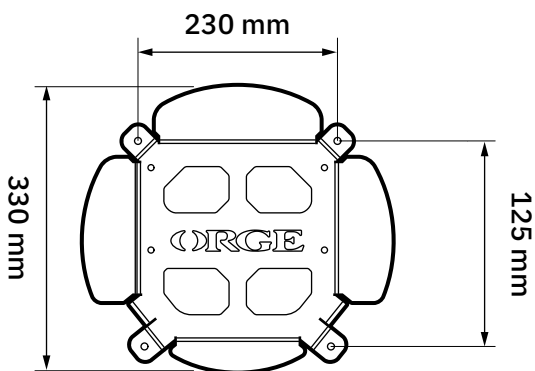
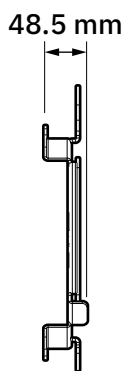
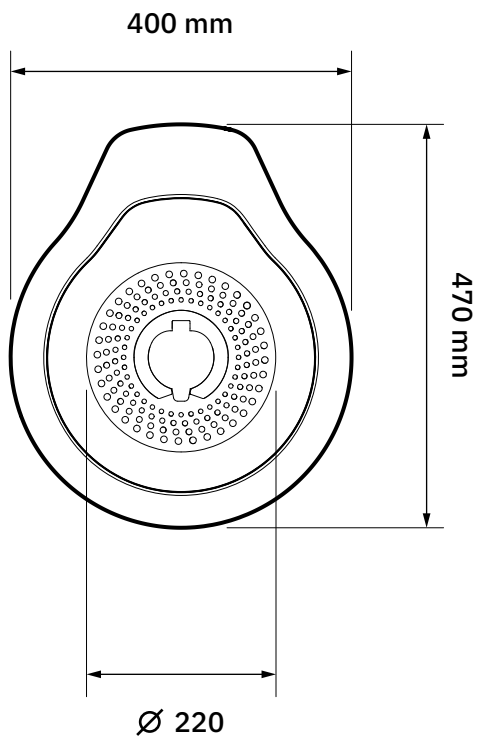
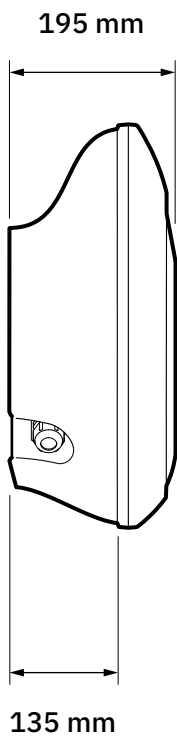
*****Ground Fault:** This condition typically results from a missing or insufficient grounding line in the building’s electrical installation. For safe operation, proper grounding of the building must be ensured, and the ground line must be correctly connected to the device.

*****Phase Fault:** This issue generally occurs due to incorrect connection of a phase cable during installation, a loose cable, or improper seating in the terminal. Please check all phase connections and ensure the cables are securely in place.

Wall Installation

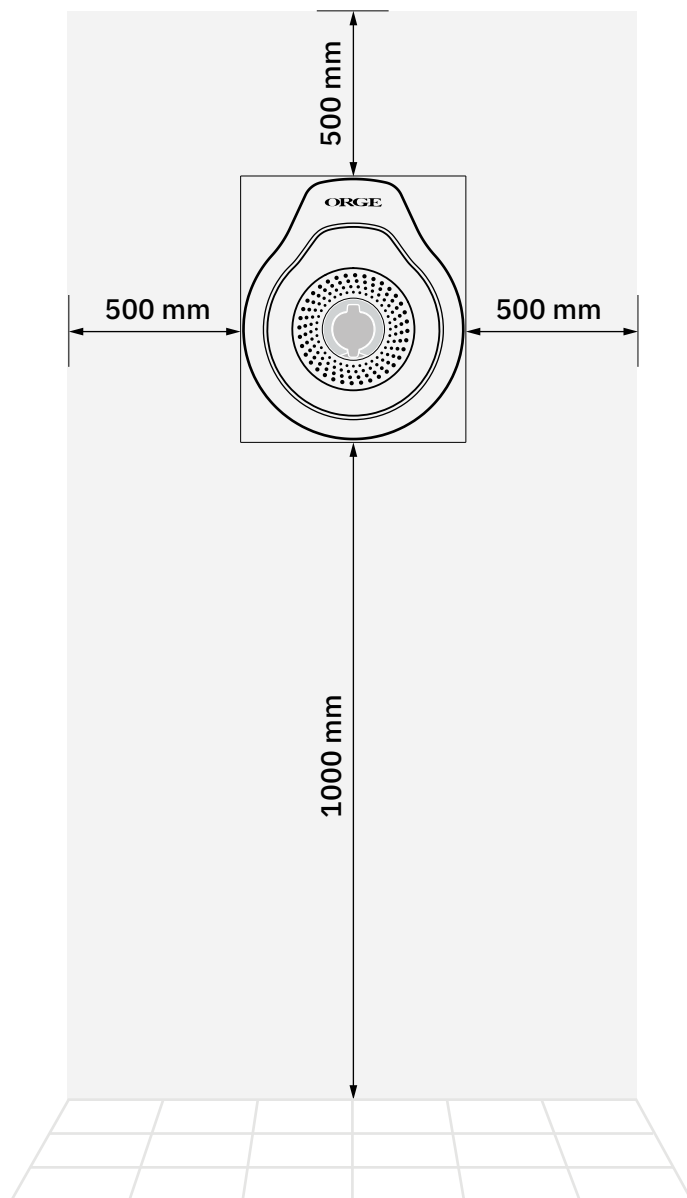








The following measurements must be observed: The device must be installed at a minimum height of 1000 mm. Make sure the device is not placed in a location where it may be directly exposed to pressurized water, dust, or harmful substances.

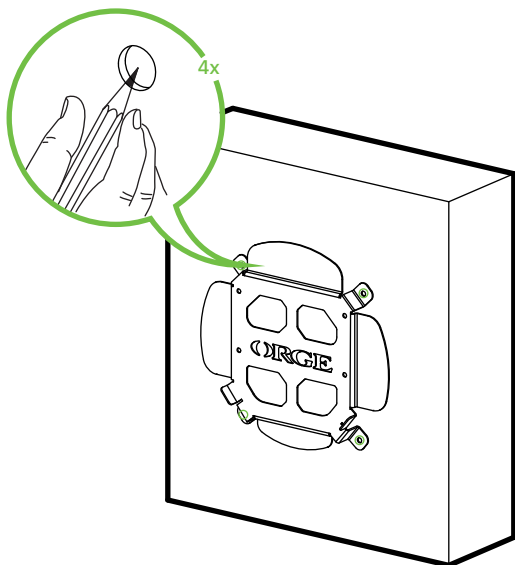


1

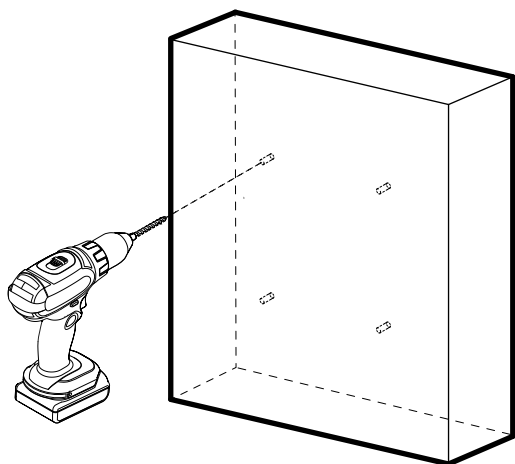
Use the mounting bracket as a template to mark the installation position.



Ensure that the mounted surface has a structure capable of supporting the device.

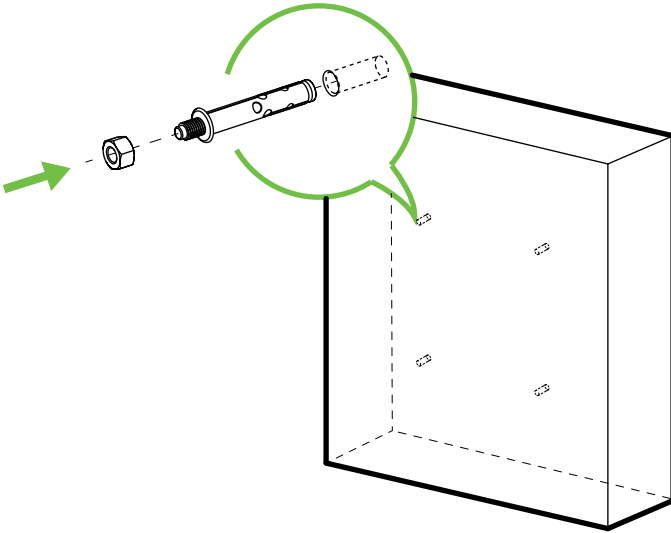
**2**

Insert M6 drop-in steel anchors into the drilled holes. When hammering the anchors, leave the nut a few threads forward to avoid damaging the anchor threads.

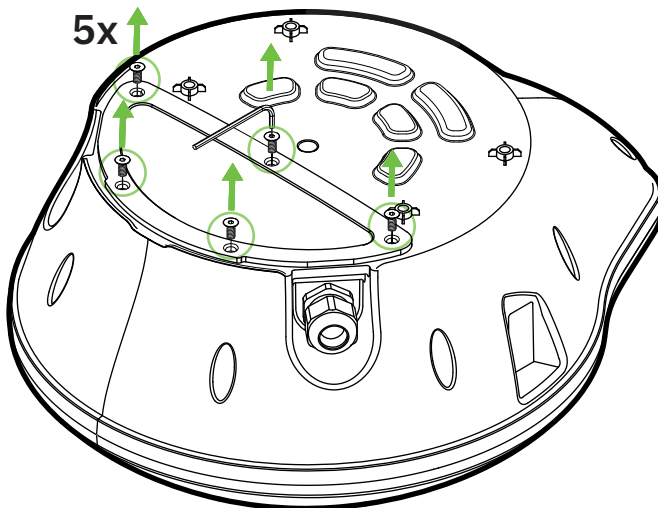


3

Insert M6 drop-in steel anchors into the drilled holes.

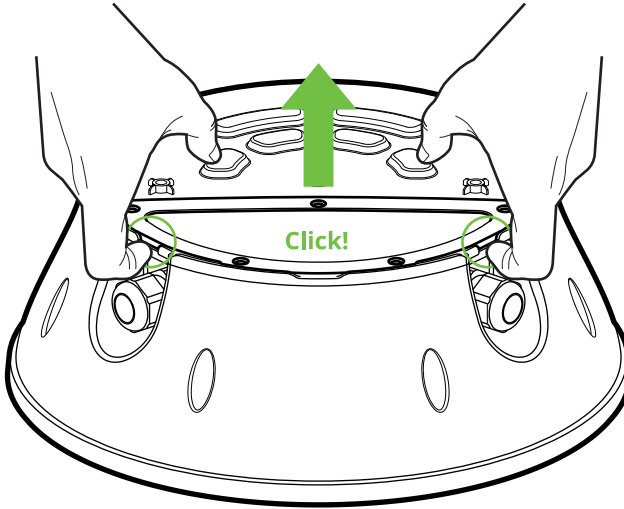
**4**

Place the rear body upside down on a flat and clean surface, and loosen the terminal cover bolts with a 3 mm Allen key as shown in the picture.

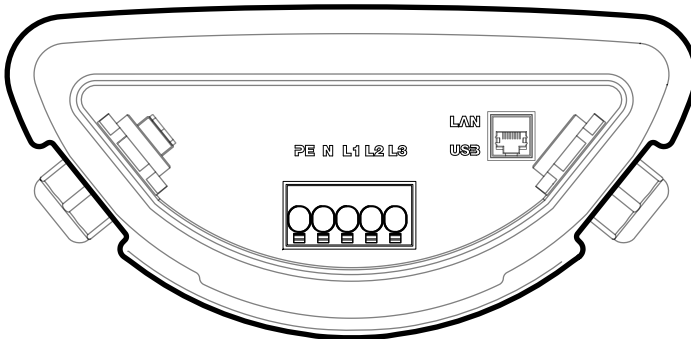


5

Lift the terminal cover upward from the notches indicated in the picture.

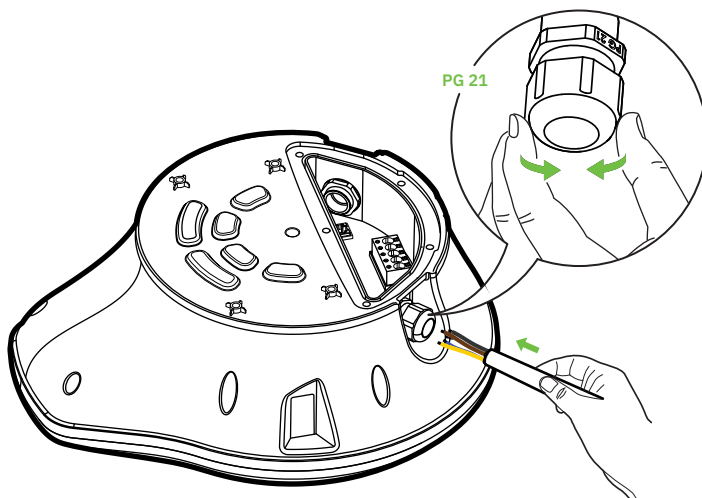
**6**

The locations of the cable connections within the terminal cover are indicated in the diagram as PE, N, L1, L2, L3, ETHERNET, and USB.



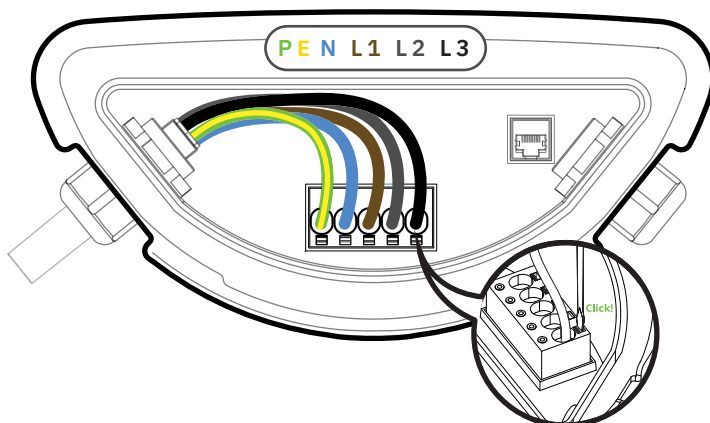
7

Pass the 5 x 6 mm² cable from your mains supply through the gland at the back of the device. Pull the cable to the connection point and cut it, leaving 15 cm extra after the gland. If the cable is stranded, be sure to use a cable lug.



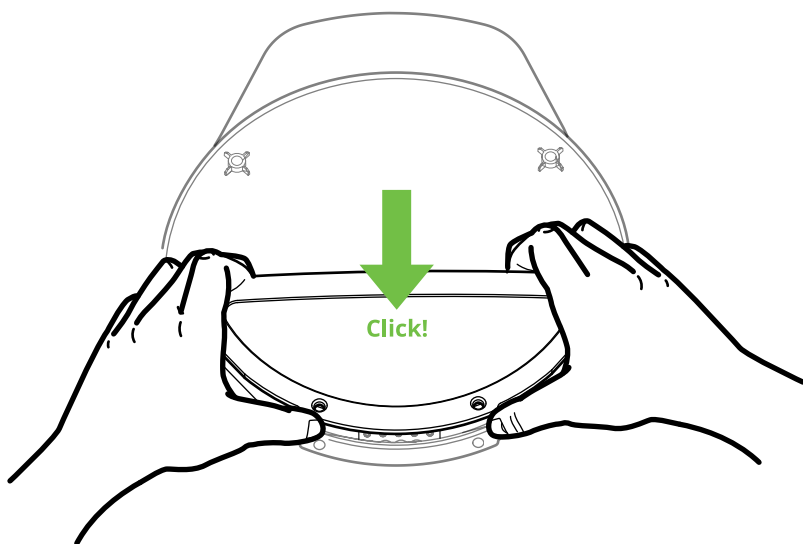
8

Securely insert the cables into the terminal inputs using a flathead screwdriver, as shown in the diagram. Starting with the yellow/green protective earth wire, sequentially insert the Neutral (N), L1, L2, and L3 wires by pressing the orange locks on the terminal with a small screwdriver until they are fully seated. Once all connections are complete, the setup should resemble the example provided. Incoming cables from the mains may have different colors. If uncertain, always seek professional assistance.

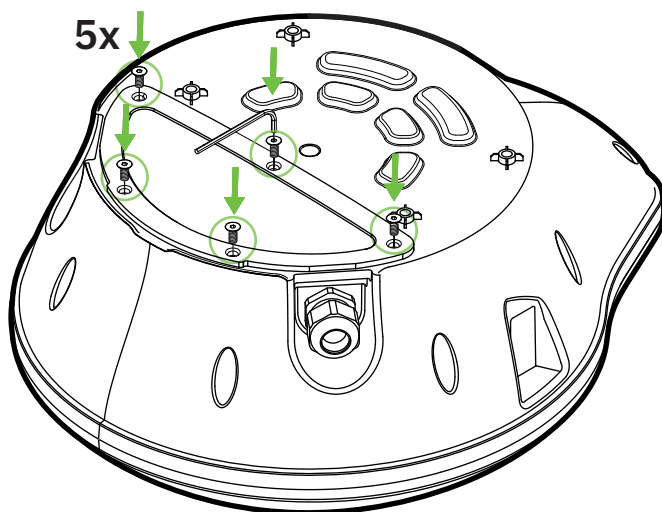


9

After completing the connections, place the terminal cover back in its position.

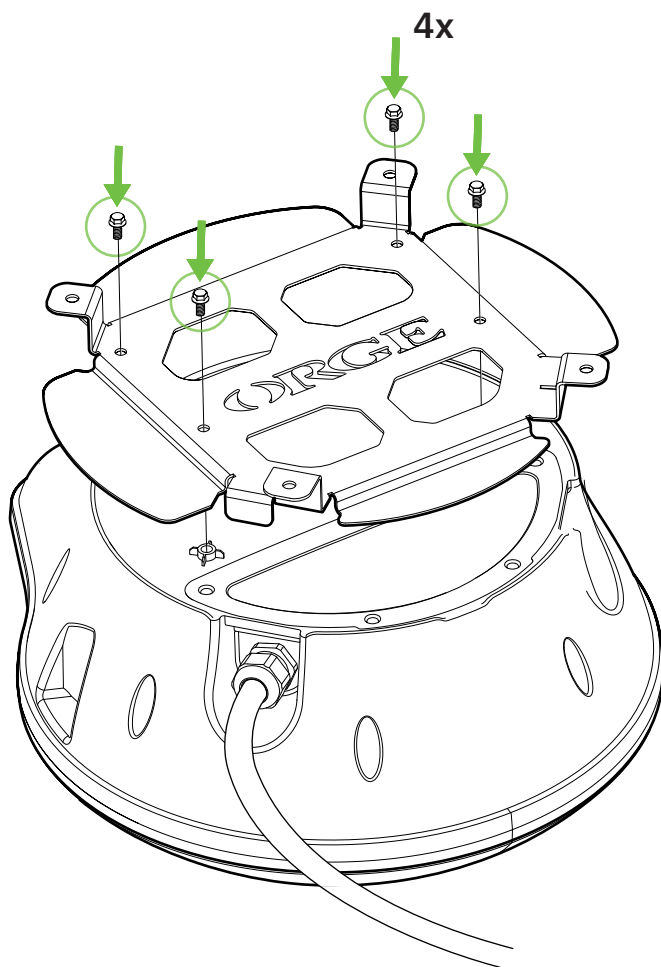
**10**

Tighten the installed terminal cover using a 3 mm Allen key.



11

To attach the mounting bracket to the product, insert M5 hex bolts into the holes indicated in the diagram and tighten them using a combination wrench.

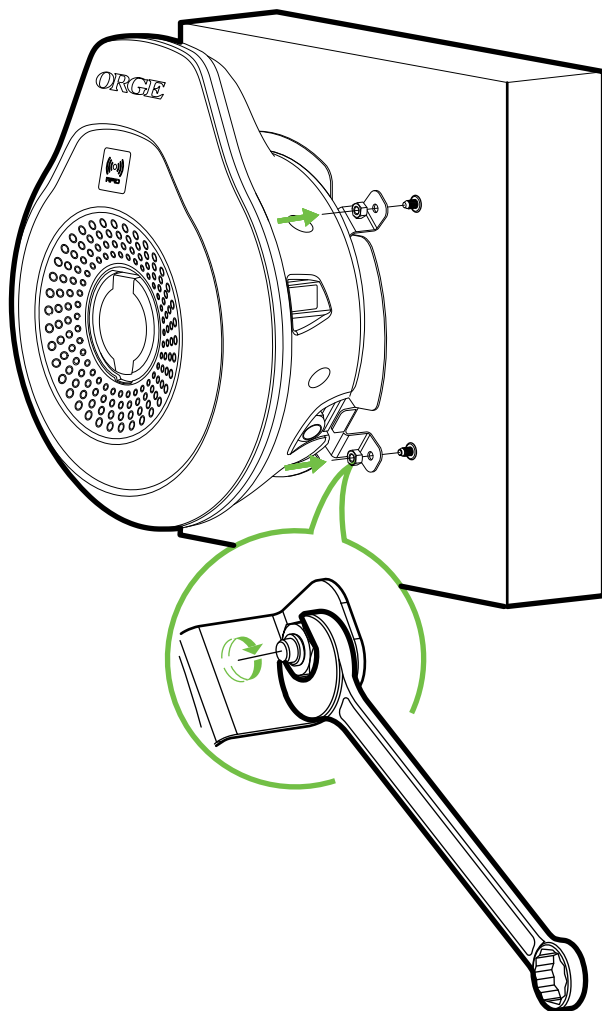


12

After securing the mounting bracket to the body, place the product onto the wall plugs you installed and tighten the nuts.

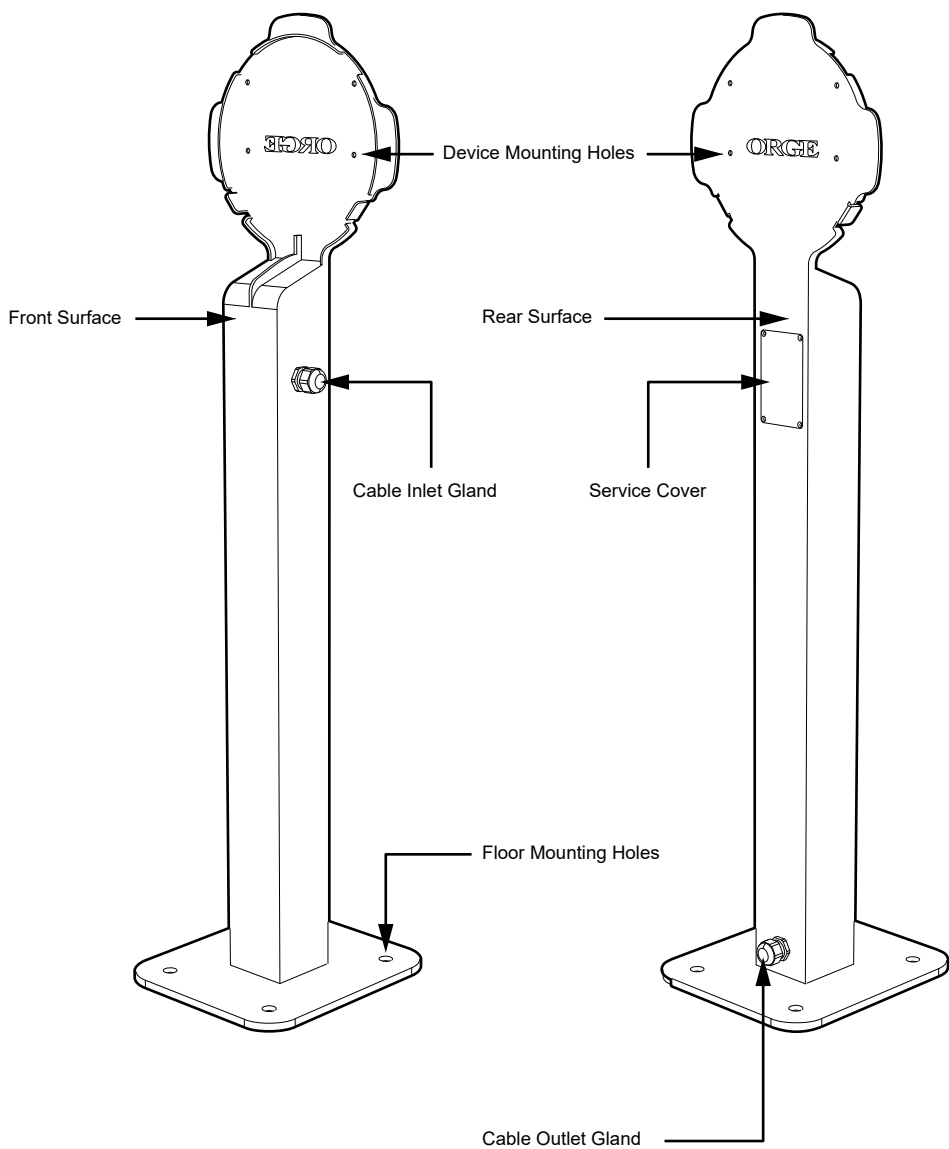


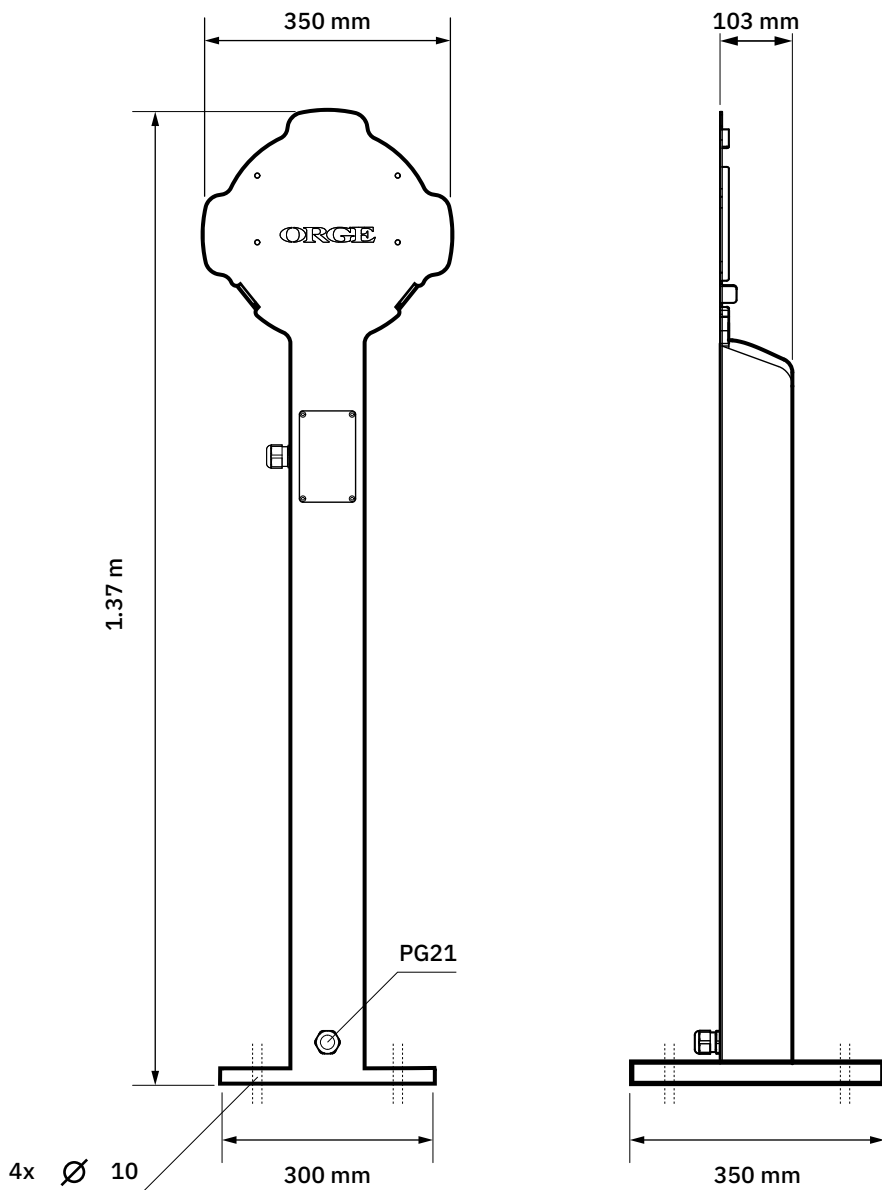
During tightening, apply equal torque to each plug and ensure that each one is fully anchored to the wall.



Stand Installation

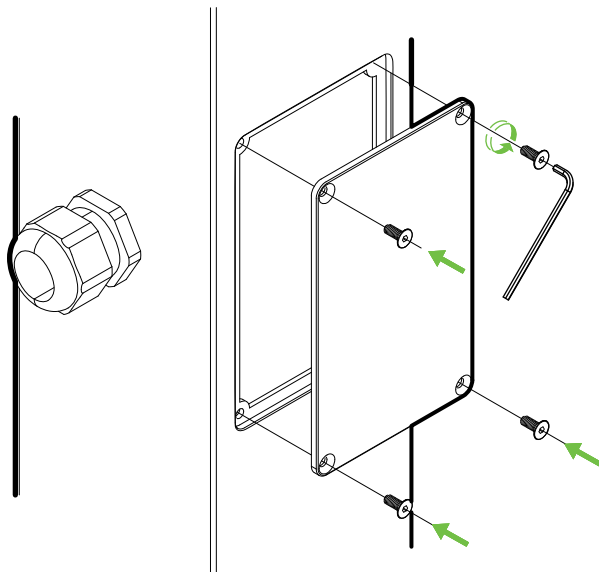






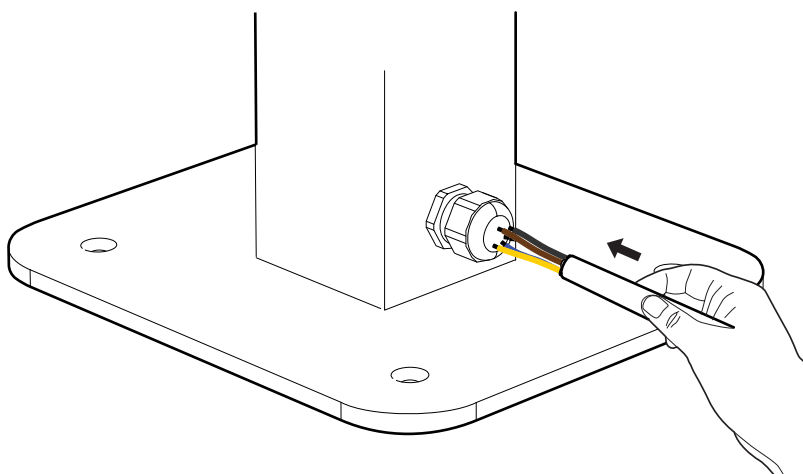
1

Open the service cover located at the back of the stand using a 3 mm Allen key.



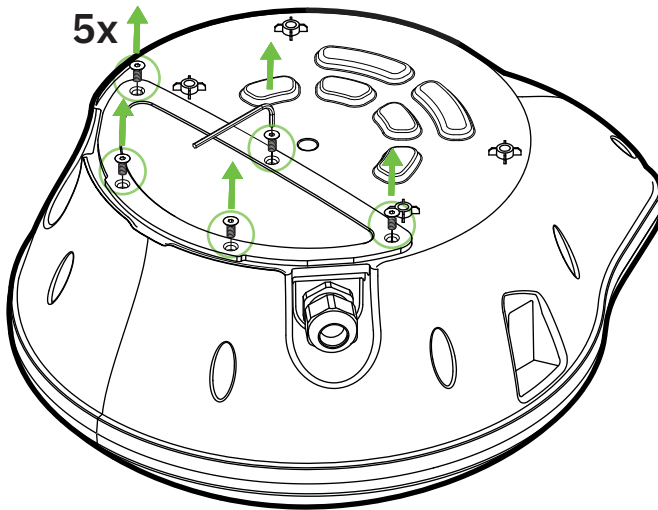
2

Pass the cable coming from your mains supply through the gland located at the bottom of the stand, as shown in the image.

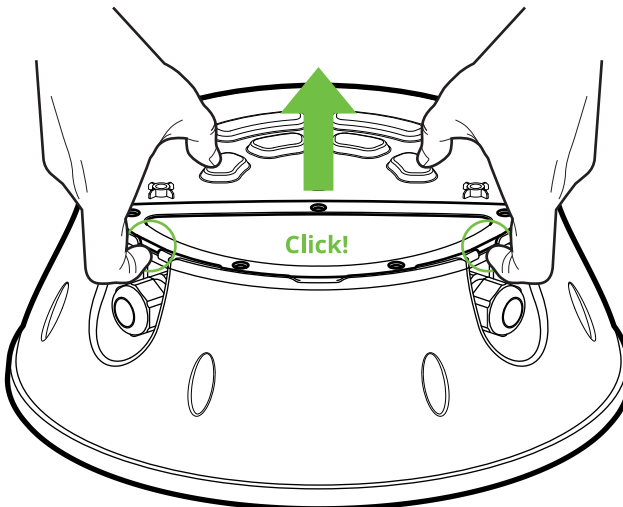


3

Place the rear body upside down on a flat and clean surface, and loosen the terminal cover bolts with a 3 mm Allen key as shown in the picture.

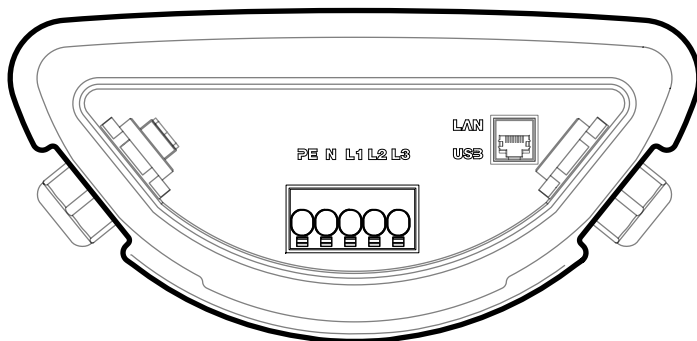
**4**

Lift the terminal cover upward from the notches indicated in the picture.

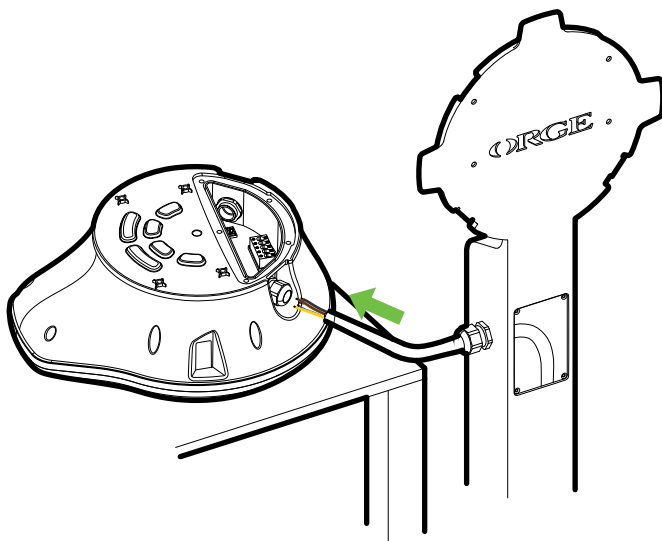


5

The locations of the cable connections within the terminal cover are indicated in the diagram as PE, N, L1, L2, L3, ETHERNET, and USB.

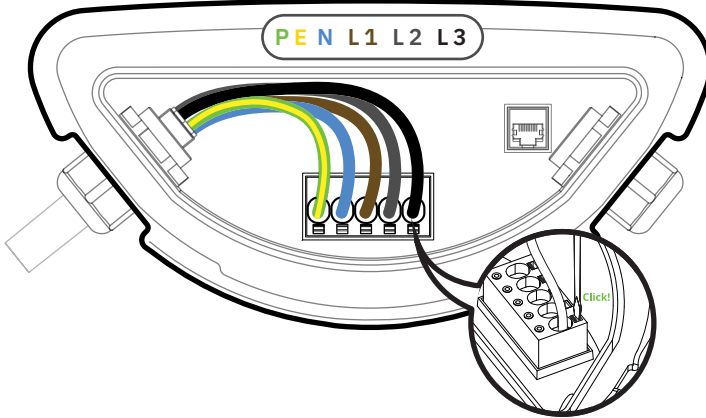
**6**

Pass the cable you removed from the upper gland through the gland again to guide it into the product's terminal slot.

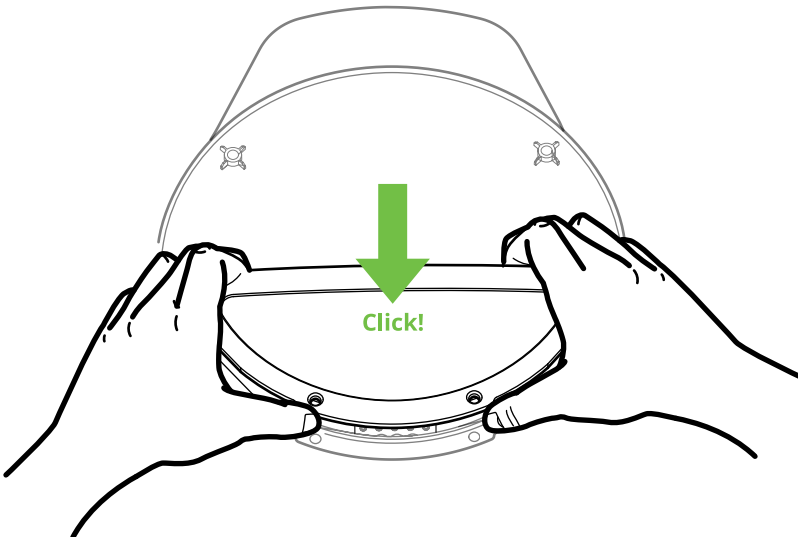


7

Securely insert the cables into the terminal inputs using a flathead screwdriver, as shown in the diagram. Starting with the yellow/green protective earth wire, sequentially insert the Neutral (N), L1, L2, and L3 wires by pressing the orange locks on the terminal with a small screwdriver until they are fully seated. Once all connections are complete, the setup should resemble the example provided. Incoming cables from the mains may have different colors. If uncertain, always seek professional assistance.

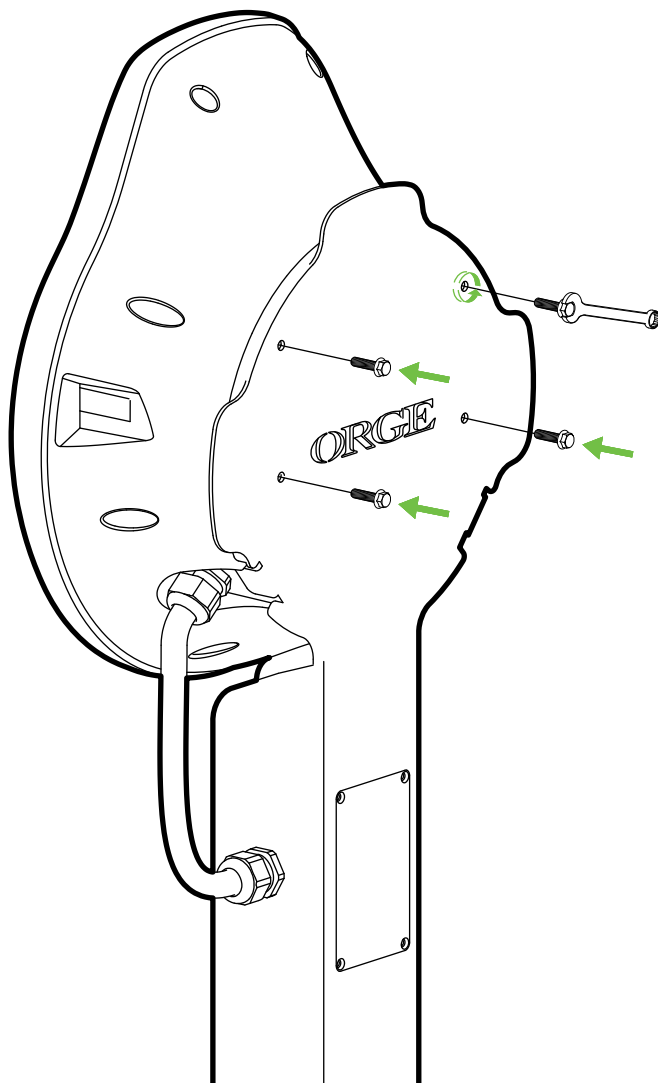
**8**

After completing the connections, place the terminal cover back in its position.



9

After placing the device on the stand, tighten the M5 flanged hex bolts using a combination wrench, as shown in the image



ELECTRIC VEHICLE CHARGING ROUND AC SYSTEMS

Central Office

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