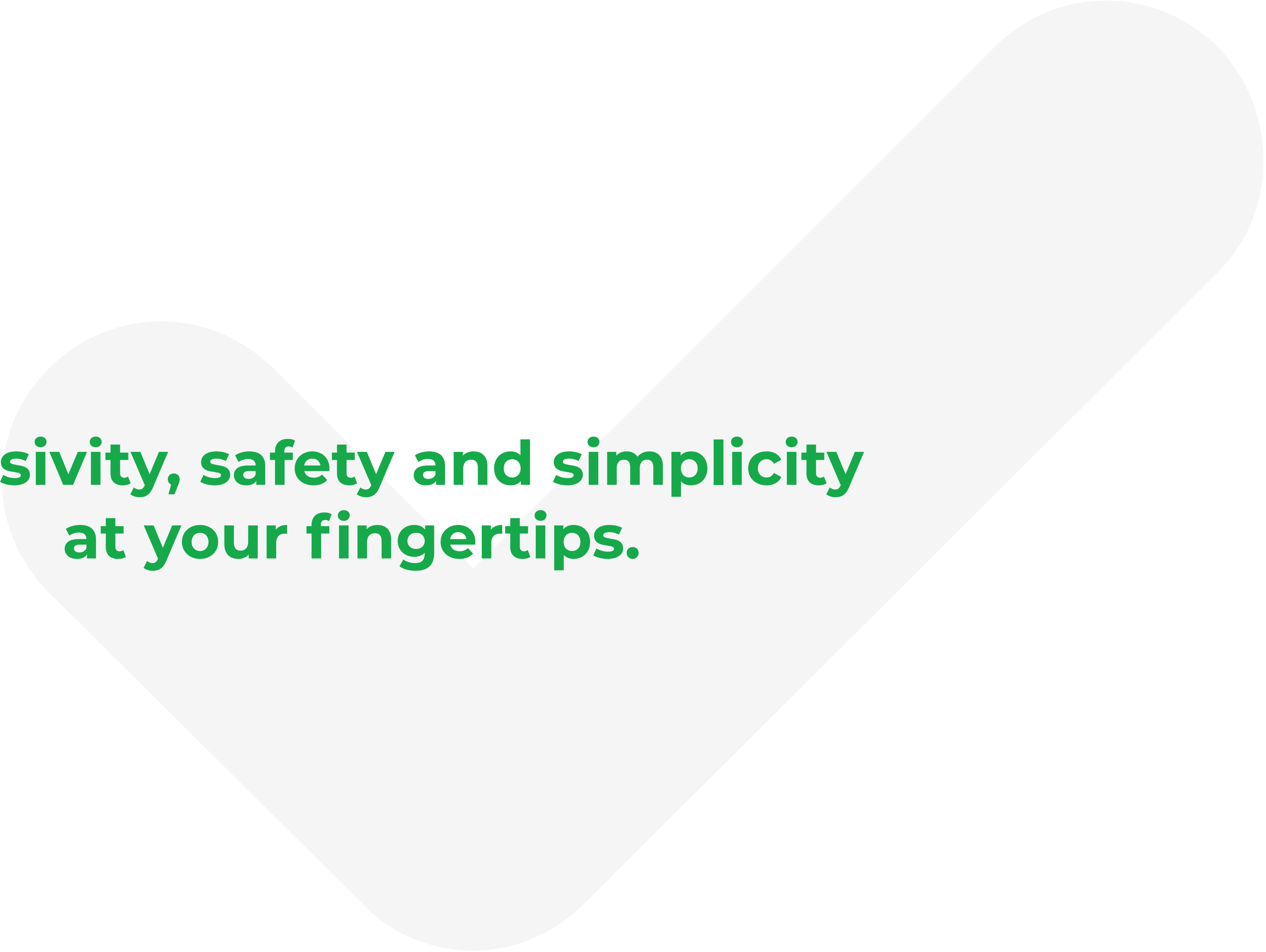




 **Spazio Calmo[®]**



**Inclusivity, safety and simplicity
at your fingertips.**

THE REGULATION

With the introduction of Ministerial Decree 03/08/2015, the Italian regulatory framework underwent a significant transformation. This decree made it possible to bridge the generational gap that had developed over the past twenty years between Italian and European fire safety regulations. The structure of the Code is based on several key principles, including the concept of inclusivity meaning that the different disabilities (e.g. motor, sensory, cognitive, etc.), whether temporary or permanent, of the building occupants must be considered an integral part of fire safety design.

This concept is technically outlined within Strategy S.4 – Egress. Specifically, the designer is required to assess the evacuation system considering the presence of occupants with disabilities. The Decree establishes that, on every floor where there may be a non-occasional presence of individuals who do not have sufficient ability to reach a refuge area independently through vertical escape routes, at least one of the following measures must be provided:

- the creation of refuge areas (so-called ‘spazi calmi’) or
- the implementation of a progressive horizontal evacuation system.

Focusing on the first option, as it is generally more accessible for all types of buildings — including private and less structured ones — it is necessary to analyse the main features that refuge areas must have.

Each refuge area must include:

- a. A two-way communication system, allowing occupants to signal their presence and request assistance. This requirement must be ensured even in simpler facilities those without an emergency control room, switchboard, or reception desk. Thanks to innovative technologies, it is now possible to install devices equipped with 24/7 connection to a dedicated call centre, which is essential to ensure constant assistance from the other end of the line.
 - b. Any equipment intended to assist occupants (e.g. evacuation chair, stretcher, etc.);
 - c. Clear instructions on the actions to be taken while waiting for assistance. In the most advanced systems, these instructions are provided not only in written form but also through audio and video messages, ensuring better understanding of the appropriate behaviour and actions to follow while awaiting rescue.
- The refuge area must be identified by a sign in compliance with UNI EN ISO 7010 – E024, or an equivalent standard.



Spazio Calmo Srl provides an innovative response to regulatory requirements, ensuring the highest level of safety through top-quality products. In particular, we design and manufacture: two-way communication devices, emergency signage, and evacuation chairs.

OUR PRODUCTS:



1. Two-way communication device



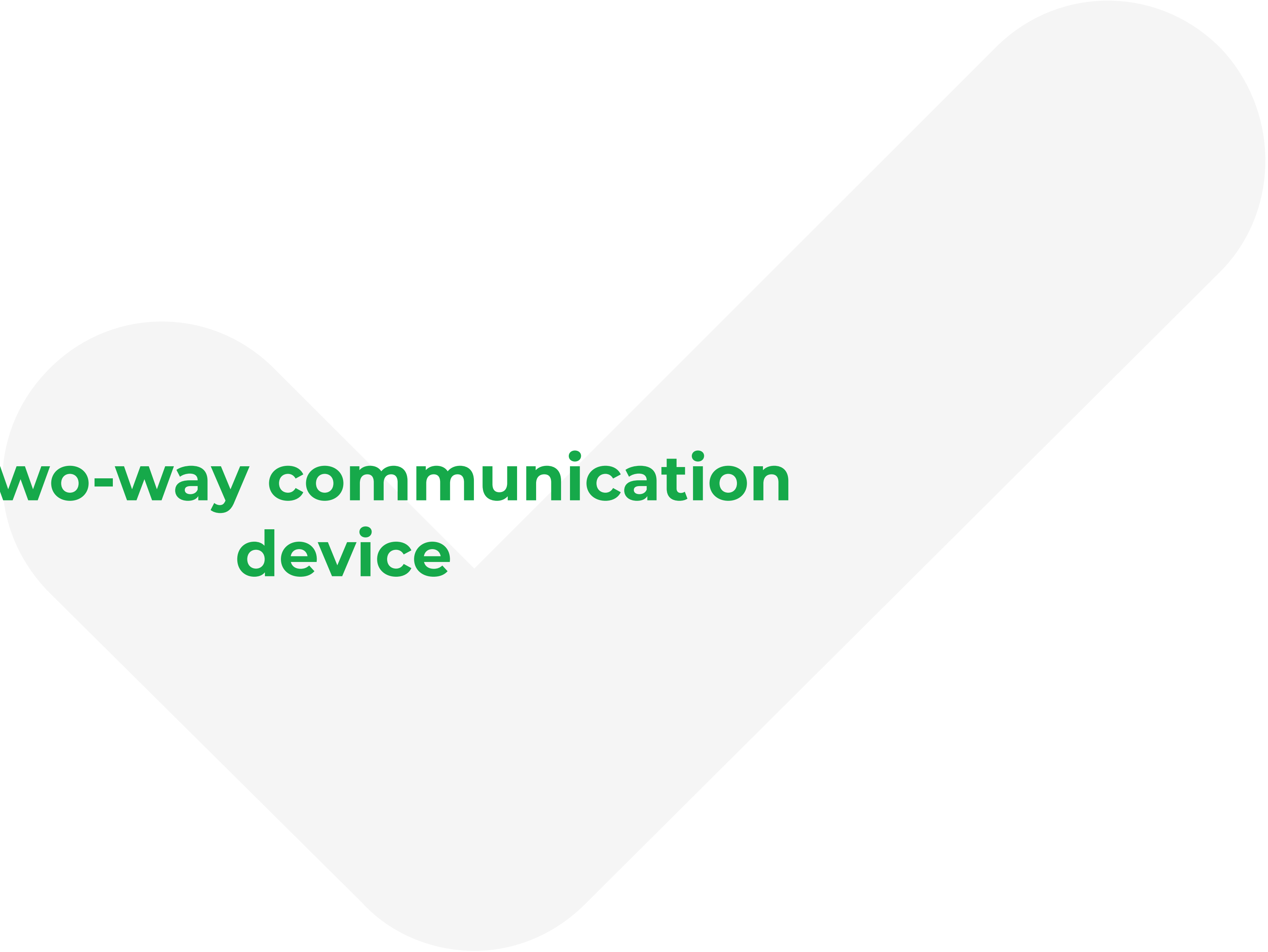
2. GSM Master Station



3. Signage



4. Emergency evacuation chairs



1. Two-way communication device



THE PRODUCT

It is a two-way communication device designed to be installed inside refuge areas.

The Intercom is equipped with an emergency button, a microphone, a loudspeaker, and a graphic touchscreen display. In case of emergency, occupants inside the refuge area can contact one or more phone numbers, which can be customized remotely.

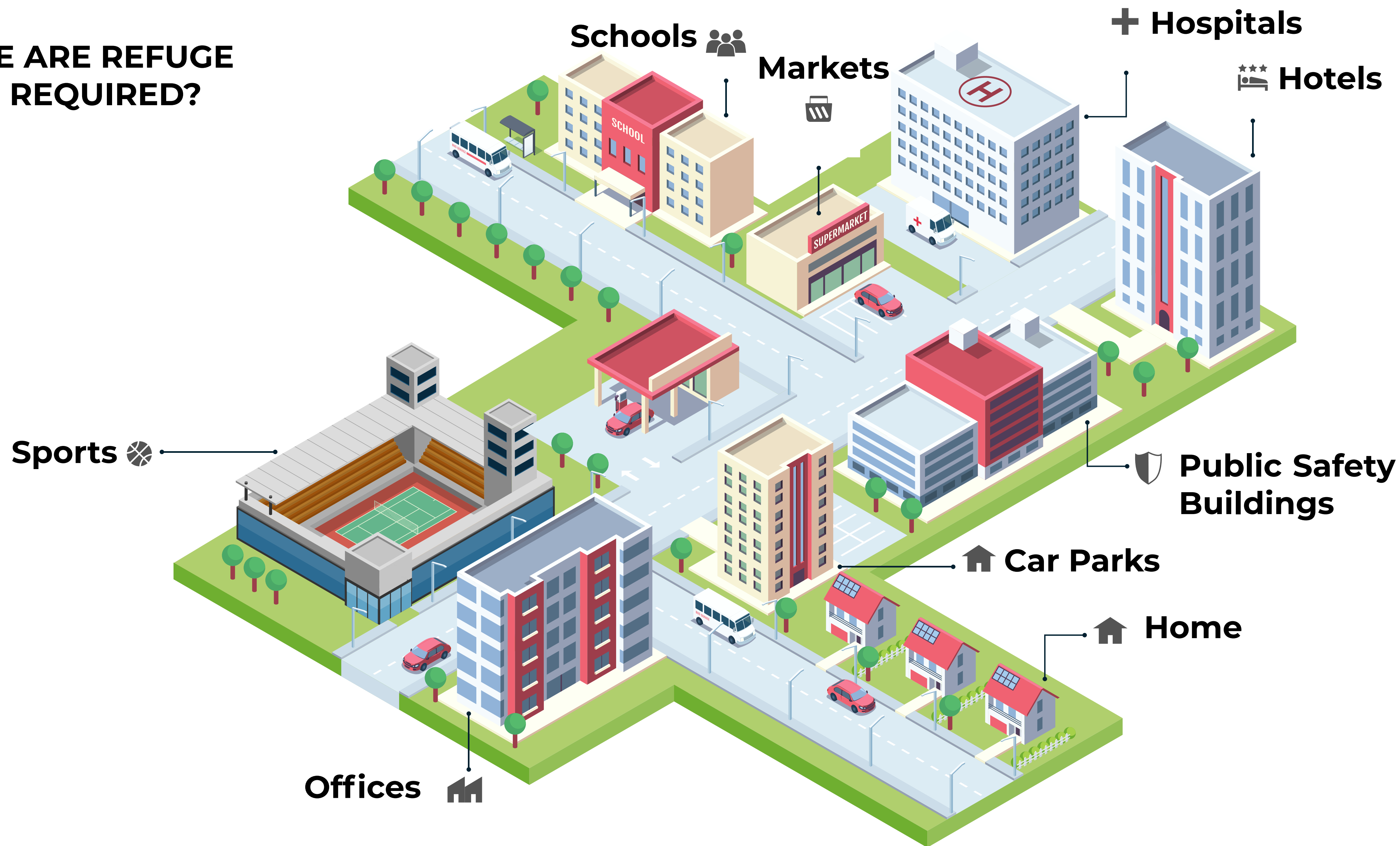
If the preset numbers do not answer, the device automatically connects to our 24/7 call centre. The display and the loudspeakers also provide visual and audio messages with clear instructions and best practices to follow while waiting for evacuation.



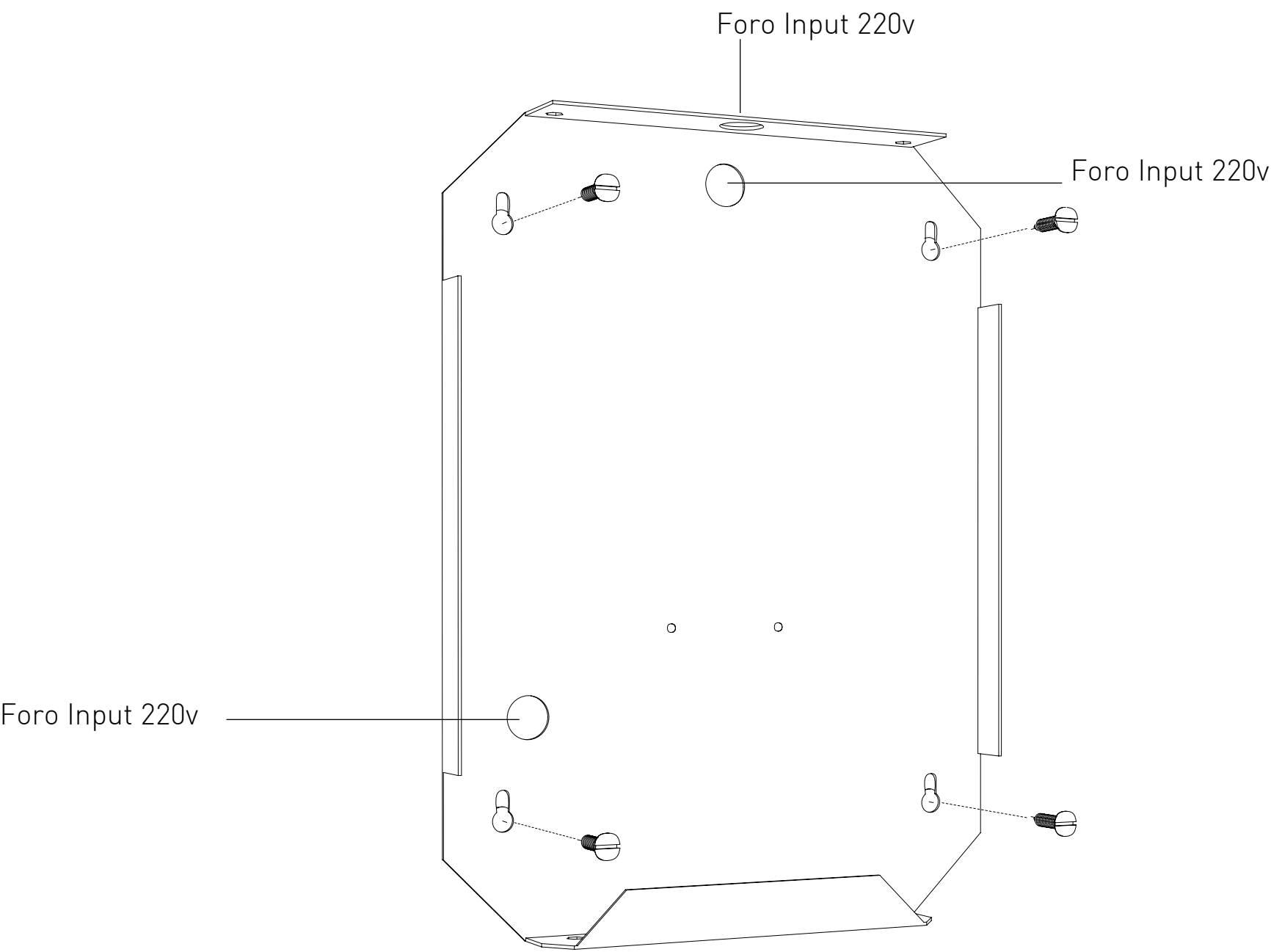
- ✓ **Panic management**
A valuable tool for effectively handling emergency situations, thanks to clear and precise messages and direct communication with our 24/7 call centre.
- ✓ **Plug & Play**
The device only requires connection to the power supply and is immediately ready for use.
- ✓ **Functionality check**
The system performs an automatic functionality check every 72 hours and reports any communication faults in real time.
- ✓ **Made in Italy**
The device is entirely designed and manufactured in Italy.

✓ **Spazio Calmo**[®]

WHERE ARE REFUGE AREAS REQUIRED?

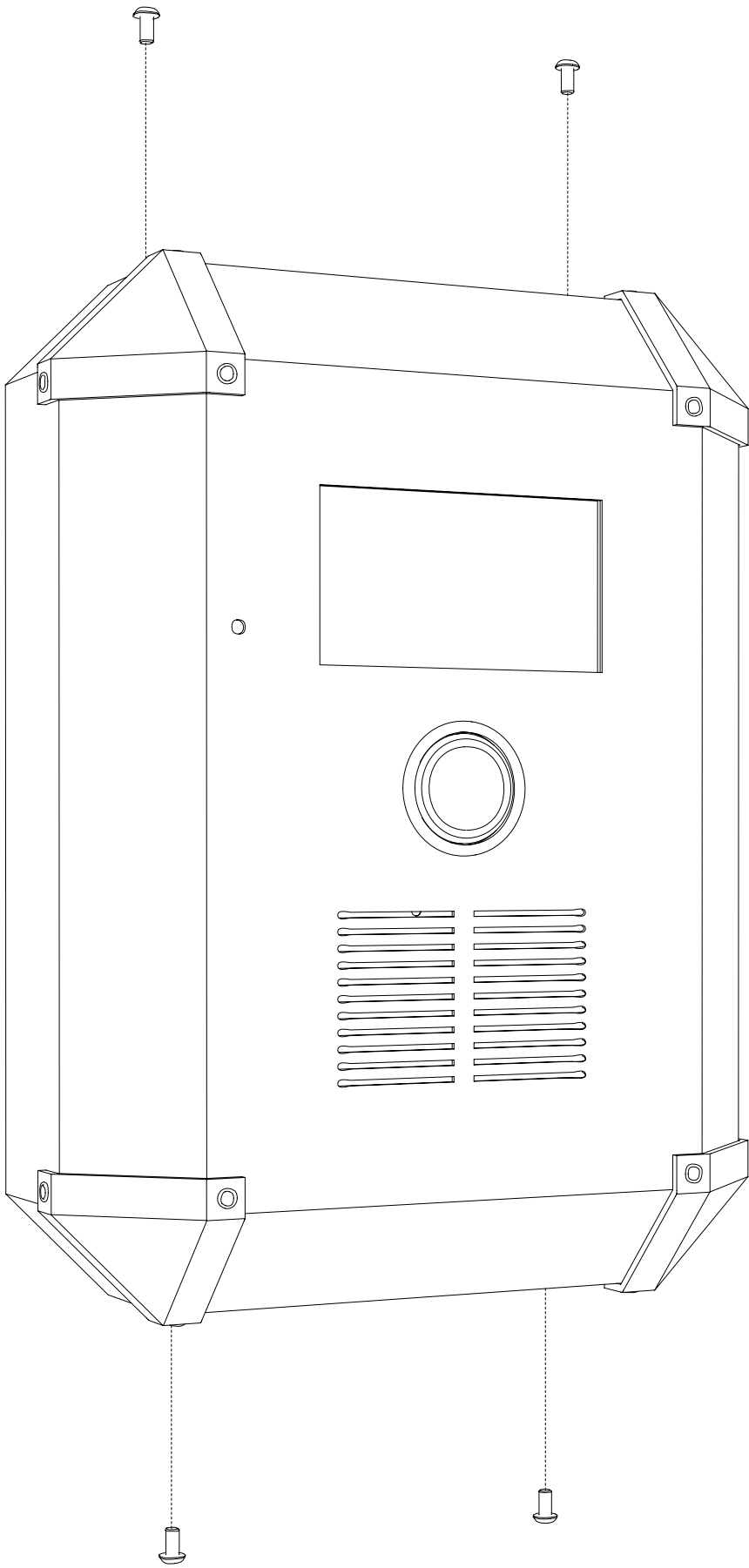


EASY INSTALLATION



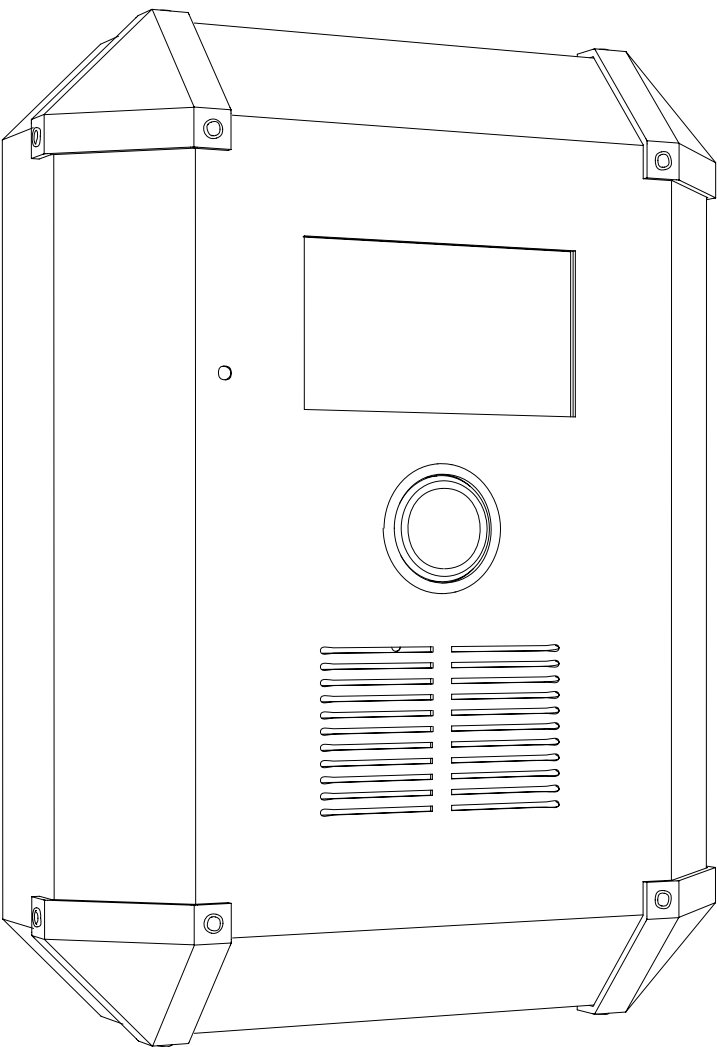
1. Wall Plate mounting.

The plate is easily fixed to the wall using four Fischer-type plugs. The power connection can be made either through the two holes located on the plate surface or from the top using a conduit.



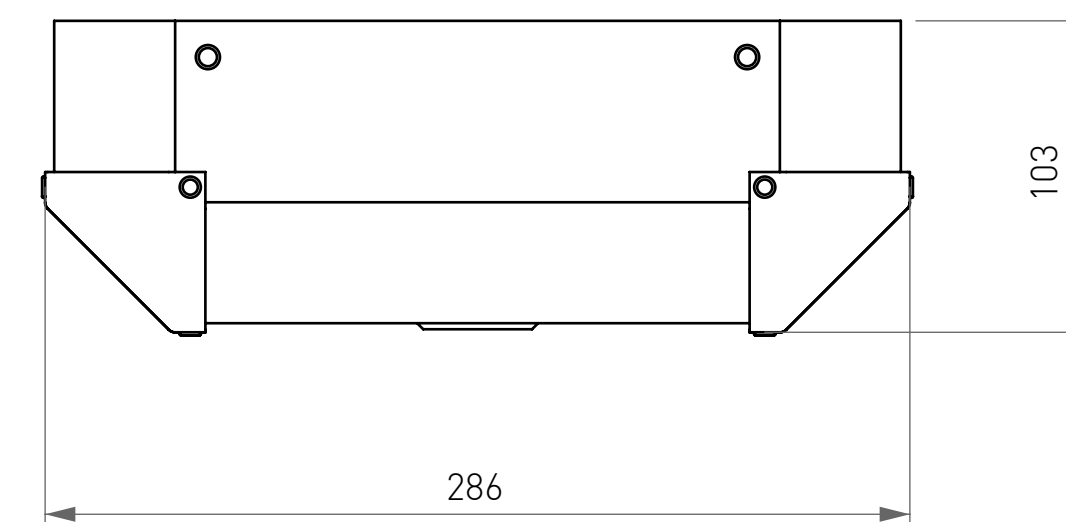
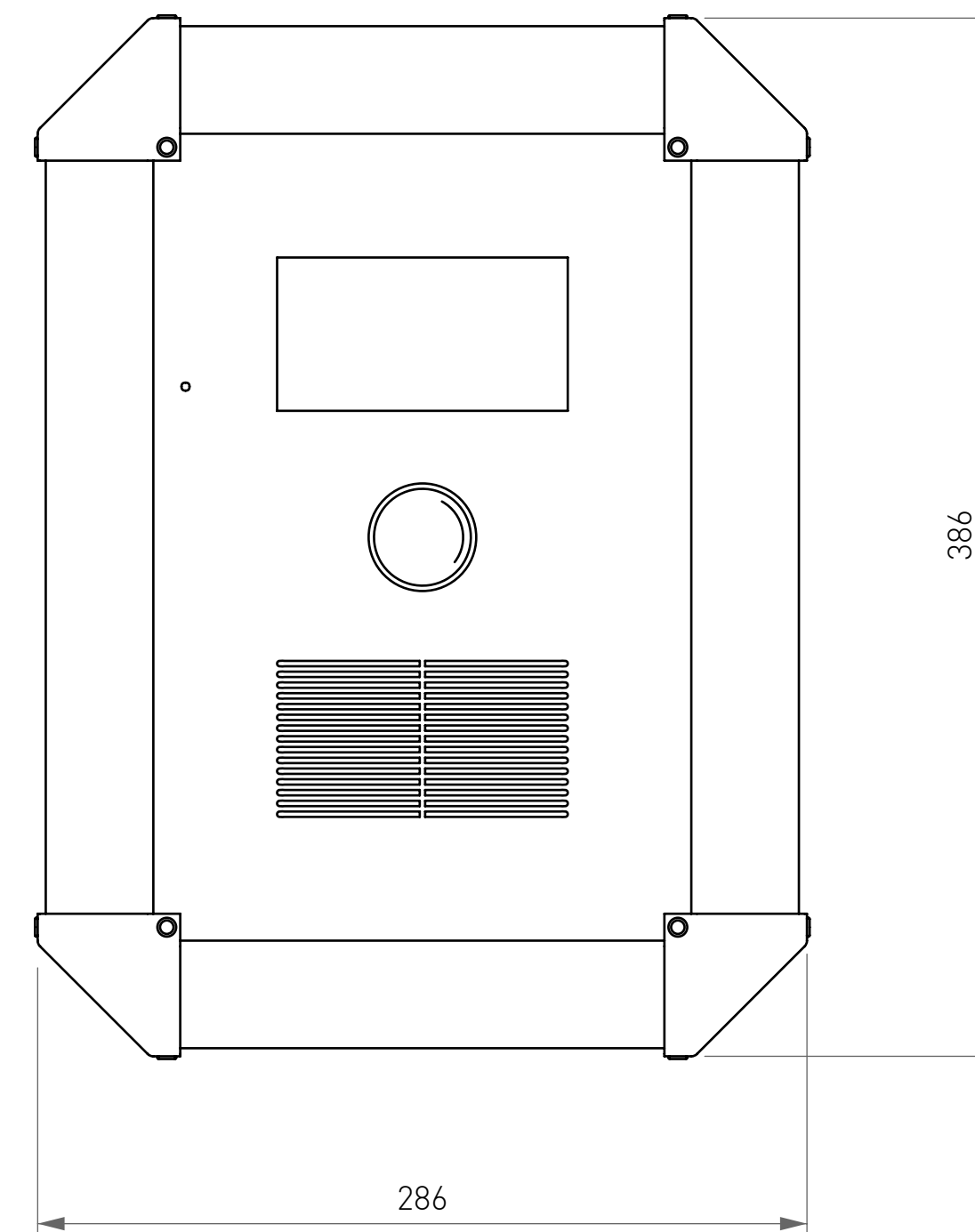
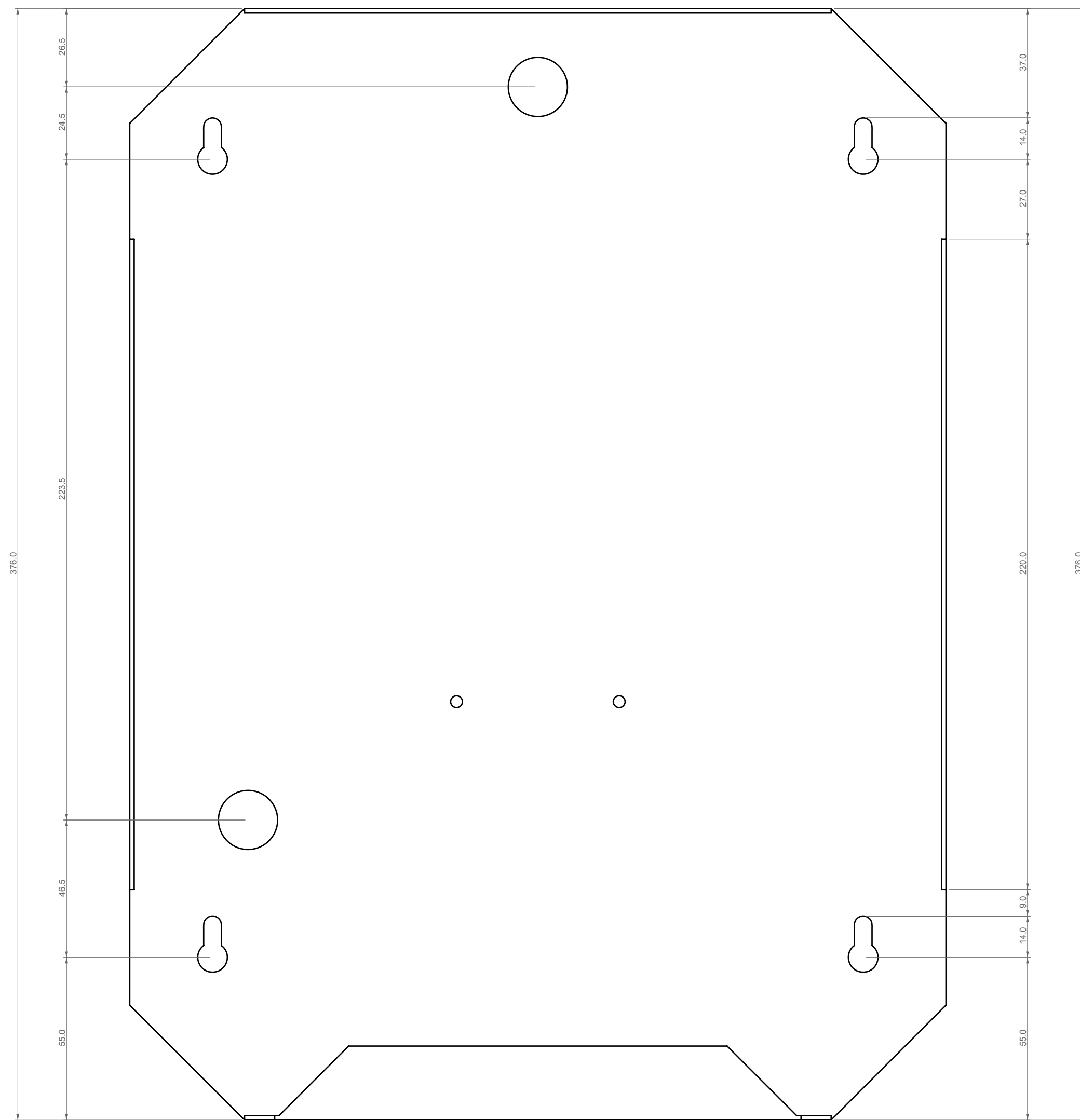
2. Front panel installation.

The front panel is secured to the wall with four screws, as shown in the diagram.



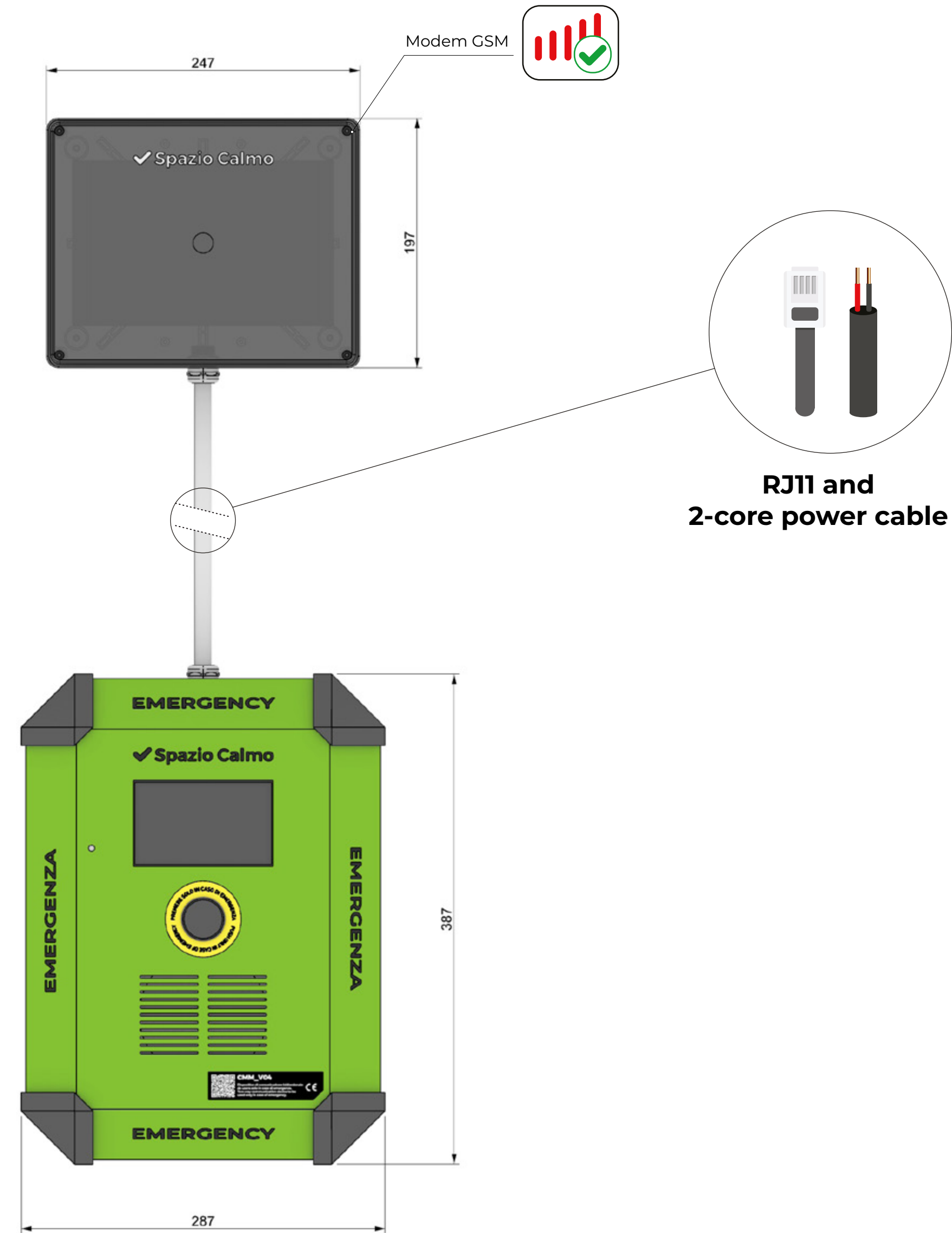
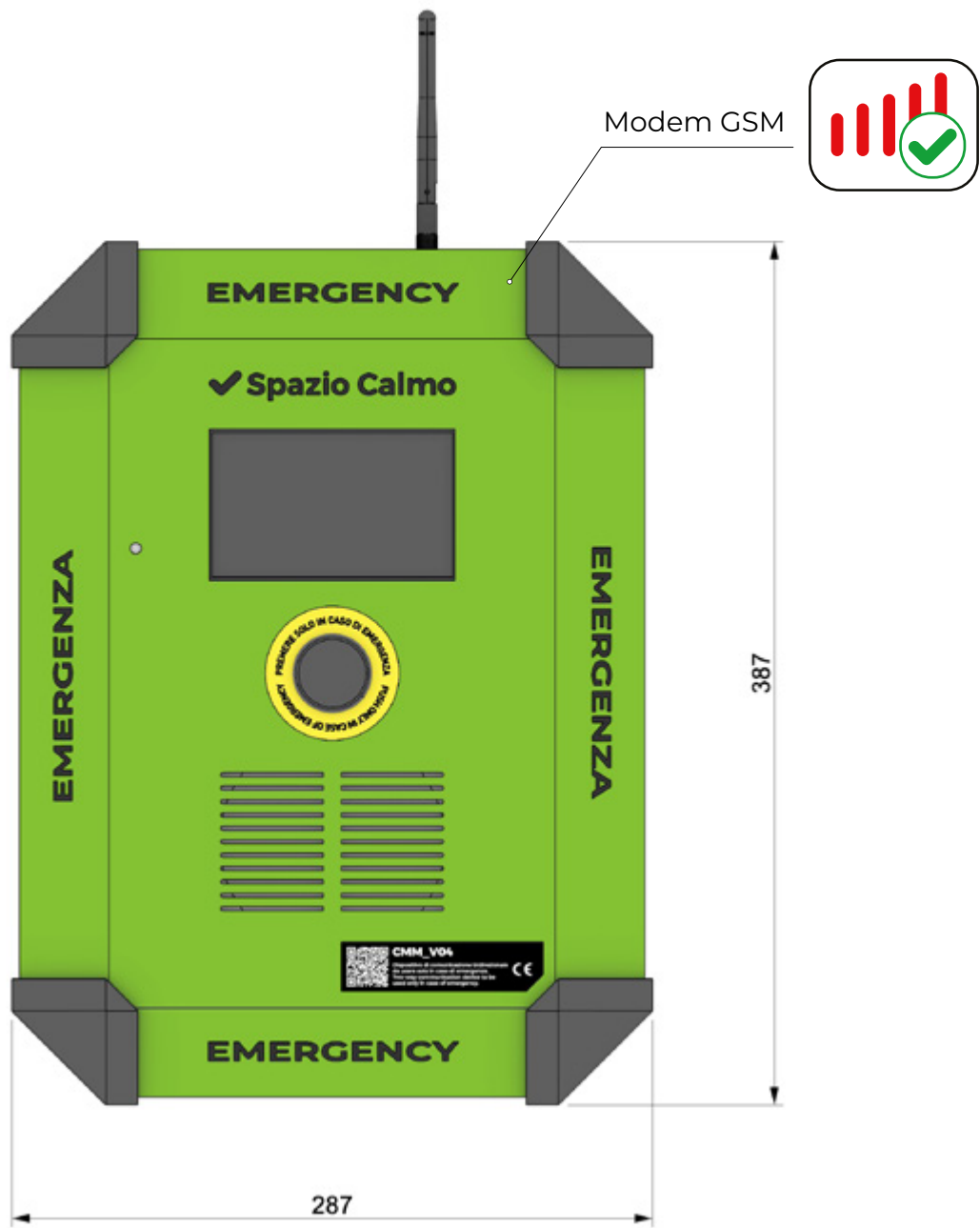
3. Plug & Play.

At this point, simply connect the power supply to make the device fully operational (100%).



INTERNAL OR EXTERNAL GSM MODEM?

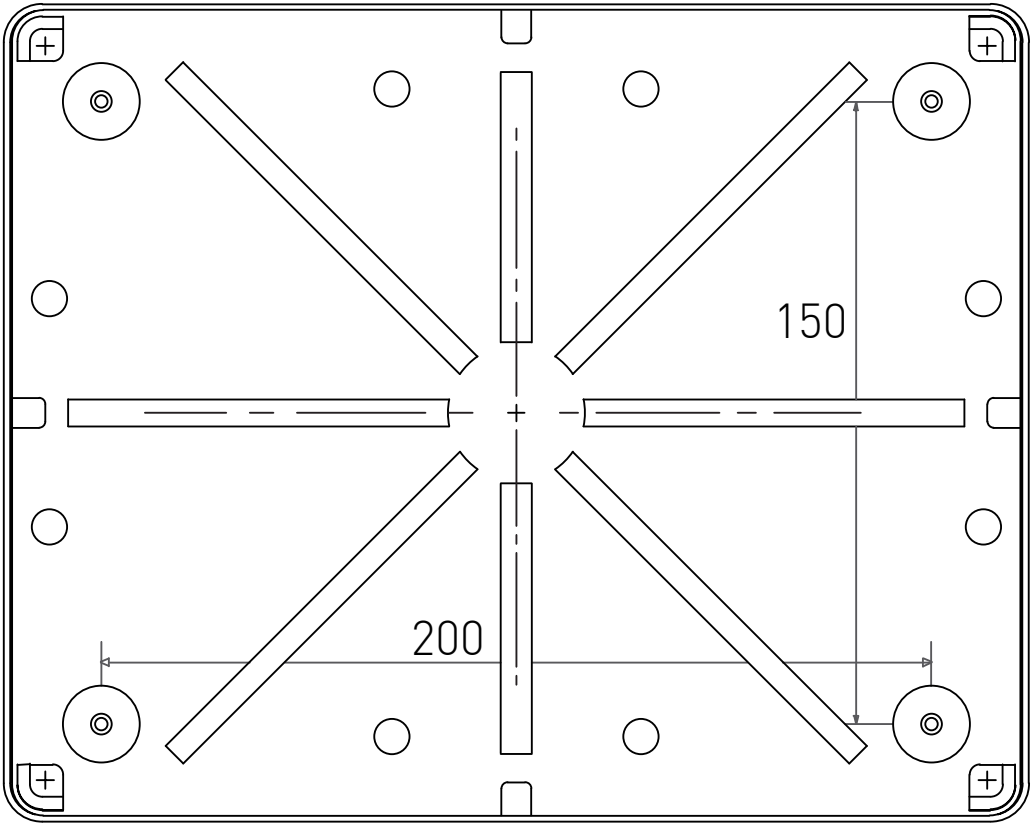
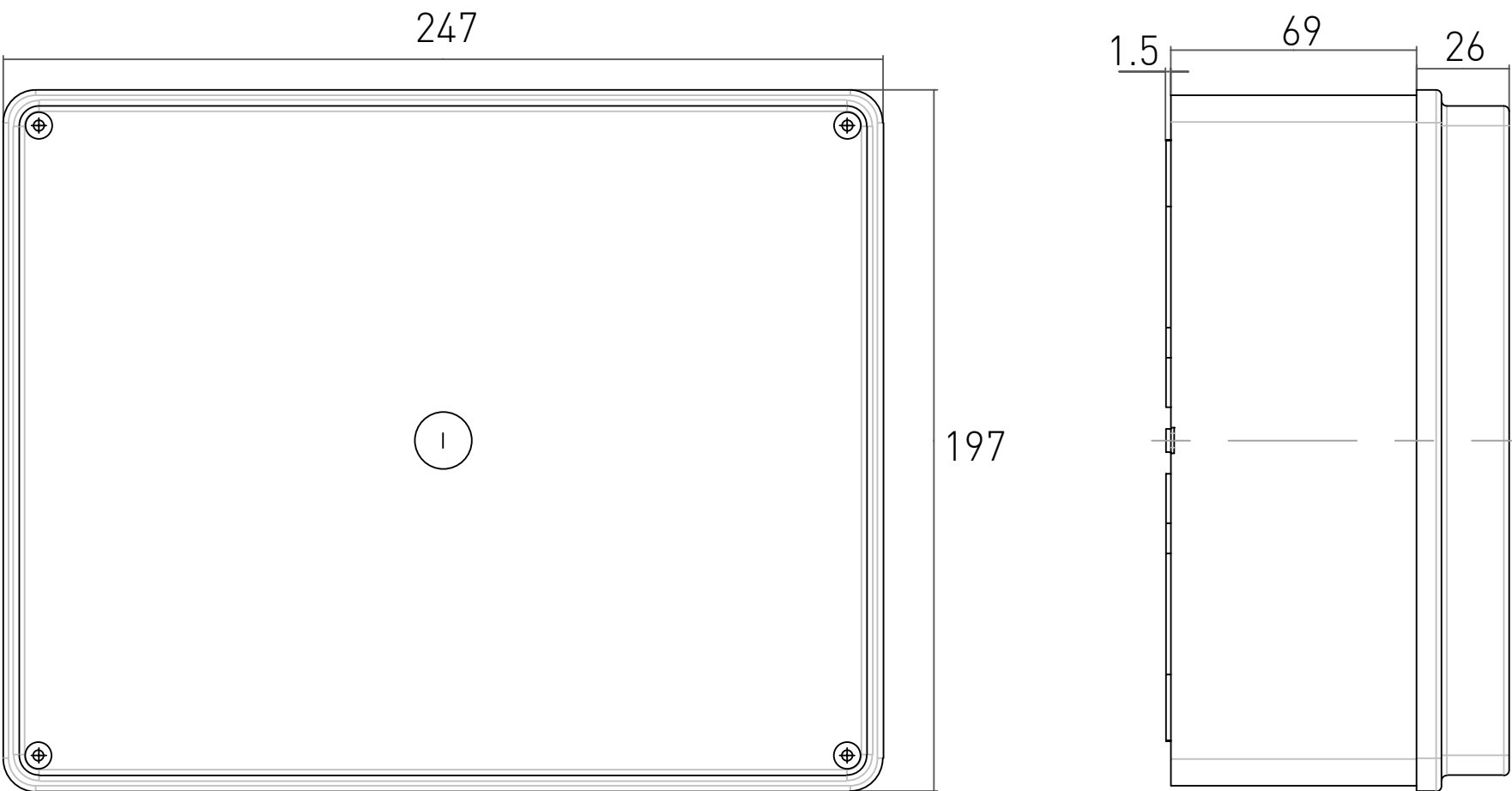
The device can be installed in two different configurations: with either an internal or an external GSM modem. The internal GSM modem configuration is recommended when the installation site has adequate GSM signal coverage. If GSM signal is weak or unavailable (for example, in basement installations), we recommend using the external GSM modem configuration. The modem can be installed inside a junction box supplied by us, up to 50 metres away from the communicator. It must be connected to the communicator using a data cable (RJ11) and a two-core power cable.

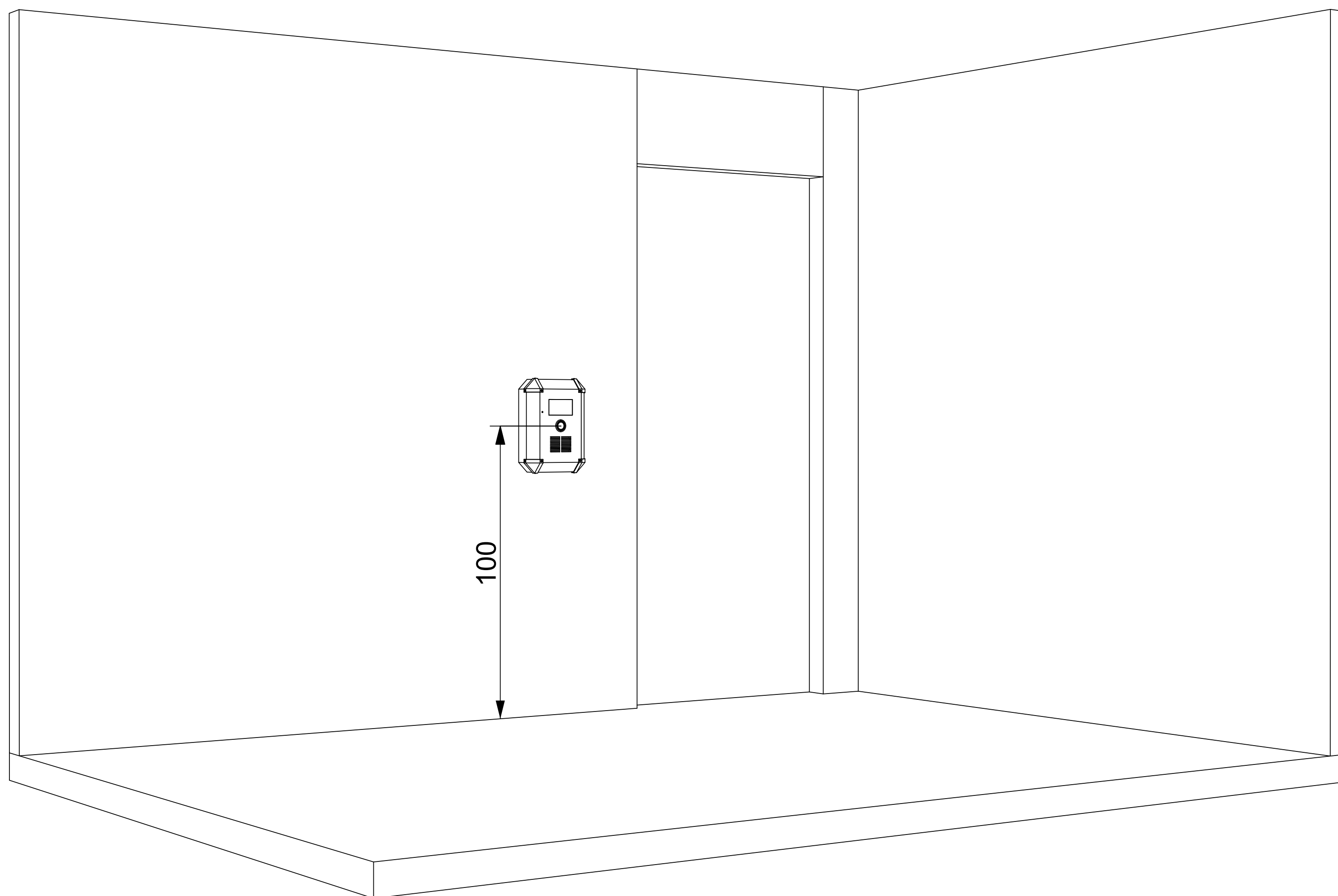


EXTERNAL GSM MODEM KIT

In case there is no GSM signal at the communicator’s installation point, the modem can be remotely positioned up to 50 metres away. The modem is housed inside a junction box (supplied by us) with a transparent front cover, allowing LED indicators to be easily read without opening the enclosure.

Technical Features	
Cable entry	Smooth walls
Height	197 mm
Width	247 mm
Depth	95 mm
Box material	Thermoplastic
Cover fastening	Metal screw
Color code	RAL 7035
Color	Grey
Front panel type	Transparent
Environment	
IP protection rating	IP56
IK protection rating	IK08
Fire resistance	650 °C glow-wire test
Ambient temperature	-15...60 °C
Product certifications	IMQ

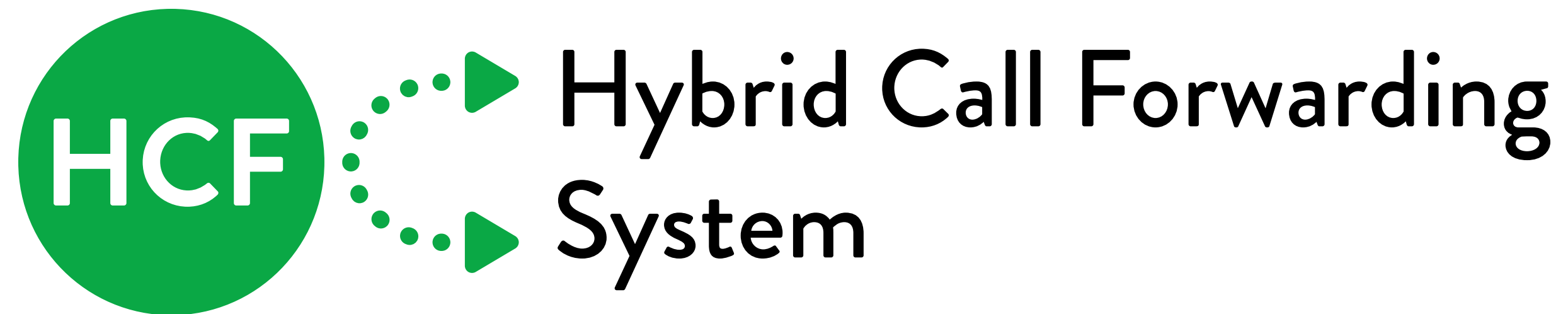




✓ **Product accessibility.**

To ensure full accessibility, the communicator must be installed so that the emergency button is positioned at a height of 100 cm from the floor.

WHODOESTHEDEVICECALL?



1. One or more numbers of your choice:

The device can be configured to call up to five phone numbers in sequence, freely selectable and remotely programmable.

2. The GSM receiving station:

The call can be set to reach the GSM receiving station located in a manned area

3. Our Call Center

Our 24/7 call centre service provides continuous support - the ideal solution for residential buildings, condominiums, or car parks without a staffed control point.

OUTDOOR REFUGE AREA? NO PROBLEM!



IP66 PROTECTION

A refuge area may be located in an outdoor zone exposed to rain or other weather conditions. For this reason, we have developed two accessories that make it possible to install the communicator wherever needed.

Whether it's a wall-mounted or column-mounted installation, our device can be placed inside one of two IP66-certified enclosures, designed to protect the unit without compromising signal quality.

This means you can install the communicator virtually anywhere!

2. GSM RECEIVING STATION

GSM RECEIVING STATION



Motorola FW200L

Our system does not require a dedicated receiving station, since any terminal capable of receiving a GSM call (e.g. reception desk phone, security guard’s mobile, etc.) can serve this purpose. However, we recommend our tested and high-performance GSM receiving unit. It does not require any data connection, as it operates entirely over the GSM network and only needs a power supply.

You can store the phone numbers of all refuge area communicators installed in the building and assign speed-dial keys for direct communication with each device.

BRAND	Motorola
Design	DECT phone with corded handset
Mounting type	Desktop
Product color	Black
PHONE FEATURES	Hands-free phone
Phonebook capacity	1000 entries
SMS	Yes
Microphone mute mode	Yes
CALL MANAGEMENT	Yes
Caller identification	Yes
Redial	Yes
Redial list capacity	20
Conference call capability	Yes
Call waiting	Yes
Calling line identification presentation (CLIP)	Yes
Speed dialing	Yes
Call list capacity	20
Call on hold	Yes
Call duration display	Yes

3. Signage



THE SIGN

We supply the mandatory signage required by current regulations to ensure proper identification and location of the nearest refuge area.

4. Emergency evacuation chairs

THE PRODUCT

Model EM001 is a motorized evacuation chair designed to assist the safe evacuation of people with disabilities in case of emergency. It allows the operator to manoeuvre effortlessly while ensuring maximum comfort and safety for the user. The chair is equipped with two pairs of handles to guarantee optimal handling in compliance with safety standards, and an electric motor that facilitates movement on stairways. Its foldable and lightweight aluminium alloy frame makes it easy to handle and store, even in narrow spaces such as a refuge area.

MODEL	EM001
Product dimensions (LxWxH)	123x55x100 / 160 cm
Folded product dimensions (LxWxH)	107x55x31 cm
Maximum load capacity	200 kg
NET WEIGHT	30 Kg
GROSS WEIGHT	45 kg
Overall depth	104 cm
Overall width	46 cm
Seat dimensions	40x50 h50 cm
Battery voltage	24 V
Speed on stairs	1.7 seconds per step





✓ **Spazio Calmo[®]**

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