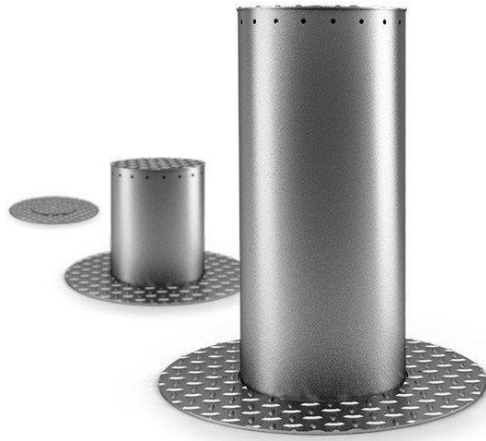


Parklio™ Bollard

User manual



Trademarks

Parklio™ is a trademark of Amplifico d.o.o.

Other brand and product names are registered trademarks or trademarks of their respective holders.

Statement of Conditions

In the interest of improving internal design, operational function, and/or reliability, Parklio™ reserves the right to make changes to the products described in this document without notice. Parklio™ does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

Thank you for the confidence you have shown us by purchasing our Parklio Bollard.



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Thank you for the confidence you have shown us by purchasing our product!

Please read this manual first!

Dear Customers,

We hope that all your expectations of this product will be fulfilled. Parklio™ Bollard is manufactured using the latest technologies and has undergone rigorous quality control procedures.

The User Guide will help you use your product quickly and safely.

Read the user manual before installing and using your product.

Always follow the safety instructions.

Keep this user manual at hand for future reference.



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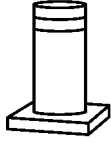

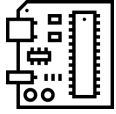
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1. Package Contents

The product package should contain the following items:

	Parklio™ Bollard
	2.4 GHz Antenna
	Control board with the embedded Parklio Brain

If any of the parts are incorrect, missing, or damaged, contact your Parklio™ dealer. Keep the carton, including the original packing materials, in case you need to return the product for repair.



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2. Warning to the users

CAUTION: It is important for your safety that these instructions are followed. The installation or misuse of this product may cause personal injuries or material damages.

Keep these instructions in a safe place for future reference.

This product was designed and produced strictly for the use indicated in this manual. Any other use other than the ones expressly indicated may damage the product and/or be a source of danger, invalidating the warranty.

Amplifico d.o.o. (Parklio) is not liable for the incorrect use of this product, or another use other than the one for which it was designed.

Amplifico d.o.o. (Parklio) is not liable if the safety standards were not taken into account when installing the equipment to be automated, or for any deformation that may occur to it.

Before the installation, turn off the power supply.

Amplifico d.o.o. (Parklio) is not liable for the safety and proper installation of the product when used components that are not sold by itself.

Do not make any changes to the motor components and/or accessories.

The installer should inform the customer how to operate the product in emergencies and provide him with a manual of use.

Keep the remote control out of reach of children, preventing the bollard to operate accidentally.

The customer shall not, in any circumstance, attempt to repair or tune the bollard. For this purpose, he must call a qualified technician.

Connect the bollard to a 230V power supply, with ground wire.

The equipment is determined for outdoor use.



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3. Features

This high-quality hydraulic security bollard will guarantee the safety and it represents an ideal solution for entrance with high-security requirements. With an intensive operative cycle, Parklio™ Bollard is designed to withstand high car flows thus economically and efficiently securing parking places in just a few seconds. The hydraulic movement of this security bollard is the most reliable technology for extremely intense use at all temperatures and weather conditions. Operated via smartphone this bollard has a rise and fall time of just 6-7 seconds.

Besides being smart and resistant, it is also customizable on-demand with every color.

Features

- Smartphone controlled, operated via a free app (Android & iOS)
- Intensive use
- Hydraulic motorization
- Made with a special motor to be faster and more durable in time
- Designed for continuous use with 100% duty rating
- Possibility of integration with other systems
- Auto-close option upon departure of the vehicle
- Additional LED lights safety system



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4. Warning to the Users

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- Do not make any changes to the motor components and/or accessories.
- The installer should inform the customer how to operate the product in emergencies and provide him with a manual of use.
- Keep the remote control out of reach of children, preventing the bollard to operate accidentally.
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5. Bollard Installation

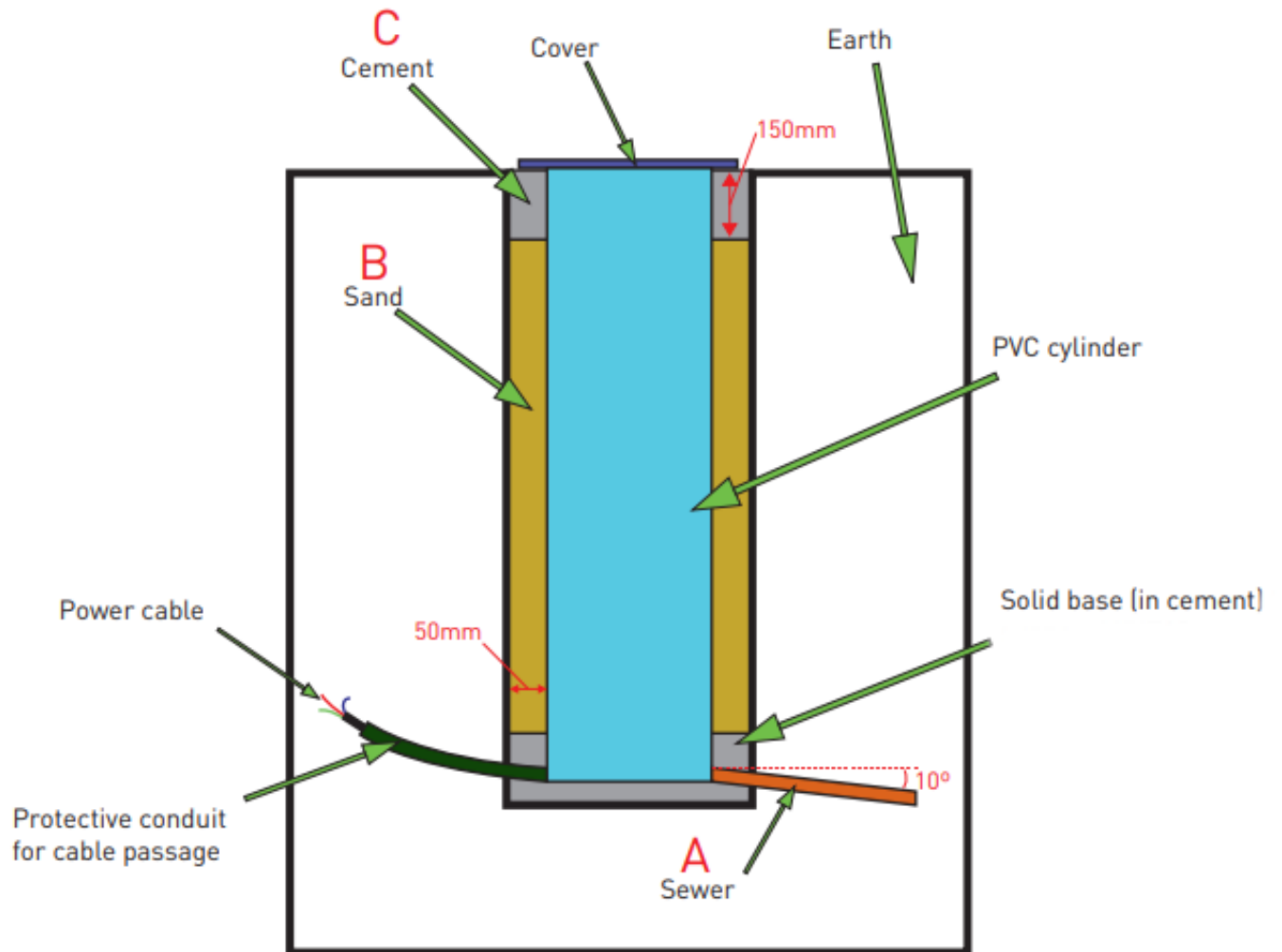


Figure 5.1 - Bollard Scheme



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1. **IMPORTANT!** Place the sewer (Fig. 5.1, **A**) with a minimum declination of 10°.
2. Make a solid cement base to support Parklio Bollard
3. To install the bollard, you can dismount the cover, making the process much easier. To do that, you must remove the 6 screws furthest from the center, marked at red in Fig. 5.2.
IMPORTANT: Do not touch the screws marked at green!
4. Next, remove the cover as shown in Fig. 5.3 and place the bollard in the hole Fig. 5.5.
Note that no waste or other objects fall into the inside of the bollard protecting the space using a piece of cloth, paper or other material serving as a seal between the stainless steel tube and the PVC pipe (Fig. 5.6) .
5. Put the sand (Fig. 5.1, **B**) around the bollard, for better accommodation.
6. Make a finish with a concrete as shown in Fig. 5.1 **C**.
7. After placing the bollard in the hole and finishing the pavement around it, remove the material used for sealing and place the cover (Fig. 5.3) in the bollard, fixing it with the six screws removed early in the process.
8. The bollard and its cover must be aligned as shown in Fig. 5.4
9. The control box must be installed in a place near the bollard, at a minimum height of 20cm from the ground.
10. If the distance from the control box to the Parklio bollard is bigger than 10 meters, use a 2.25mm power cable.





Figure 5.2 - Bollard cover



Figure 5.3 - Removing the bollard cover

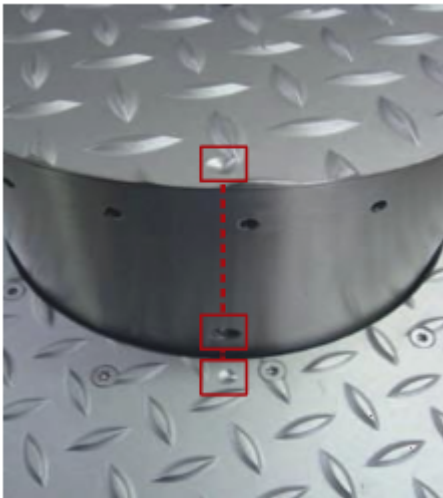


Figure 5.4 - Bollard alignment



Figure 5.5 - Bollard placed in a hole



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Figure 5.6 - Sealing the bollard

6. Power cable insulation



Figure 6.1 - Power cable of the Parklio Bollard

- Power cable of the Parklio Bollard can not be in the direct contact with the soil
- A protective conduit must be used for the underground cable passage!



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7. Dimensions

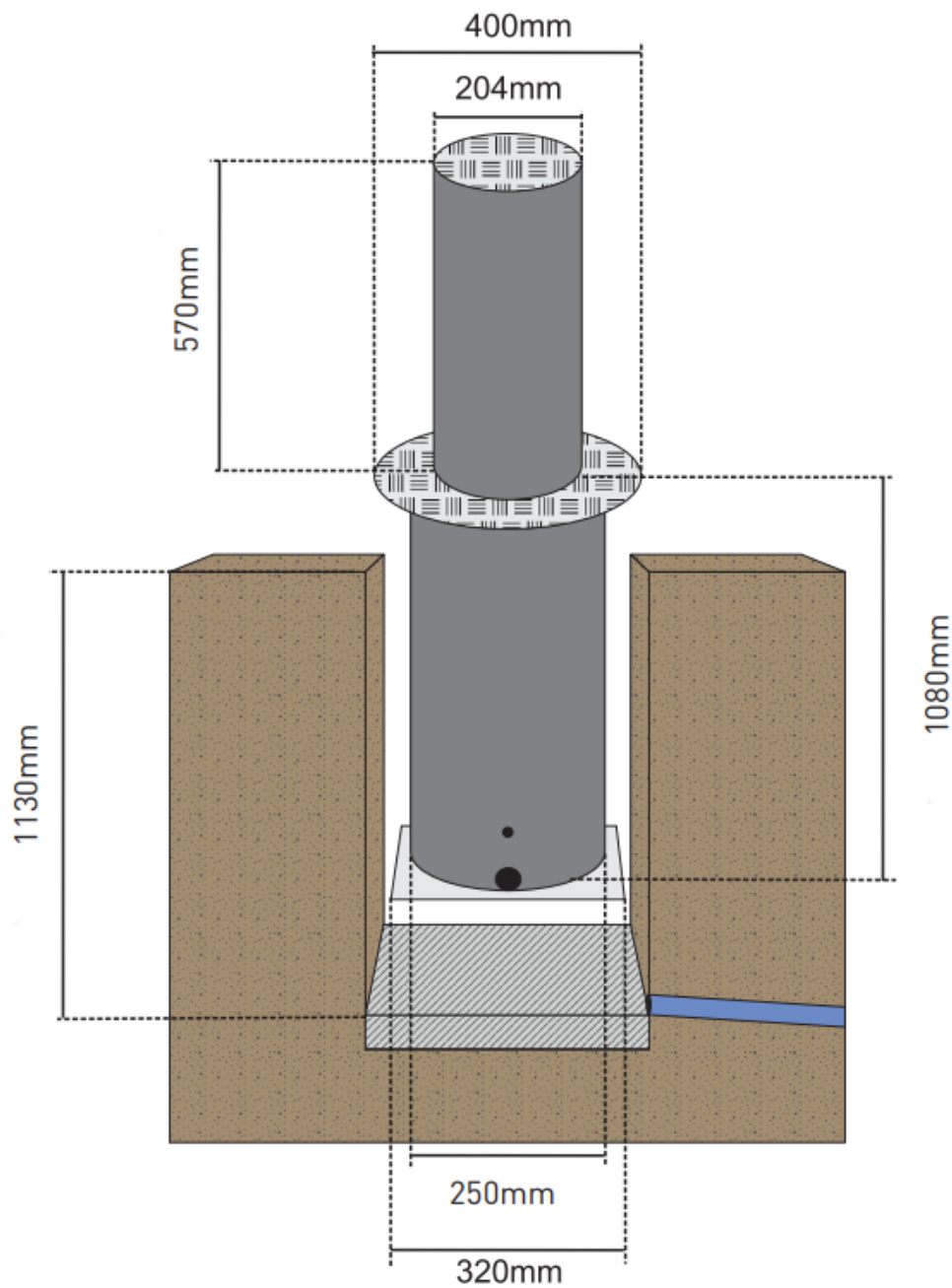


Figure 7.1 - Parklio Bollard Dimensions



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8. Unlocking the bollard

Unlocking the bollard in case of an emergency, power outage or malfunction.



Figure 8.1 - Slot for manual release



Figure 8.2 - For manual release, turn the key in clockwise direction

IMPORTANT

- After unlocking, the Parklio Bollard will descend automatically.
- In case of power outage, the bollard is prevented by a battery that has enough power to make one maneuver (open or close). You shall not use the bollard anymore until there is a power supply at 230V because the battery was designed for emergencies only.
- In case you use the bollard more than 1 time powered only by the battery, it may not have enough energy and an incomplete maneuver may occur.
- In case of malfunction of the equipment, you shall call a qualified technician.



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CONFORMITY:

Amplifico d.o.o. declares, the Parklio bollard follows the European norms and directives:

2006/95/CE-Low voltage electrical equipment; 89/336/CEE-Electromagnetic compatibility. EN

60335-1, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3

Amplifico d.o.o. declares, the control board follows the directive 95/05/EC (R&TTE).



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