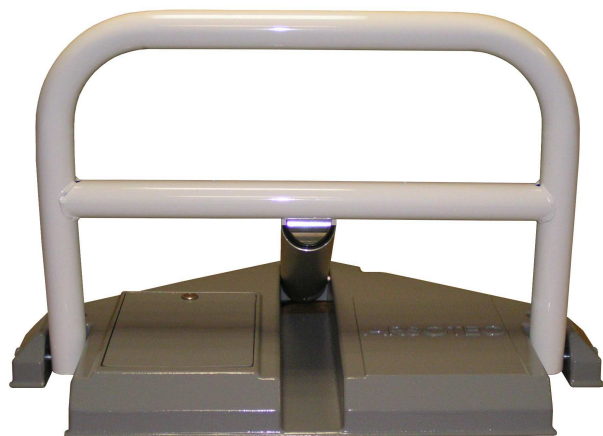




Specifications

Dimensions : (l) 810 x (L) 830 x (h) 75 (mm).

Weight : 25 kg

Supplied accessories : battery charger.

..... remote control with safety code

Transceiver range: 15 to 20 m

Standards compatibility : ETS 300 220-1 / ETS 300 683



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PARKEERWACHTER - PAR002

Set-up Guide

Before using ARSOTEC®, please read attentively this instructions for use. It contains important advice concerning set-up, use and device's maintenance.

1-st Control

Once having removed your ARSOTEC® from its packaging, make sure that the device it is complete and in perfect condition. The cardboard box must necessarily include:

- • An assembled arch.
- • An Electronic Unit.
- • A remote control case.
- • A battery charger.
- • A set of keys for the protection trapdoor of your Electronic Unit.
- • A tube of mastic.

When in doubt, do not use the product and contact your distributor or retailer.



Practical hints

The packaging (polythene bags, polystyrene parts, screws, etc.) must be put out of reach of children.

1. Installation must be made according to the manufacturer's instructions (please read below). The usual position of ARSOTEC® is "high position". It provides a better protection against shocks and damages.
2. Check from time to time that the stand part where the Actuator is lodged, is not blocked with fragments (leaves, earth, gravel).
3. Before any cleaning or maintenance, disconnect the battery device by removing the rubber plug connecting to the Electronic Unit.
4. When inactive, do not leave the device pointlessly connected to its batteries; it is advised to take off your ARSOTEC® Electronic Unit.
5. In case of fixing or functioning fault, call your retailer and require a replacement with original components.

Functioning:

"Standard" option : ARSOTEC® can come down in horizontal position or come back to its vertical position by a press on the remote control. This version is provided with the stop system on demand. Any brief action on the remote control causes successively a motion in a direction, a stop, then a motion in the other way.

Option "Automatic lift" : with this option, ARSOTEC® maintains automatically the protection of your parking space. When you leave, it is detected by the Electronic Unit which speeds up automatically your ARSOTEC® 's upward operation.

This option uses the nearest ground magnetic field variations. **The sphere of sensitivity is 1 metre**. Any metallic and voluminous object found in this perimeter is detected.

- If an obstacle impedes a downward motion, direction is inverted and the arch returns in high position.
- **If an obstacle impedes an automatic ascent**, direction is immediately inverted, to place again the arch in low position. It will raise up again once having detected more important variations (for example: a car's parking and leaving).
- If an obstacle impedes a going down, direction is reversed and the arch comes back to high position.
- If your parking place is taken, your remote control does not work. As a safety precaution, if the Electronic Unit detects a magnetic presence, any motion control, intentional or not, is rejected, except a calibration control (long push on the remote control).

- **Any extended push** on your remote control **will delay the automatic ascent process**.

Options

Various accessories are proposed as an optional extra, especially:

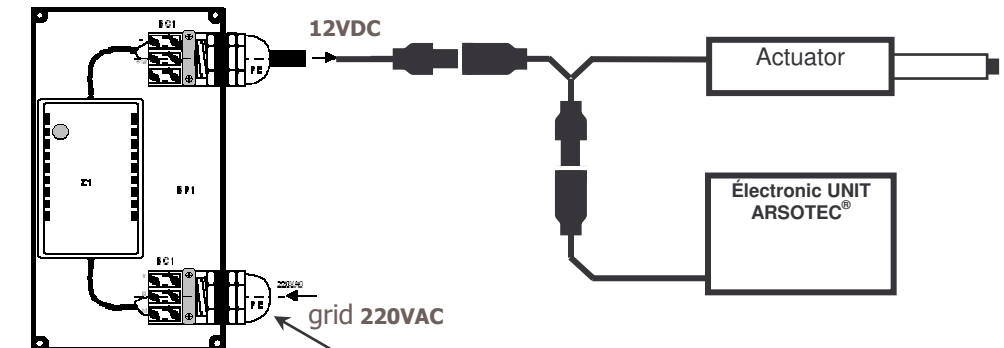
- **The identification plate** installed in the arch tubular centre, can receive any self-adhesive data support or advertising support respecting the effective standards.



- **The Permanent Connection** is an option which insures a continual recharging of your ARSOTEC® 's batteries.
- This option provides an electric connection for the engine block (Actuator), which allows to couple simultaneously the engine, the range Electronic Unit, and the permanent charger.

The "Permanent Connection" box is water-resistant (IP65). It connects directly to the 220V grid on one side, and to the engine connector on the other side.

A 10m electric cable connected with the 12VDC is provides with this option.



BEWARE: tighten well the two packing boxes in order to insure a perfect water-resistance around the 2 electric cables.

Safety

ARSOTEC® was conceived according to European standards of Electromagnetic Compatibility.

The arch movement is protected against physical or mechanical damage: any problem in the motion stops immediately the system. If by accident the arch came to press an obstacle, the motion would be automatically stopped, avoiding in that way a false manipulation.



The arch shape in its metal and the plastic parts does not have any harshness, excrescence, or other kind of relief likely to hold up a mechanical part of the vehicle. It does not have any sharp angle, sprig, metallic or plastic cutting part.

Thanks to its rounded shape, there is no risks of injury in case of shock or fall. Its height does not exceed 8 cm, so ARSOTEC® does not presents any danger for the low vehicles. In case of violent shock, the safety pin breaks, which pulls down the arch.

Fixations by sticking do not present any danger for the tyres, or for the base (no risk of plug pulling out, crack, or water-resistance problems).

GUARANTEE.

ARSOTEC® is guaranteed against any functioning defect resulting of a material, manufacturing or faulty design, under conditions here-under described.

The functioning defect must appears in a 12 months period starting from the delivery, for a normal use of ARSOTEC®, or a use defined in the order. The guarantee excludes:

- a faulty design resulting from the buyer;
- the functioning defect resulting from an intervention made without permission;
- the functioning defect resulting from the normal wear of ARSOTEC® or from a negligent use or maintenance defect from the buyer;

the functioning defect resulting from a case of absolute necessity.

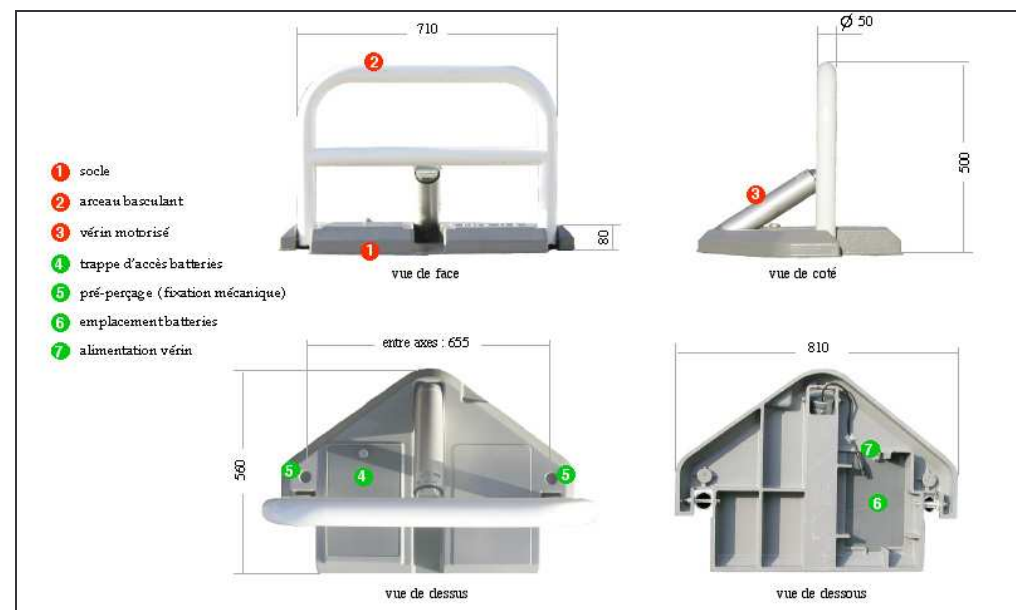
On this account of guarantee, the faulty components will be replaced for free. This guarantee does not covers the labour expenses and the expenses resulting from the following operations: dismantling, reassembling, carrying on site, etc. The replacement of components will not extend the guarantee date specified in the above paragraph.

Ground fix up

To fix up, simply stick with a putty cartridge, provided with the device. Generally, the putty is sufficient. It allows making a semi rigid sill which levels the ground differences (1cm), as well as shocks and vibrations. If necessary, two fixing points are provided to strengthen the ground fix up.

**** (for anchoring only)..**

- 1]** ** Make the stand drilling in provided locations (Ø12mm mini recommended).
- 2]** ** Drill the ground and introduce riddles (Ø20mm mini) and plug (Ø12mm mini). (Use the stand to mark the drilling points on the ground). Screw the anchoring bolts after the resin's set. Beware: If the ground is in bad conditions, make a smooth.
- 3]** Clean the surface provided for your ARSOTEC®. Place the stand according to the diagram below, by presenting the tubular arch towards the outside zone to be protected.
- 4]** Operate ARSOTEC® until vertical position, then tip it up so that it will rest on the tubular arch.
- 5]** Once the sole plate is accessible, spread the putty on the edge and the median part of the stand. Use all the cartridge.
- 6]** Tip up ARSOTEC® in normal position. **DO NOT PRESS**, ARSOTEC® 's weight is enough. A surplus of putty must appears around the stand. Do not touch and wait for 2 to 3 hours before using. Complete drying needs 10 to 12 hours.



Maintenance – Implementation

Battery loading :



The batteries are partially loaded, load it completely before the 1st starting.

The device is delivered with an Electronic Unit equipped with a rechargeable battery. To load, use the supplied block charger. It connects on the 220 VAC grid.

Connect the charger to the sector grid and the rubber plug to the Electronic Unit. **Beware, the rubber plug has got a misleading shape.** The load time will last from 12 to 24 hr. The charger bright spot shows that the loading is in progress. It will switch off when the batteries are fully loaded.

Implementation:

Once the putty is dried up and the batteries loaded, the device can be put into service.

- 1] Unbolt the protection trapdoor lock from the set of keys supplied.
- 2] Place the Electronic Unit in its location, and make sure that you have connected the rubber plug placed at the end of the Actuator's cable.
- 3] Replace the protection trapdoor and lock it with the key.
- 4] Use your remote control to operate ARSOTEC®.

CALIBRATION of the "Automatic Lift" option:

The "Automatic Lift" option must be calibrated when putting your ARSOTEC® into service:

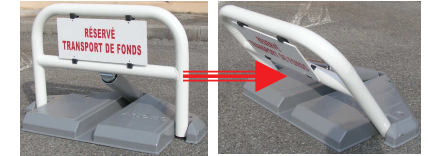
- 1] Clear the parking place of any metal object, vehicle, etc., in an area of 2 metre minimum; it must be in mode: "empty".
- 2] Place ARSOTEC® in low position by using the 1st or 2nd remote control.
- 3] Maintain a pressure on the 1st or 2nd remote control until the automatic lift of your ARSOTEC® (~ 8 seconds). Let it operates without stepping in (1 complete upward and downward operation, a 5 to 10 seconds wait minimum, a cycle of detection and calibration, then again 1 automatic upward operation). 
- 4] Make a test immediately. Control the downward operation with the 1st or the 2nd remote control. Once downward, a 25 seconds wait minimum for detection and analysis, then again 1 automatic upward operation.

A calibrating operation is essential in case of climatic change, when the surrounding area of your installation is modified (installation of railing, closing, grate, etc.).

- Signal of battery discharge:

When the arch stops half-way and starts again five seconds later, it means that the batteries are unloaded.

It is then advisable to complete their reload.



BEWARE: the prolonged wait for a reload can provoke an irreversible decline of your batteries, causing their destruction. This type of degradation corresponds to a carelessness or a defective maintenance on behalf of the buyer and will not be covered by the legal guarantee of your equipment;

- 1] Pull down the arch by starting up your remote control.
- 2] Remove the Electronic Unit (use the supplied set of keys to put down the protective trap).
- 3] Connect the cable charger rubber plug on the Electronic Unit and plug the charger on the 220 V. Let it load during 12 hours (the power indicator must turn off by itself). In order to replace the Unit in its housing, make the opposite operation.
- 4] After connecting and locking the trapdoor, use your remote control as usual.

- Maintenance :

ARSOTEC® does not require any particular care, because its components are protected from corrosion.

Just take care that no splinters obstructs the Actuator's slot.

To increase the batteries life expectancy, it is advised to reload the batteries before a six months deadline, or before any discharge signal.

Repairing

The quality and reliability of ARSOTEC® meet the most recent standards, providing an optimal functioning.

Nevertheless, in case of breakdown, make sure that all the instructions contained in the present directions for use were implemented.

It is possible that the incident is caused by a simple detail. If you do not find any sufficient indication in the directions for use, your fitter will makes himself available.