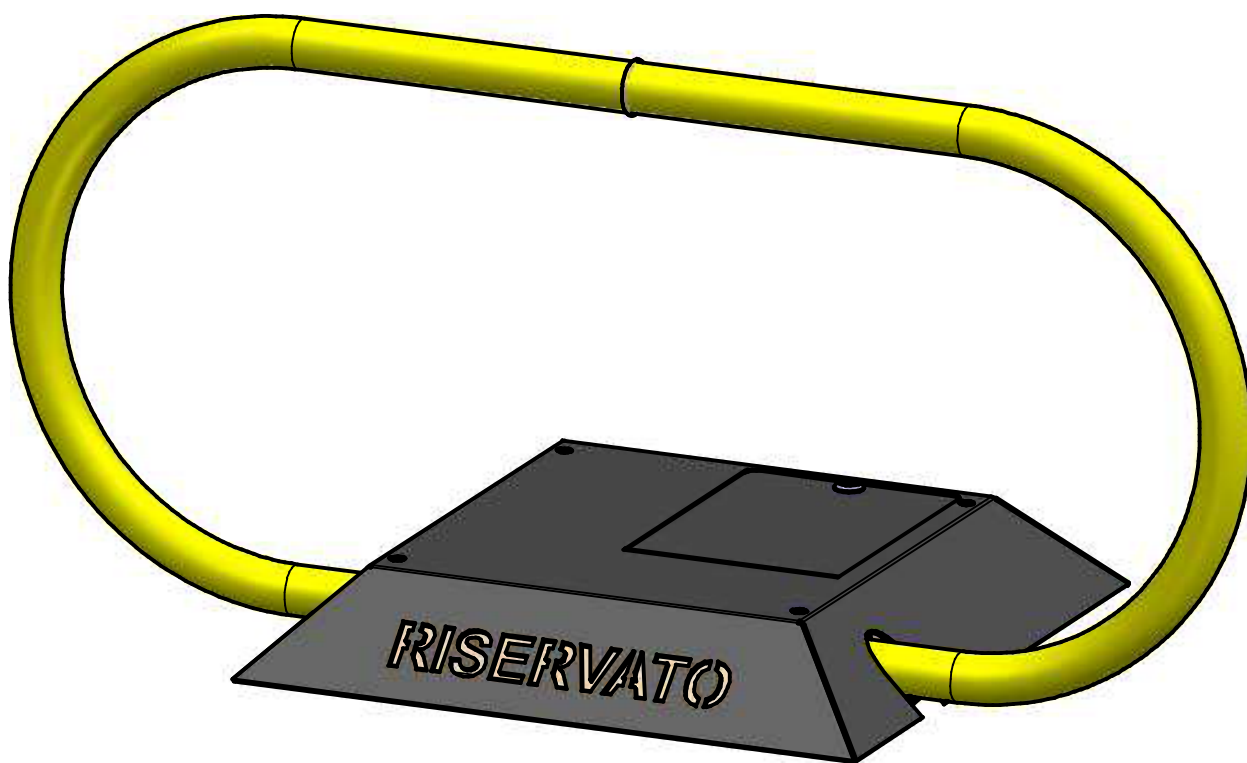
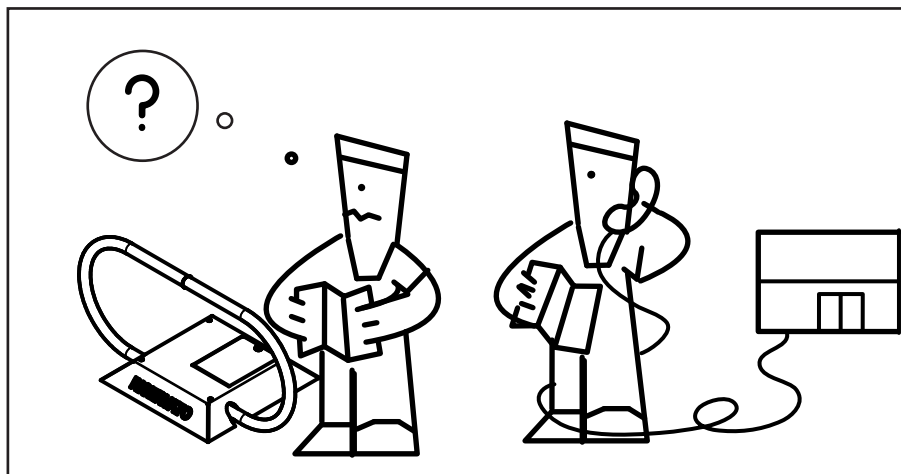
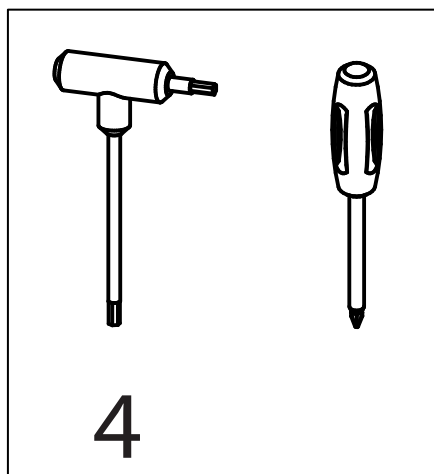


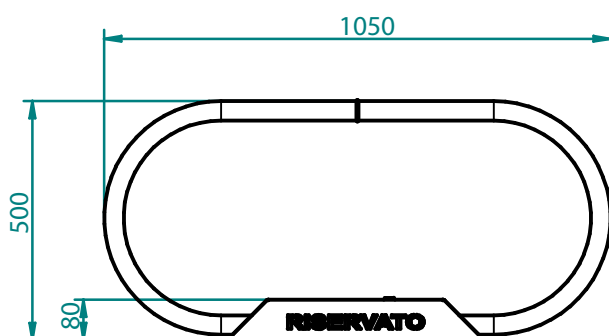
PB200



SALVAPARCHEGGIO AUTOMATICO
AUTOMATIC PARKSAVER
ELEKTRIC PARKBÜGEL

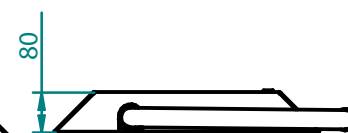
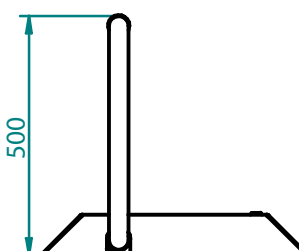


Tutte le misure riportate sono espresse in mm, salvo diversa indicazione.



ALZATO
RAISED
ANGEHOBESEN

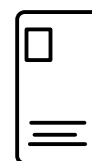
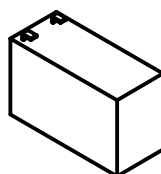
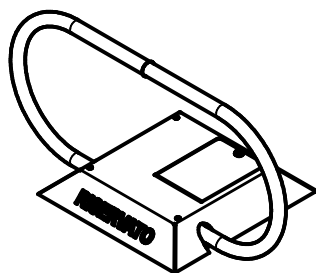
ABBASSATO
LOWERED
GESENKT



CONTENUTO DEL KIT

KIT CONTENTS

PACKUNGSGEHALT



DATI TECNICI - TECHNICAL DATA - TECHNISCHE DATEN

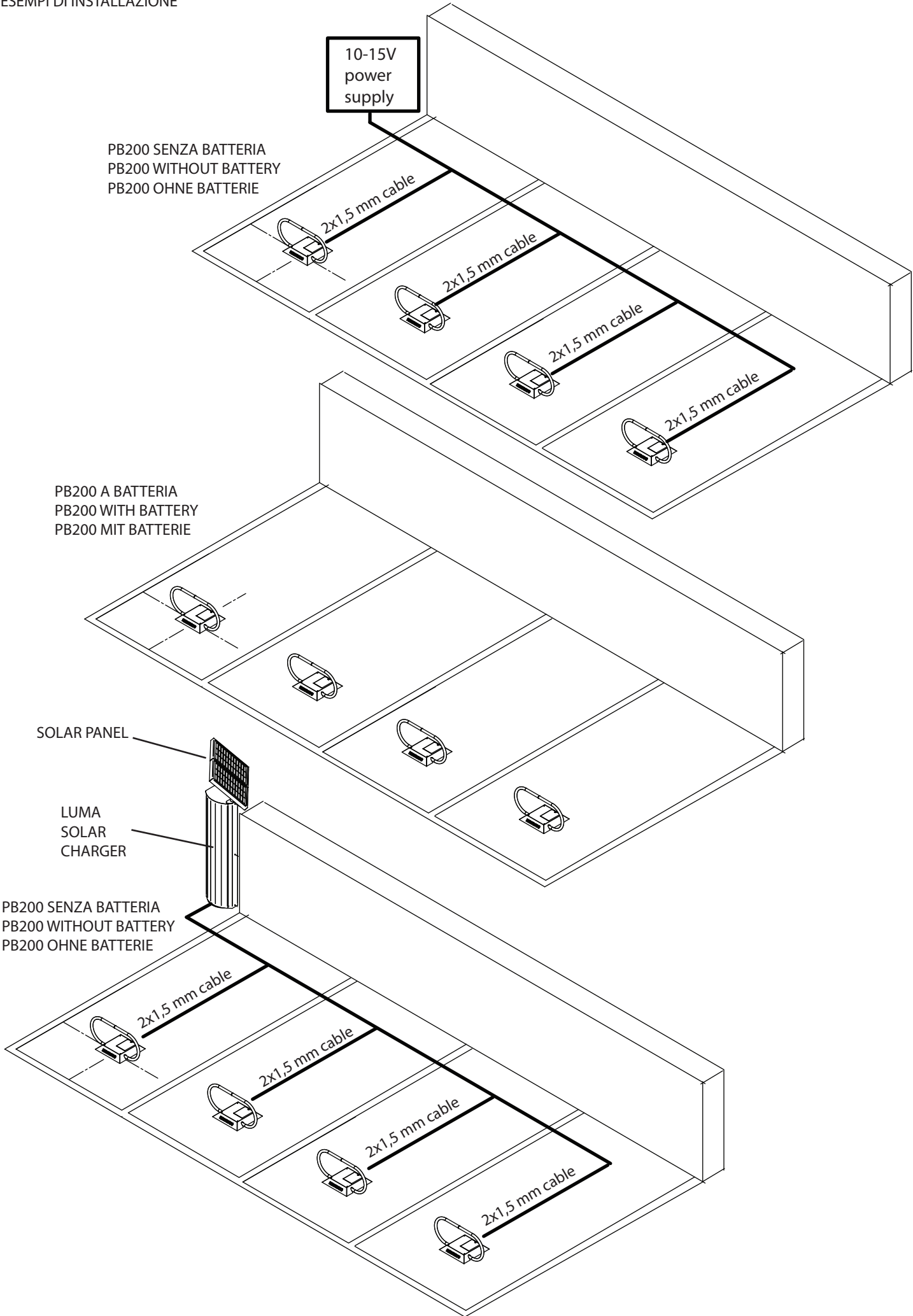
(tutte le caratteristiche sono riferite ad una temperatura ambiente di +20°C)

(all the features are referred to an ambient temperature of +20 ° C)

(Alle Eigenschaften beziehen sich auf eine Umgebungstemperatur von +20°C)

PB200/12V

Tensione nominale motore	Motor nominal tension	Motor Nennspannung	12V DC
Corrente massima motore	Motor max current	Motor max Strom	5A
Capacità nominale batteria tampone	Battery	Akku	7.2Ah
Temperatura di impiego	Operating temperature	Triebstemperatur	-20°C + 50°C
Temperatura ricarica batterie	Temperature charging batteries	Batterieladung temperatur	0°C + 40°C
Grado di protezione motore	Degree of protection for the motor	Schutzklasse für dem motor	IP54
Grado di protezione centralina	Degree of protection for the control unit	Schutzklasse für die Steuereinheit	IP67
Dimensioni (vedi fig. pag. 2)	Dimensions	Abmessungen	
Frequenza radiorecettore	Radioreceiver frequency	Funkempfänger Frequenz	433,92 Mhz
Peso	Weight	Gewicht	20 Kg
Tempo di apertura	Opening time	Öffnungszeit	3 s



KIT CONTENTS

- 1 parking space saver containing inside:
 - 1 12V gearmotor with integrated limit switches
 - 1 control unit with radio receiver, ultralow power consumption (0.006 Wh)
- 1 System with gas spring to absorb shocks
- 1 System of spring balancing of the weight of the bow to reduce power consumption of the motor during operation
- 1 arch, width 105 cm
- 1 Shell protection in high thickness steel with cataphoresis treatment
- 1 12V 7.2Ah battery can guarantee 1 year operation in stand-by
- 1 Key to opening the door to access the battery
- 1 433.92 Mhz radio control already programmed

PRELIMINARY CHECKS

Check the stability and robustness of the anchorage area of parking space saver.

Check that you can enter and exit the parking lot without bumps or cracks the bottom of the car against the parking space saver.

Make sure that at the point where you are going to install the parking space saver is free of pooling of water and puddles higher than 1-2 cm so that the water does not go inside the parking guard saver to ruin the internal components.

Charge the battery 12V 7.2Ah supplied before installation if the battery has been stored for a long time without ever being charged.

1. REMOVE COVER

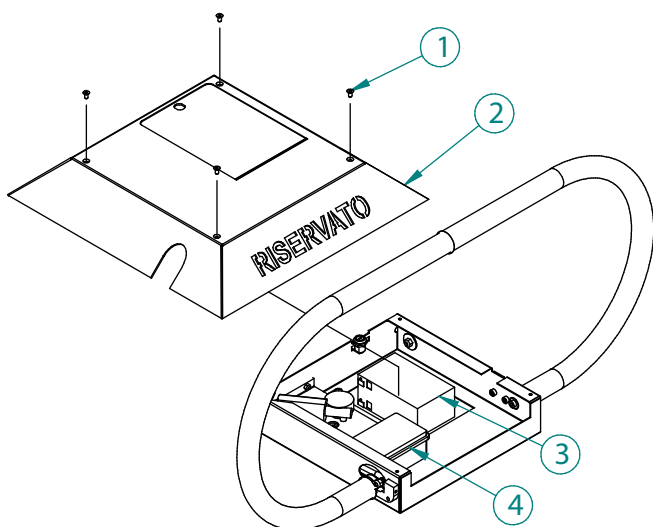
Use a 4 mm hex wrench to remove the 4 screws (1).

Lift the cover (2) and lay it on the ground.

It can now remove the battery (3) to charge it if it has been stored for a long time without ever being charged.

You can also access the control unit (4) by opening the top cover in case you want to perform some operation on it.

The supplied remote control has been already inserted in the memory of radio receiver, so there is no need act on the control unit.

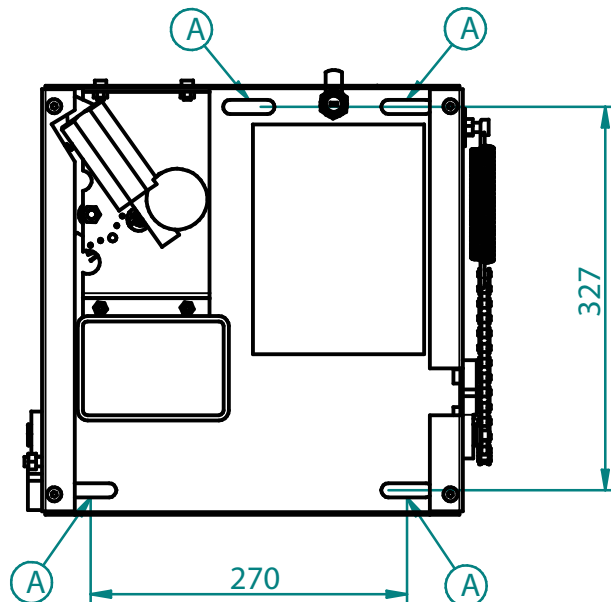


2. SECURING TO THE GROUND

Fix the parking space saver on the center line with respect to the parking place.

Use plugs at least 10 cm long and suitable for the type of material of which is made the floor.

Insert the plugs and screws on the 4 slots (A) and tighten.



3. BATTERY CONNECTION

Connect the power cables to the battery.

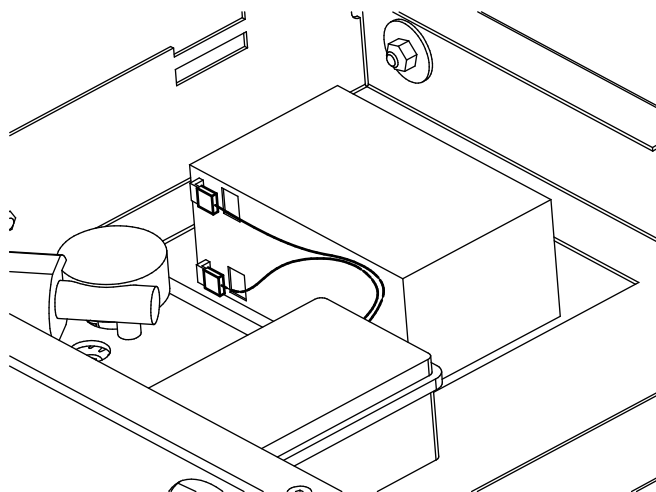
Connect the RED cable to the [+] pole of the battery.

Connect the BLACK wire to the pole [-] battery.

Check the operation of the bow:

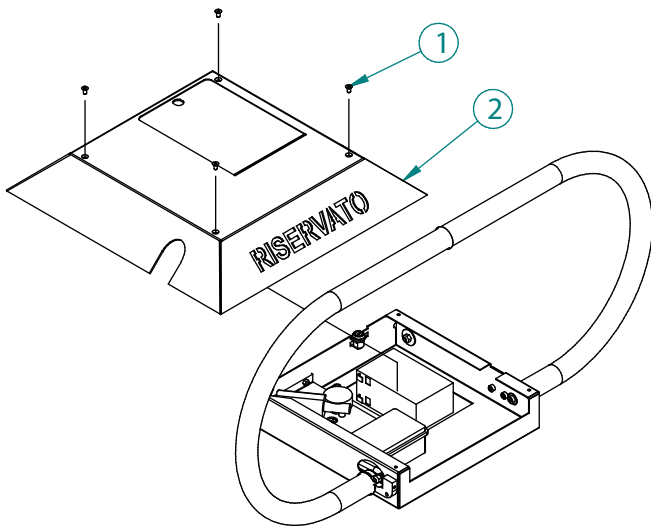
- **Press and hold the button on the remote control for at least 5 seconds**

- The control unit must recognize the signal and raise or lower the bow.



4. REASSEMBLING COVER

Reinstall the black cover on the base [2].
Secure it to the base using the 4 screws [1]



5. OPERATING THE PARKING GUARD SAVER

The radio receiver of parking guard saver is turned off for 90% of the time so as to reduce consumption of the battery so that it can operate the parking guard saver for months without need to recharge.

This means that the receiver will "wake up" for half a second and starts listening to any radio codes and then goes back to sleep for the next 5 seconds.

Push and hold down the button on the remote control for a time ranging from 1 to 5 seconds to be sure that the receiver has received the command.

The bow opens and close in about 2 seconds.

If during the opening or closing the bow hits an obstacle the control unit provides to turn back the bow in order to free the obstruction.

6. ADVANCED CONTROL

Normally you dont need to act on the control unit.

It's however possible to act on the control unit to add additional remotes to the receiver or to insert the automatic reclosing function or connect the parking guard saver to an electrical system.

6.1 ADD A REMOTE CONTROL

Press the P1 button until the LED on the control unit turns on.
Press the button on the remote that you want to enable
(Up to 4 different codes).

The LED will flash '3 times if the code is learned correctly,
7 times if memory and is full.

6.2 DELETE A REMOTE CONTROL

Press the P2 button until the LED on the control unit turns on.
Press the button on the remote you want to delete.
The LED will flash 5 times to indicate the cancellation.

6.3 DELETE ALL REMOTES

Press the P2 button until the LED on the control unit turns on.
Keep it pressed until the LED starts flashing.
The LED will flash '10 times to indicate the deletion of all codes.

6.4 INSERT THE AUTOMATIC CLOSING

Press P1 and P2 simultaneously until the LED lights, release the buttons, the LED starts to blink with short flash every second. Wait for the desired time (between 5 and 300 seconds) and press buttons P1 and P2 simultaneously .
The LED will flash 3 times to indicate the correct setting of AUTOMATIC CLOSING.

6.5 REMOVING THE AUTOMATIC CLOSING

Press P1 and P2 simultaneously until the LED lights, release the buttons, the LED starts to flash with short flash every second. Press simultaneously the buttons P1 and P2 within 5 seconds. The LED will flash 5 times to indicate the cancellation of AUTOMATIC CLOSING.

6.6 POWER SUPPLY

It's possible to connect the parking space saver to a power supply with 10-15V 40VA output to replace the battery.
Pay attention to the polarity when connecting the power supply.

6.7 REMOVAL OF ENERGY-SAVING FUNCTION

If the parking space saver is connected to a power supply instead to the battery it is possible to make sure that the control unit does not never enters into standby mode.

In this way the controller consumes 5 times more energy but reacts immediately to pulse from the remote control.

To clear the energy-saving connect the input 3 to the common, power off the control unit for a few seconds and power again the control unit.

6.8 CONNECTING INPUTS START / OPEN

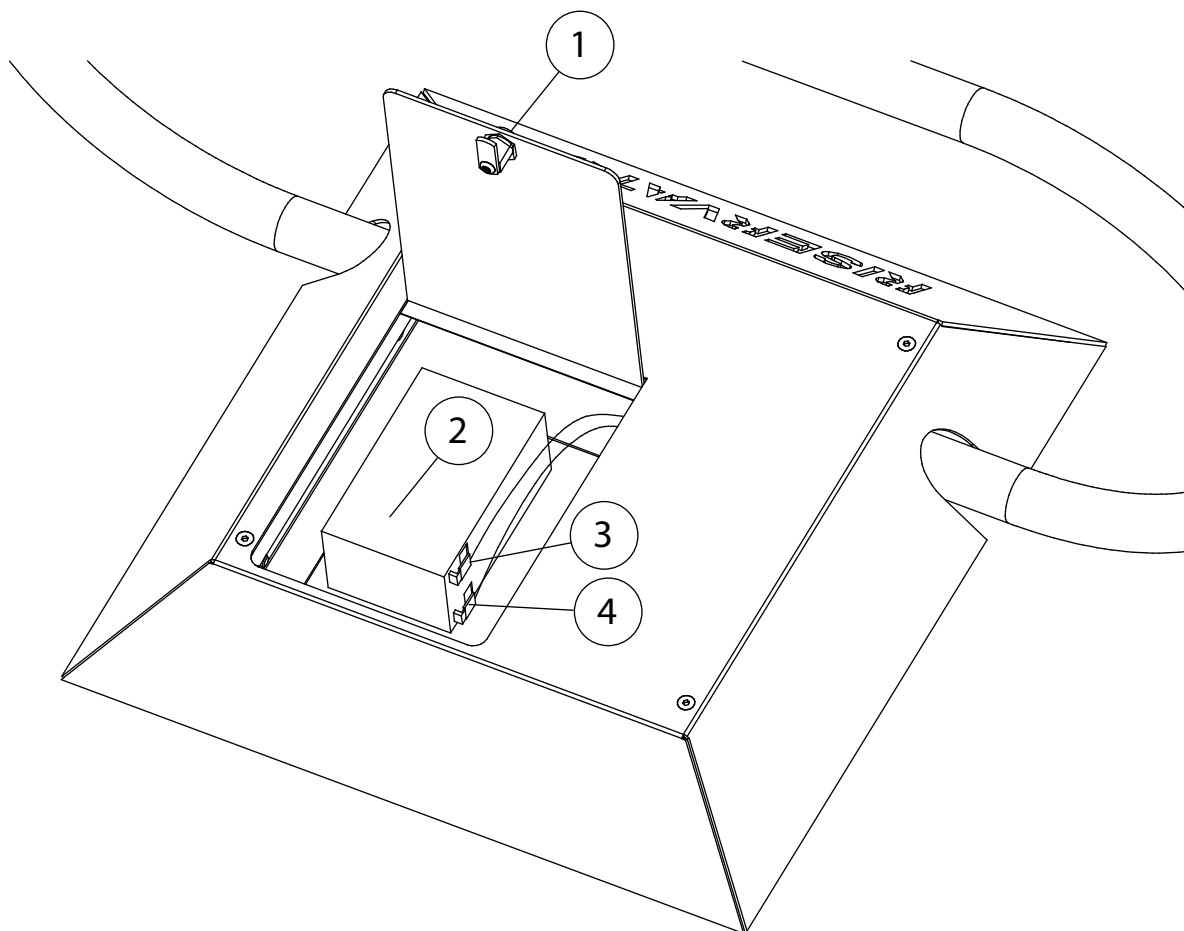
Input 1 : has the same function of the remote control (START, opens if closes, closes if opened)

Input 2 : open the parking space saver (it remains open if opened) and keep it open until the INPUT 2 is closed.

When the input 2 is released the parking space saver returns to the state it was in when it was closed.



BATTERY REPLACEMENT



When the battery has reached a level of charge is too low to adequately perform the lifting and lowering of the bow, the control unit will bring the bow down position and will stop accepting additional radio commands.

At this point it is necessary to charge the battery as soon as possible:

- Insert the key into the lock supplied 1
- Turn the key 90 degrees and lift the cover
- disconnect the cables 3 and 4 from the battery and remove the battery
- Close the lid and remove the key from the lock
- Recharge the battery making sure to fully charge
- Open the cover again
- Reconnect the battery, making sure to connect the red wire to the [+] on the battery and the black wire to the [-] battery.
- Close the lid.

MAINTENANCE

Regularly clean the area around the parking space saver so that the bow does not encounters obstacles close to the ground during the opening movement.

Check regularly that parking space saver functioning properly and reload the battery if necessary.