

**MANUAL FOR OPERATION AND MAINTANACE**  
OF THE MOTOR UNITS PRIME



**Alukov**<sup>®</sup>  
COMPLETE YOUR HOME...

Following these steps will ensure a smooth operation of the motorized sliding of TERRA PRIME, TERRA R PRIME and VIVA PRIME.

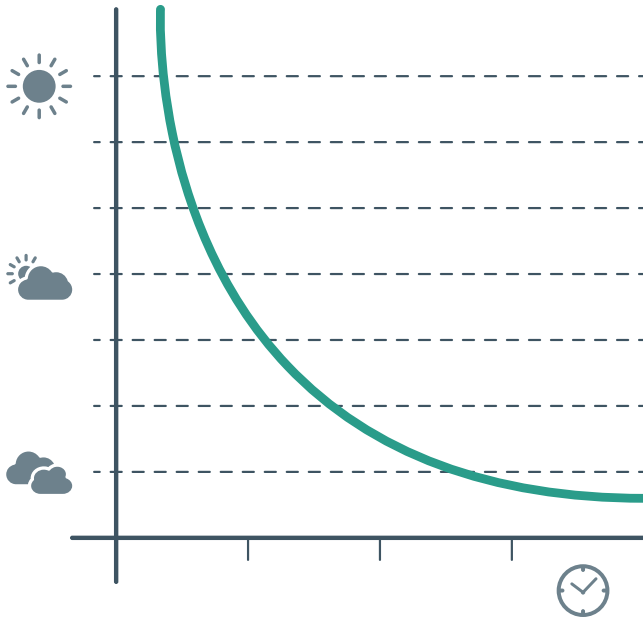
Content of motor set:

- 2 - 4 motor units ( 350 - 600 N, 12 V DC)
- 2 solar panels (18V, 8W)
- 2 ks Electronic cards (main, secondary)
- 2 ks Electric arresments
- 2 ks Remote control (black, white)
- 1 ks Antenna
- 2 ks baterries 12V 8,5 Amp/h

The batteries are fully charged and ready for operation.

The motor units for TERRA PRIME, TERRA R PRIME, and VIVA PRIME provides motorized sliding of the enclosure (opening / closing). The average opening and closing frequency is 4 cycles during the day (depending on the intensity of the sunlight and the weight of the segments). Dependence on the intensity of solar light to the charge rate of the motor battery is illustrated by the following graph.

A graph of depedency of charge rate of the motor battery on the intensity on sun light.



#### Safety:

- Motors set of the enclosure TERRA PRIME, TERRA R PRIME and VIVA PRIME is always necessary to operate from the maximum distance of 3-5m from the antenna and under constant visual control by the operator.
- Opening: When opening the segments of the enclosure, always make sure that no one is present in the enclosure path and nothing is left in the way of the moving segments.
- Closing: When closing the segments of the enclosure, it is always necessary to make sure there is no one in the pool or in the way of the moving segments.
- Security code: The motor unit is equipped with a security code that allows activation of the motors for 15 minutes (by the help of the remotel). After this time, the remotes are disabled.
- This setting minimizes the chance of accidentally opening the closed enclosure.
- Permanent hold of the button on the remote control while operating with the enclosure forces the operator to oversee the entire shift.

#### Unlocking of the remote controls:

Slowly press the buttons in the following sequence: A, B, B, A. Each time you press, you have to hear a short beep (2/10 seconds), which means that pressing of the remote control in the correct sequence. A long beep (1 second) indicates an error, in which case repeat the procedure.

#### Motor operation:

- By long pressing and holding button A or B on the remote control opens the enclosure.
- By long pressing and holding button B or A on the remote control closes the enclosure.
- Correction of direction of the segments movement (correction of enclosure overlay): Long press of button C or D remote control triggers both motors in the opposite direction (2/10 seconds) and the segment is rotated to one side or the other.

#### Maintenance:

- Clean the solar panel twice a year with a wet notabrasive cloth (more often if necessary).
- Never remove batteries (even in winter). The solar panels must be kept clean in order to recharge the batteries. In winter keep the solar panels clean and clear of snow.
- It is possible to move the segments manually. If the locking system (which is incorporated in the engine) is not working, it is possible to disengage the segment manually and move them by hand.

#### Emergency disarming of the arrestment:

- In the event of emergency disengagement of the arrestment (in the event that the engines stop working) proceed as following:
- A plastic cover is located on the front of the engine housing. Remove this cover with a small screwdriver (see photo 1, 2 and 3).

Photo n. 1



Photo n. 2



Photo n. 3



Use a flat screwdriver with a minimum length of 11 cm. Insert the screwdriver horizontally into the hole. Slowly push it in until you encounter a arrestment. Rest the screwdriver on the bottom edge of the hole and by pushing the handle down, lift up the arrestment (see photo no. 4, 5 and 6).

Photo n. 4



Photo n. 5



Photo n. 6



You can visual check to verify that the latch has been lifted (see photo 7 and 8). Repeat this procedure on the other engine. After unlocking both motors Enclosure can be moved manually. The latch can be lock by reversing the process. With the screwdriver, lean against the top edge of the hole and lift the handle up locking the latch down.

Photo n. 7 - locked arresment

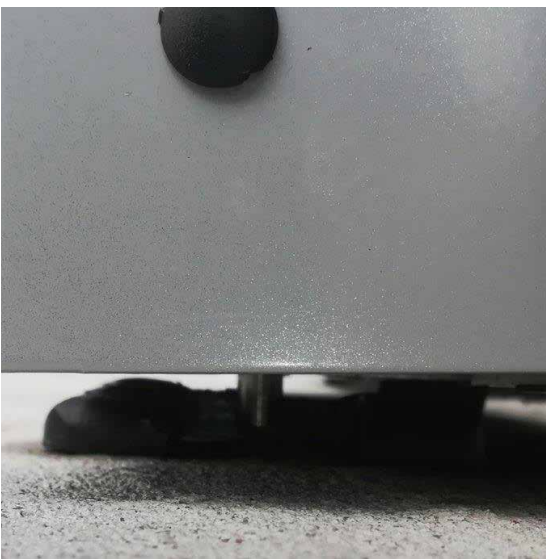


Photo n. 8 - unlocked arrestment



Once a year, remove the engine cover and remove the rough dirt (for example leaves). Then screw the cover back (see photo 9 and 10).

Photo n. 9



Photo n. 10



If the remote's range is reduced over time, the batteries are weak in the remote. Replace the batteries. On the white remote, slide the battery cover downwards on the back and replace the battery with a new 9 V battery (see photo 11, 12).

Photo n. 11



Photo n. 12

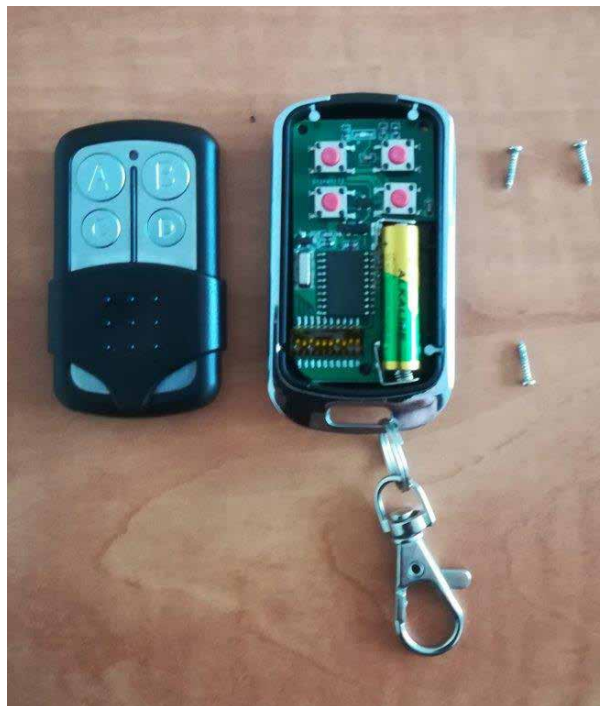


On the small black remote, unscrew the three screws on the back. Turn the remote upside down and remove the top cover with the buttons. Replace the battery - A27 ALKALINE 12 Battery  
V - fold the handle and screw in (see photo 13, 14).

Photo n. 13



Photo n. 14



If any problem occurs while operating the enclosure when pressing the button on the remote control there is disruption of signal between the remote and the receiver in the engine. This may be caused by too long distance from the antenna (in this case, move closer), weak battery in the driver (replace the batteries in the driver with a new one or use a white remote that has a larger signal range) or by interfering with a signal caused by for example, electromagnetism.

### **Information regarding sound signals of the motor unit:**

- 1) 5 beeps after pressing the remote (once every 15 minutes) indicates that the battery is not charging by the solar panel. This signal is normal in case of insufficient sunshine (at night). If the signal persists during the day, contact the manufacturer.
- 2) 1 beep (2/10 second) every 2 seconds during running indicates a weak battery. Engines works and motorization is not broken, but it is important not to move the enclosure and let the batteries charge.
- 3) 3 beeps indicate low battery. In this case, the motorization will not work until the batteries are fully charged (this may take 2-3 days). If it's occurs even after 3 days, please contact the manufacturer.
- 4) Two beeps indicate a connection problem. Contact the manufacturer.
- 5) Continuous sound signals a short-circuit. Contact the manufacturer.

Motorization meets EU legislative requirements (designation **CE**) and complies with French norm NF P90-309.

### **DISPOSAL**

All parts of the enclosure are recyclable. Dispose the enclosure by handing it over to an authorized person in accordance with recycling law.

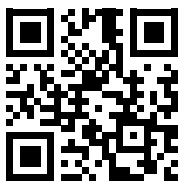
# Alukov®



COMPLETE YOUR HOME...

**ALUKOV a.s.**

Orel 18, Slatiňany 538 21, Czech Republic



**Tel.:** +420 469 681 488

**Fax:** +420 469 681 321

**E-mail:** [info@alukov.cz](mailto:info@alukov.cz)

[www.alukov.cz](http://www.alukov.cz)

© Alukov 01 - 2019 The manufacturer reserves the right to make technical changes in it's products.