

SWING GATES OPERATOR

ARTIC2 12-220V

INSTRUCTIONS MANUAL

SPECIFICATIONS

Motor	12V	220V	Motor	12V	220V
Max. wing lenght	1,8 m	2,5 m	Noise	50 db	50 db
Max wing weight	200kg	250kg	Weight	5,5 Kg.	6 Kg.
Power supply	12 V	220/230 V	Opening time	10 seg.	12 seg.
Motor capacity	48 W	350 W	Thermal prot.	-	150°C
Power absorbed	4,0 A	1,5 A	Lubrication	grasa	grasa
rpm	1600	1400	Dimensions	44	44
Starting thrust	250 N/m	500 N/m	Dimensioni of the plate	380x180x155	380x180x155
Working temp.	-25°C +75°C	-25°C+75°C	Weight	380x175x80	380x175x80

DEMOLITION

You have to operate the elimination of the materials in conformity with the regulations in force. All materials must be divided by type (copper, aluminium, plastic, electrical parts, etc)

DISMANTLING

In order to move away the automation, follow these instructions:

- 1 - cut off the power supply and disconnect the electrical installation;
- 2 - dismantle the control console and all the other components of the installation.

If you have noticed that some components have been damaged, you have to replace them.

USE OF THE AUTOMATION

The gear motors ARTIC2 have been planned and built in order to open all those gates as above mentioned. STATEUROP is not responsible for any abnormal and/or different use of the gear motors ARTIC2. As the automation can be controlled from distance through a remote control, you must always check the full efficiency of all the safety devices. We recommend inspecting periodically (every 6 months) the adjustment of the electronic friction.

PRELIMINARY CHECKS

- 1 - Read carefully the instructions enclosed in this manual.
- 2 - Make sure that the gate has a rather solid structure and that there is no friction points in its movement.
- 3 - Make sure that the wing is suitably balanced, even after the installation of the gear motor.
- 4 - Check that the electrical installation is in accordance with the characteristic required by the gear motor.

INSTALLATION

To operate a good installation of the gear motors ARTIC2, follow these instructions:

- 1 - Open the box and take out gear motor. Make sure that it has not been damaged during the transport.
- 2 - Make sure that the wing of the gate is perfectly horizontal.
- 3 - Place the basement plate of the motor in according to parameters of table1, being sure that the wing completely open doesn't interfere with the motor

Fig.1

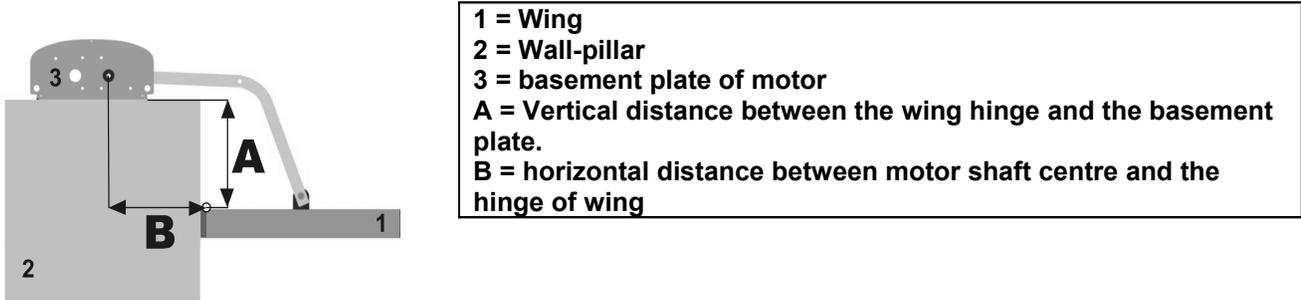
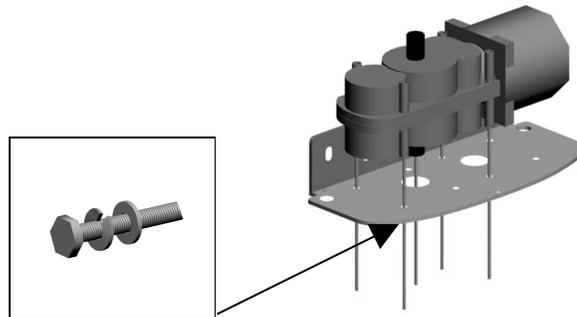


Table 1

A	B	Alfa	A	B	Alfa	A	B	Alfa	A	B	Alfa
0 cm	16-20cm	90°	5 cm	25-35cm	110°	15 cm	16-20cm	90°	20 cm	16-35cm	90°
0 cm	20-35cm	120°	10 cm	16-20cm	90°	15 cm	20-25cm	100°	25 cm	16-30cm	90°
5 cm	16-20cm	90°	10 cm	20-25cm	110°	15 cm	25-30cm	90°	30 cm	20cm	90°
5 cm	20-25cm	120°	10 cm	25-30cm	90°	15 cm	30-35cm	100°	35 cm	20cm	90°
5 cm	25-35cm	110°	10 cm	30-35cm	100°	15 cm	35 cm	90°			

- 4- Fix the motor on the basement plate with the screws like in the fig.2

Fig.2



- 5- Assemble the articulated arm and fix it to the motor shaft like in fig. 3-4

Fig.3

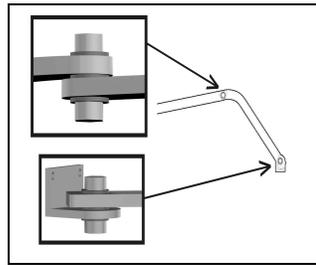
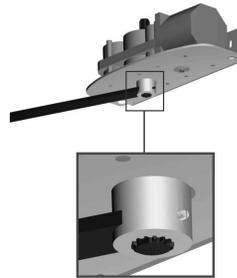
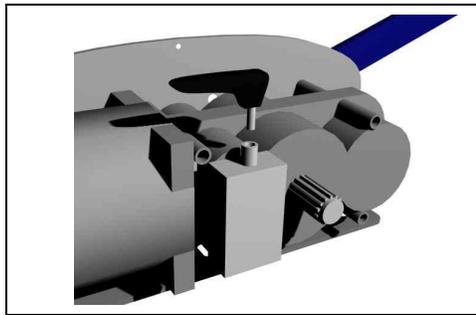


Fig.4



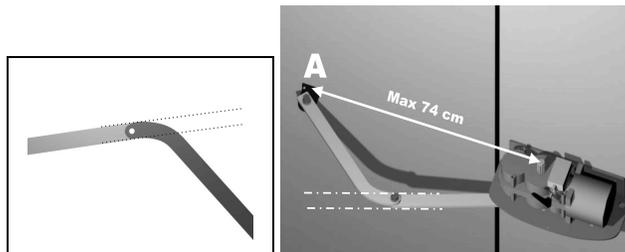
6- Unclamp the motor turning right or left the key **A** to hear the first “click” (fig.5)

Fig.5



7 - Moving the articulated arm, locate and the bracket **A** on the wing, doing in the manner that the angulations between the two element of the articulated arm is not higher than the one indicated on fig. 6-7. Fix the bracket **A** verifying that the distance between the centre of the motor shaft and the centre of the bracket **A** is NOT more than 74 cm.

Fig.6-7

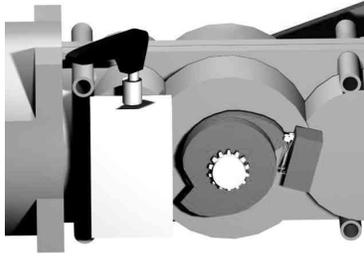


8 - Do a complete movement of the wing verifying the correct movement of the articulated arm.

9 - Verify the fixings and proceed with the electrical connections

10 - Adjust the end run cams(**A-B**) in according to how indicated on the manual of your control box. (Fig.8)

Fig.8



- 11 - Place the cap.
- 12 - Install the mechanical stops

MAINTENANCE :

Periodical.

Check the closing of articulated arm bolts, taking care to cut of the electrical alimentation, remove the protection carter and look the motor conditions, eventually clean it.

Extraordinary.

To all eventual operations on the motor, out of the ordinary, please call a specialized technician.

CONFORMITY DECLARATION:

It's in accordance with Machine Directive 39/89/CE and following modify.

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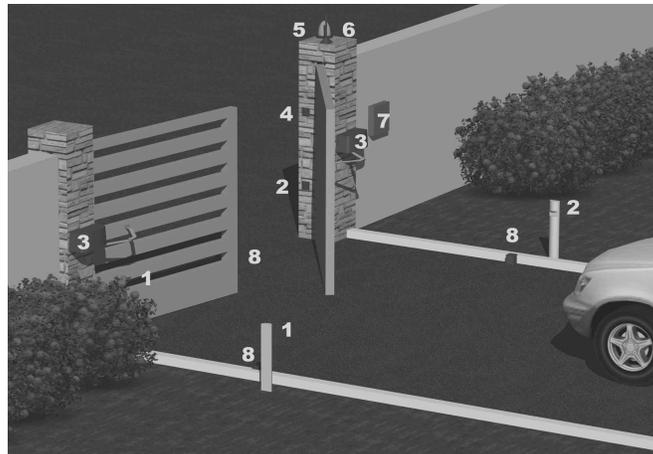
Electromagnetic compatibility Directive 89/336/CEE and following modify.

Low tension Directive 73/23/CEE and following modify.

Have been applied the following harmonized norms:

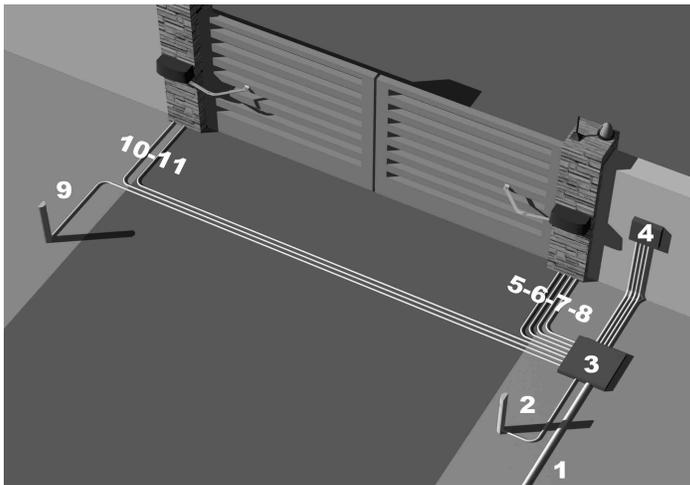
EN292/1/2, EN 294, EN60335-1, UNI EN 12453, and what applicable of the EN12445-2000.

PLANT COMPONENTS:



1	Photocells RX/TX	5	Flashing light
2	Photocells TX/RX	6	Aerial
3	Motor	7	Control box
4	Key switch	8	Mechanical stop

ELECTRICAL CONNECTIONS



N°	Description	Cable
1	Alimentation line 220V	2x1,5 + T
2	TX Photocells	2x1
3	Well	-
4	Control box	-
5	RX Photocells	4x1
6	Key switch	2x1
7	Aerial / Flashing light	RG59 / 2x1
8	Motor 220 / 12V	3x1,5 + T / 2x2,5
9	RX Photocells	2x1
10	Motor 220 / 12V	3x1,5 + T / 2x2,5
11	TX Photocells	2x1

EMERGENCY MANOEUVRE

Remove the cap on the carter, put in the unblocking key and turn it left or right to hear the first “click”