

avidsen



HELPLINE



WARRANTY



Orane510

PIVOTING ARM MOTOR DRIVE KIT

for 2-panel swing gates

Ref.114201



24 V



SWING GATES



2.50 M
PER PANEL



250 KG
PER PANEL



COMPATIBLE
WITH ALL TYPES
OF GATE



SOLAR OPTION



BACKUP BATTERY
AS AN OPTION



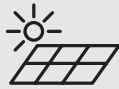
SMARTPHONE
COMPATIBLE AS AN
OPTION

OPENING YOUR SWING GATE HAS NEVER BEEN EASIER

Choose Avidsen's **Orane 510** pivoting arm motor drive kit for your swing gates! With an opening that can be modified for your convenience, this motor drive can open inwards or outwards and can withstand loads of up to 250 kg and 2.5 metres per panel! In addition, whatever the material of your gate, **Orane 510** is the solution! This makes the motor compatible with 95% of swing gates on the market. Last but not least, the pivoting arms reproduce the natural movement of your gate to ensure its durability.



Compatible with all types of openwork gate
(PVC, Aluminium, Openwork wood or steel)



Solar option
Option to add a solar panel



Backup battery option
Option to add a backup battery in the event of a power failure



Smartphone compatible option
Option to control your motor drive via a smartphone



PRODUCT BENEFITS

- Self-learning function: the motor drive automatically learns and saves the required move.
- Safer and more comfortable to use thanks to end cycle deceleration (soft close) and automatic stop on encountering an obstacle.
- Your gate opens naturally, without using force, thus ensuring its durability.
- Compatible with all materials (wood, iron, PVC, aluminium, etc.) and suitable for gates up to 2.5 m high and 250 kg per panel.
- This motor drive is compatible with all types of audio and video intercom on the market.
- This gate motor drive is compatible with the Avidsen solar power kit (optional, not included in this kit). This solar power kit allows you to operate your motor drive using solar energy without having to use a 230 VAC mains connection.

KIT CONTENTS

- 2 x 24 VDC motors with pivoting arms and intercom electronics. Mounting brackets included
- 1 set of photocells
- 2 x 433.92 MHz 4-button remote controls
- 1 flashing light



FEATURES

- Max 135° inward opening, towards the property and 90° outward opening
- Progressive start and end cycle deceleration
- Adjustable force, speed and acceleration
- Manual unlocking of the motor using a key in the event of a power failure

- Closing: automatic (after time delay) or semi-automatic (the gate can be closed by pressing the remote control)
- Pedestrian access: opens one panel only
- Automatic stop on encountering an obstacle
- Side gate mode (suitable for a single-panel gate)

TECHNICAL FEATURES

MOTORS

Type	24 VDC motors, reduction gear, override system
Elements	1 left motor and 1 right motor
Power supply	24 VDC
Rated torque	160N.m
Consumption at rated strength	80W
Assigned operating duration	10 min
Maximum number of cycles/day	50
Operating temperature	-20°C / +60°C
Protection rating	IP44

CONTROL ELECTRONICS BUILT INTO THE LEFT MOTOR

Contents	1 AVLO electronic card, 1 x 230 V/20 V transformer
Power supply	230 VAC/50 Hz
Maximum assigned power	160 W
Motor output (- M2 + / - M1 +)	2 outputs for 24 VDC motor. - Maximum output current at start for 3 s = 8 A. - Maximum output current after start = 5 A
Flashing light output	Flashing controlled by the electronic card. For 24V flashing light with LED only, included in the kit
Power output	To power the photocells. 3.3W maximum, 2 sets of photocells
Photocell input (PHO)	Input for dry contact that is normally closed
Input for control device (2B)	Input for dry contact that is normally open (closing the contact triggers a command to set the gate in motion or stop it)
The following can be controlled	The gate and pedestrian passage by remote control The gate only by input for dry contact
Number of remote control buttons that can be memorised	15 with 1 gate command button and 1 pedestrian command button
Protection fuses	250V 1A time-delay fuse in the power supply connector
Operating temperature	-20°C/+60°C
Protection rating	IP44

REMOTE CONTROL

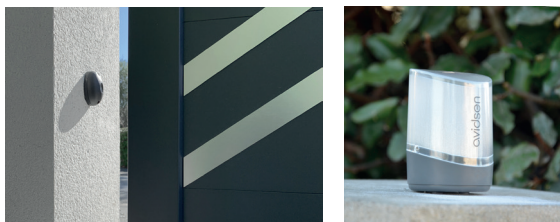
Type	Type: AM On/Off Keying (OOK) modulation. 16-bit Rolling code encoder (i.e. 65,536 possible combinations)
Frequency	433.92 MHz
Power supply	3 V (CR2032 battery)
Buttons	4 buttons
Radiated power	< 10 mW
Battery life	2 years at a rate of 10 x 2 s uses per day
Operating temperature	-20°C/+60°C

PHOTOCELLS

Type	Modular infrared beam presence detector. D type safety system according to EN 12453
Contents	1 TX transmitter and 1 RX receiver
Power supply	12 VDC, 12 VAC, 24 VDC, 24 VAC
Maximum assigned power	0.7 W for the pair
Output	- 1 output with normally closed dry contact (COM/NC) - 1 output with normally open dry contact (COM/NO)
Transmission angle / Reception angle	10° approx. / 10° approx.
Range	15 m maximum (range may be reduced due to weather disruption)
Number of connectable photocells	It is possible to connect up to 5 RX receivers in a series
Operating temperature	-20°C / +60°C
Protection rating	IP44

FLASHING LIGHT

Type	LED lighting 2W max, flashing managed by the electronic card
Power supply	24 V
Operating temperature	-20°C / +60°C
Protection rating	IP44



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