

# avidsen



SUPPORT  
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GUARANTEE

## ORANE CONNECT CONNECTED MOTOR DRIVE

For swing gates

Ref.114202



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24 V



SWING  
GATE



2.50 M  
PER PANEL



250 KG  
PER PANEL



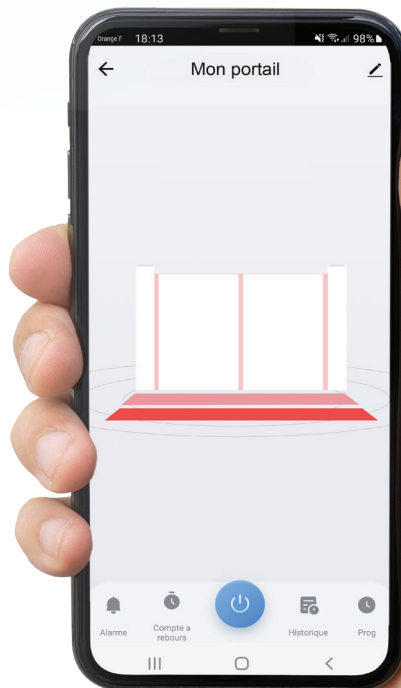
COMPATIBLE WITH ALL  
TYPES OF GATES



COMPATIBLE WITH  
AVIDSEN HOME

### MOTORISE YOUR SWING GATE WITH THE ORANE CONNECT MOTOR DRIVE.

This pivoting arm motor drive is suitable for all wooden, steel, aluminium and PVC swing gates, solid or openwork. For greater safety, this motor drive includes deceleration at end of opening and closing cycles as well as obstacle detection. This is a smart device: open it using the Avidsen Home app or from the Google Home and Amazon Alexa voice assistants. A position sensor enables you to remotely check that the gate is closed.





**Compatible with  
with all kinds of gates:**  
(PVC, ALU, Openwork  
wood or steel)



**250 kg per panel**



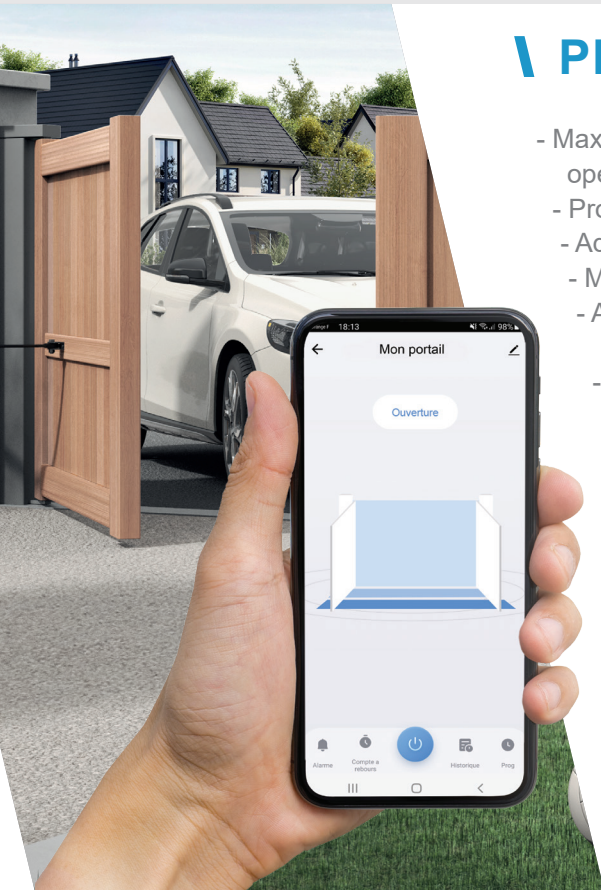
**2.5 m per  
panel**



**24 V**



**Compatible with Avidsen  
Home**  
Option to control your motor  
drive via a smartphone



## PRODUCT BENEFITS

- Maximum 135° inward opening, towards the property and 90° outward opening
- Progressive start and end cycle deceleration (soft open and close)
- Adjustable force, speed and acceleration
- Manual motor unlocking using an override key
- Automatic (after time delay) or semi-automatic closing (the gate can be closed by pressing the remote control)
- Side gate mode (open one single panel or install the motor drive on a side gate)
- Gate opens and closes using the Avidsen Home app as well as Google Home and Amazon Alexa voice assistants (requires a WiFi connection and an Internet subscription)
- The position sensor enables you to remotely check that the gate is closed

Works  
with the app



avidsen  
Home



Works  
with voice assistants



## KIT CONTENTS

- 2 x 24 VDC motors with pivoting arms and integrated electronics
- 2 x 433.92 MHz 4-button remote controls
- 1 flashing light
- 1 set of photocells
- Mounting and fastening brackets
- One Avidsen Home Gate smart module with pre-wired position sensor



# SPECIFICATIONS



## 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
Operating duration time	10 cycles per hour
Maximum number of cycles/day	100
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 24 V flashing light with LED only, included in the kit
Power output	To power the photocells. 3.3 W 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	250 V 1 A time-delay fuse in the power supply connector
Operating temperature	-20°C/+60°C
Protection rating	IP44

## REMOTE CONTROL

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

## WIFI RECEIVER MODULE

Max. power	200 W
Features	Opens gates and garage doors
Connection	Wired 1 output
Cable cross-section	Up to 1.5 mm <sup>2</sup>
Use	Indoors and outdoors
Operating T°	-10°C/+50°C
Storage T°	-20°C/+70°C
Power supply	230 VAC/50 Hz
Average consumption	< 1 W
Position sensor	5 m cable, maximum distance between sensors: 10 mm
Installation	Close to gate or garage door
Colour	White

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

