

# avidsen



SUPPORT  
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GUARANTEE

## TEHA CONNECT SMART MOTOR DRIVE KIT

With actuators - For swing gates

Ref.114174



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24 V



SWING  
GATE



1.75 M  
PER PANEL



150 KG  
PER PANEL



COMPATIBLE WITH ALL  
TYPES OF GATES



OPTION  
BACKUP BATTERY

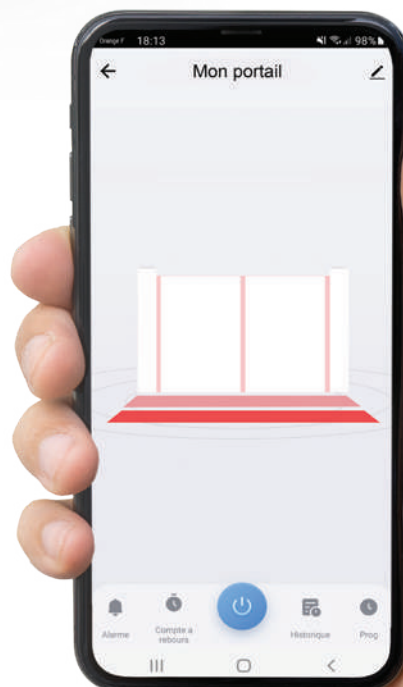


COMPATIBLE WITH  
AVIDSEN HOME

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

This motor drive with actuators is suitable for all wooden, steel, aluminium and PVC swing gates. For greater safety, this motor drive includes deceleration at end of opening and closing cycles as well as obstacle detection.

This smart motor drive can be opened using the Avidsen Home app or 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)



**150 kg per panel**



**1.75 m per panel**



**Backup battery  
option**

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



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



## PRODUCT BENEFITS

- French electronic design
- Adapts to any kind of swing gate
- 24 V motor drive, progressive start and end cycle deceleration
- LED signal lights
- 80 m remote control range in open air
- Automatic stop on encountering an obstacle and reversal of direction to clear it.
- Compatible with all types of audio/video intercom
- Pedestrian access: opens one panel only.
- Option to add a backup battery in the event of a power failure.
- Open and close the gate using the Avidsen Home app, compatible with Google Home and Amazon Alexa (WiFi connection and Internet service required)
- 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 electric actuators 24 VDC equipped with a worm screw system, with mounting brackets
- 1 set of photocells
- 1 electronic control box with easy-to-programme opening and closing cycles
- 2 x 433.92 MHz 4-button remote controls
- 1 LED flashing light
- 1 x smart Avidsen Home Gate module with pre-wired position sensor



# SPECIFICATIONS



## FLASHING LIGHT

|                       |  |
|-----------------------|--|
| Type                  | LED lighting<br>Flashing controlled by the electronic card |
| Power supply          | 24 V impulse relay   |
| Nominal force         | 650 N  |
| Operating temperature | -20°C/ +60°C   |
| Protection rating     | IP44   |

## WIFI RECEIVER MODULE

|                     |  |
|---------------------|--|
| Max. power          | 200W   |
| Features            | Opens gates and garage doors                       |
| Connection          | Wired<br>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  |
| Protection rating   | IP20   |

## ACTUATORS

|                               |  |
|-------------------------------|--|
| Type                          | 24 VDC motors, reduction gear, type: worm gear |
| Power supply                  | 24 VDC   |
| Nominal force                 | 650 N  |
| Speed at rated torque         | 2 cm/sec                                       |
| Consumption at rated strength | 2 A  |
| Cable                         | 50 cm. 2 x 0.75 mm <sup>2</sup> section cables |
| Operating duration time       | 10 minutes                                     |
| Maximum number of cycles/day  | 50   |
| Operating temperature         | -20°C/ +60°C                                   |
| Protection rating             | IP44   |

## ELECTRONIC CONTROL BOX

|  |   |
|--|---|
| Type   | Electronic control box for 2 x 24 VDC actuators   |
| Contents   | 1 AVLO electronic card, 1 x 230 / 20 VAC transformer  |
| Power supply   | 230 VAC / 50 Hz or 24 VDC   |
| Maximum assigned power                                 | 240W  |
| Motor output (- M1 + / - M2 +)                         | 2 outputs for 24 VDC motor<br>- Maximum output current at start for 3 s = 3 A<br>- Maximum output current after start = 2.5 A |
| Flashing light output (- Warn +)                       | Flashing controlled by the electronic card.<br>For 24 V flashing light with LED only (reference 114360)                       |
| +24 VDC power output (+24 V/ GND)                      | To power the photocells. 3.3 W maximum  |
| Photocell input (GND/PHO)                              | Input for dry contact that is normally closed   |
| Input for control device (2B/GND) "2 swing gates"      | Input for dry contact that is normally open (closing the contact triggers a command to set the gate in motion or stop it)     |
| Remote control option for:                             | - The entire gate by dry contact and remote control<br>- Pedestrian access by remote control only                             |
| Number of remote control buttons that can be memorised | 15 with 1 gate command button and 1 pedestrian command button   |
| Protection fuses                                       | Time-delay fuse in transformer 1 A terminal block   |
| Operating temperature                                  | -20°C/+60°C   |
| Protection rating                                      | IP44  |

## REMOTE CONTROL

|                       |  |
|-----------------------|--|
| Type                  | OOK AM modulation. 16-bit Rolling code encoder (i.e. 65,536 possible combinations) |
| Frequency             | 433.92 MHz   |
| Power supply          | 3 V (one CR2032 battery)   |
| Touch-sensitive       | 4 keys   |
| Radiated power        | < 10mW   |
| Battery life          | 1 year at a rate of 10 x 2s uses per day   |
| Operating temperature | -20°C/ +60°C   |
| Protection rating     | IP40 (For indoor use only: home, car or sheltered location)                        |



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