

TALENT
MERGE
TECHNOLOGY
www.tmt-automation.com



YOUR SMART AUTOMATIC GUARD

Integrated automation for garage doors, gates with
security doorbells, security cameras, and more

 **TMT
AUTOMATION INC.**

CONTENTS

ABOUT

TMT

Page 02



Chow!

APP

Page 04

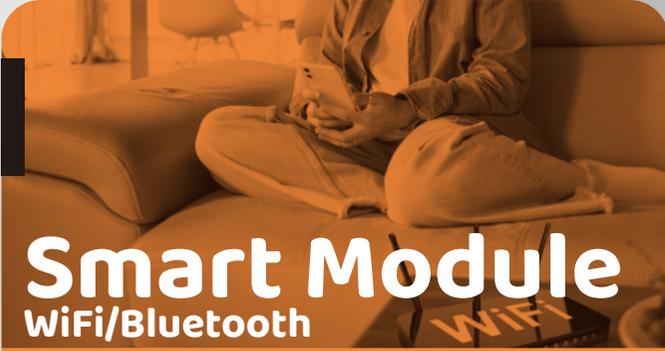
IOT

SOLUTION

Page 06

Application

Page 08



Smart Module

WiFi/Bluetooth

Page 09



NEW

PRODUCT

Page 10



Swing

AUTOMATION

Page 16



Sliding

AUTOMATION

Page 26



Garage Door

AUTOMATION

Page 32

Accessories

Page 38

ABOUT TMT AUTOMATION

TMT started as a small company that manufactured motors and actuator for some of the biggest names in the industry. Over the past decades, over 100 million units of our products have been sold. Throughout the years, our manufacturing and design skills have been honed to surpass the international standards and become a leader in the gate automation industry.

TMT has its own in-house development and production teams, which can guarantee that you have the best products. Each item is rigorously inspected and tested; our quality assurance will exceed even the most scrupulous of standards. Our refined products serve to bring you, our esteemed customers, the best experience possible. Just like us, you have worked hard to be where you are, and that's why you deserve the very best.

90%+

Key Components
made in-house

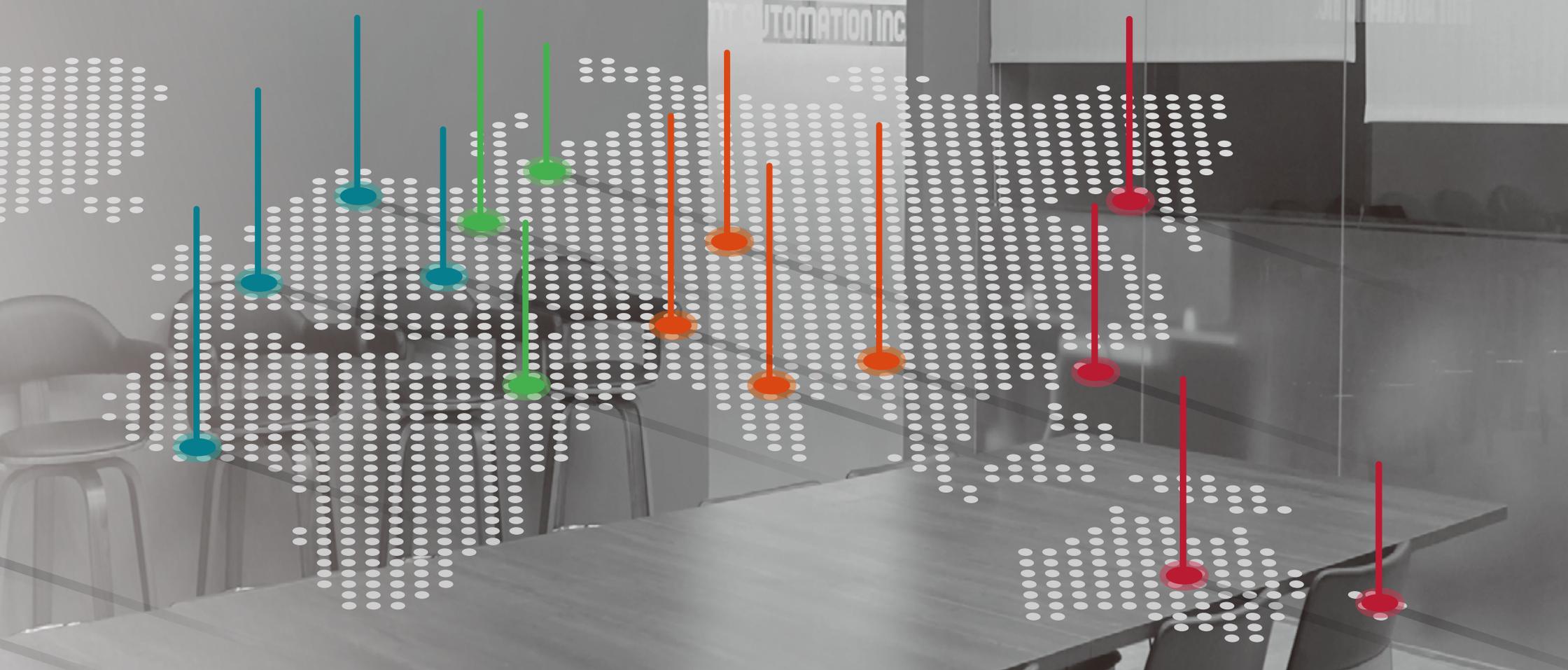
2005

Founded in
Taiwan

ISO 9001 Certified for
Outstanding Quality
Management

We
Serve
Over
50
COUNTRIES





2011

TMT Automation Inc. was founded in Taipei City, Taiwan.

2012



Started producing **DC SWING GATE** automations based in ISO-9001 factory and servicing clients in Asia, Oceania, North America and West Europe.

2013

Started producing **DC SLIDING GATE** automations and expands sales more than 30 countries.



2016



Integrated **IOT** technology to gate automation with CHOW APP.

2018

Launched **AC SLIDING MOTOR** series.



2019



TMT Automation Australia Pty Ltd established.

2020

CHOW! serves **10,000 USERS** globally.



2022



Launched AC swing motor series CHOW! serves **25,000+ USERS**.

PROFESSIONAL GRADE QUALITY

Have you thought about how convenient your life could be with this home automation APP?

Comparing with those remote controls we had back in the day, TMT Chow! can do a lot more. It is not only an accessory for opening and closing doors but also a very thoughtful assistant helping you to manage your home doors anytime, anywhere. With TMT Chow! in hand, no more worries when you are miles and miles away.

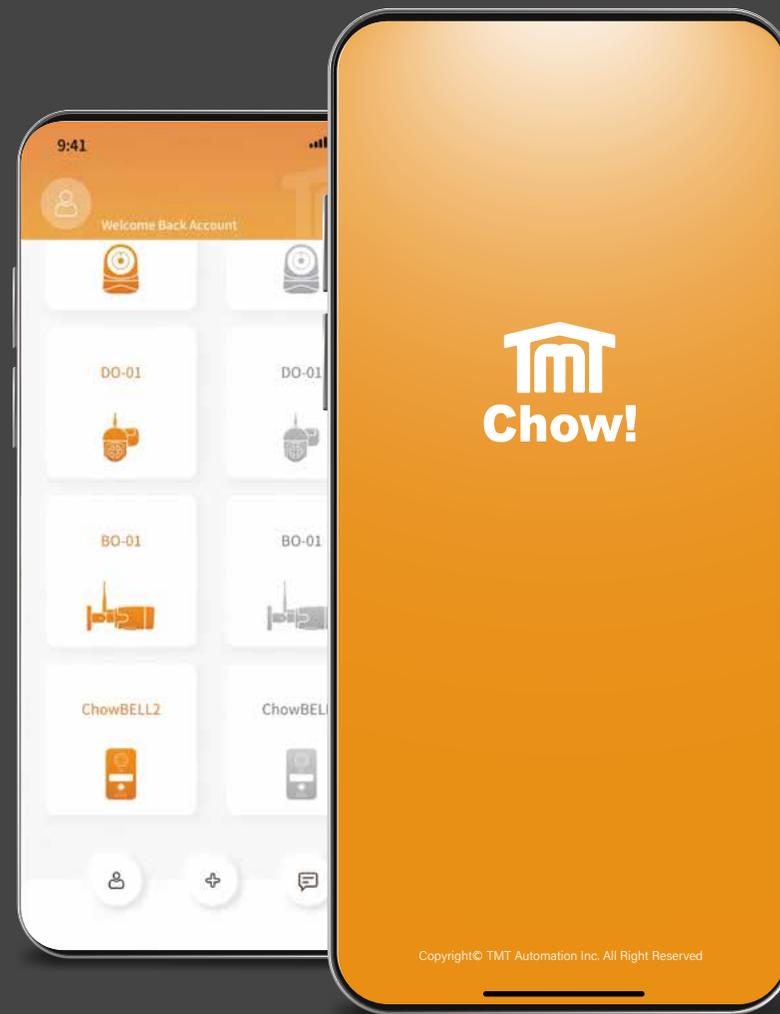
Different from a remote control, TMT Chow! allows you to...

- Control home gates/doors both with mobile data or Wi-Fi wherever you go and with Bluetooth technology when you are nearby.
- Manage multiple devices on this single App.
- Get a phone notification in no time when any modification happens to your gate opener.
- Complete programming without disassemble the opener.

Features that put a smile on everyone's face:

- Intuitive operation for home automation beginners: TMT Chow! is designed based on a real remote control is absolutely easy to use.
- Easier Setup for installers: Instead of disassemble equipment, you can setup by phone and make your work much more efficient.
- Open/Closed notifications for hard working dads: This is necessary if you always have to work late. It allows you to make sure family get home safely and gives you peace of mind.
- Opening or closing gate with a tap for super moms: It is so much easier and faster to open the gate on your phone when kids come home while you are cooking dinner.





Copyright © TMT Automation Inc. All Right Reserved

ChowHUB WBT

Pairing With ChowCAM Series Or ChowBELL For A Thorough Safety Features

Operation the motor with multiple access Wi-Fi / Bluetooth / Remotes.

Dual smartphone connection with Wi-Fi and Bluetooth to switch from remotely and on-site operation.

Removable connection terminals for easy installation
Compatible with a variety of gate openers: Swing gate opener / Sliding gate opener / Garage door opener / Roller shutter.

Compatible with safety devices such as photocells and safety edge.

Able to share to 10 other users for free.



ChowBELL

Ways To Control Access

Smartphones

Biibell allows you to check who rings the doorbell through 2-way audio and open the door on the Eyeopen APP.

RFID cards

RFID cards are supported, enabling multiple users to access electronic door directly. (Large capacity of 5000 users)

-  Video intercom
-  Motion Detection
-  Notification
-  Full HD 1080P
-  Easy Installation

ChowCAM

Set up

in your front entrance & indoor space to make sure every corner of to make sure every corner of your home or office is protected

-  Built-in PIR sensor for motion detection.
-  Worrying the kids haven't returned home? Now you may connect single or multiple IO
-  Built-in high performance IR LED provides illumination up to 25m distance at night.
-  With 100° wide angle lens captures high resolution image and video.



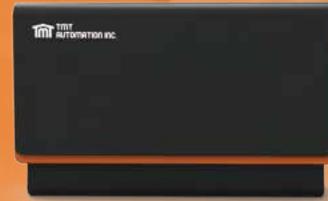
ChowHUB
ChowCAM
ChowBELL



Chow CAM Bullet



Chow BELL 2



Chow HUB



Chow CAM Dome

Application



Swing Gate
Opener



Sliding Gate
Opener



Garage door
Opener



IoT Solution

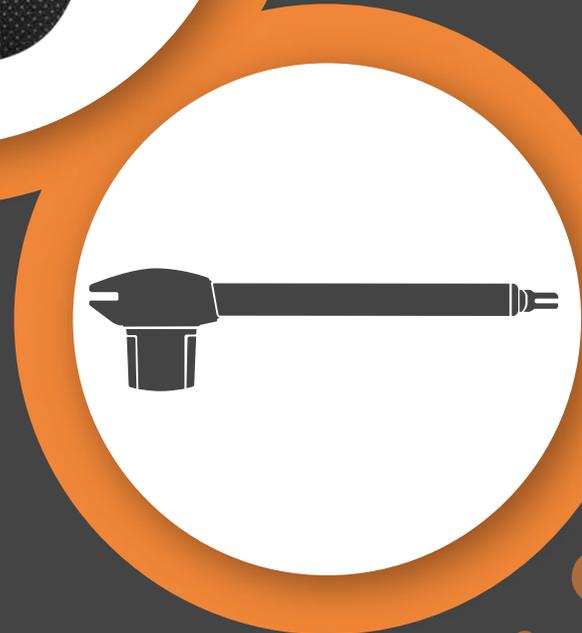
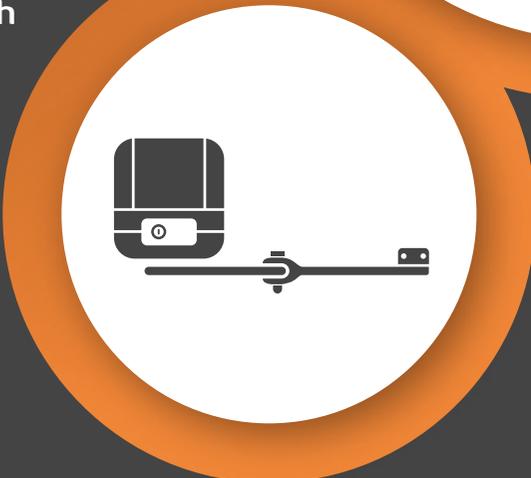
Smart Module

The gate opener with build-in WIFI/Bluetooth module

Our WBT module, a WiFi/Bluetooth connecting device working with CHOW! APP, makes the operation of gate openers easier for anyone who uses smartphones.

The WBT Module integrates the automation of many gates into one smart application, allowing users to monitor and operate their gates from anywhere, anytime.

The WBT module is available for all TMT products. Through ChowHUB, gate operators from other brands can also be integrated into the TMT ecosystem.



AVAILABLE IN 2023 Q1



NEW

CLIFFORD



NEW

ARMSTRONG

SWING GATE



Model	Clifford 400	Clifford 500		Clifford 400/500
Category	Swing Gate Opener	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	3M/350Kg,450Kg	4.5M/450Kg,550Kg	Duty cycle	50%
Motor power supply	24Vdc	24Vdc	Gear type	Worm gear
Power supply	230VAC (50-60Hz)	230VAC (50-60Hz)	Operational current(A)	6 A
Peak thrust	1600 N	1600 N	Absorbed power(w)	144 W
Protection grade(IP)	IP44	IP44	Manual release	Key

SWING GATE



Model	Armstrong 300	Armstrong 400	Armstrong 600		Armstrong 300/400/600
Category	Swing Gate Opener	Swing Gate Opener	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	3M/300Kg	4M/400Kg	5M/500Kg	Duty cycle	50%
Motor power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Operational current(A)	0.87 A
Peak thrust	1900 N	1900 N	1900 N	Absorbed power(w)	180W
Protection grade(IP)	IP44	IP44	IP44	Manual release	Hex key

AVAILABLE IN 2023 Q2



NEW

HERMIT

THE INVISIBLE SWING GATE OPENER

The invisible Gate Opener

- Designed to operate down below the ground which has no apparent motor structure attached on the gate.
- DC swing system for better speed adjustment and slow down.
- Adjustable Open and Close points to determine the travel easily.
- Key release design for power failure

Safe & Easy To Operate

- Compatible with safety device and access control system
- Easy parameters adjusting with digits led display and buttons
- 6 categories / 20+ parameters meet the request of different gates.

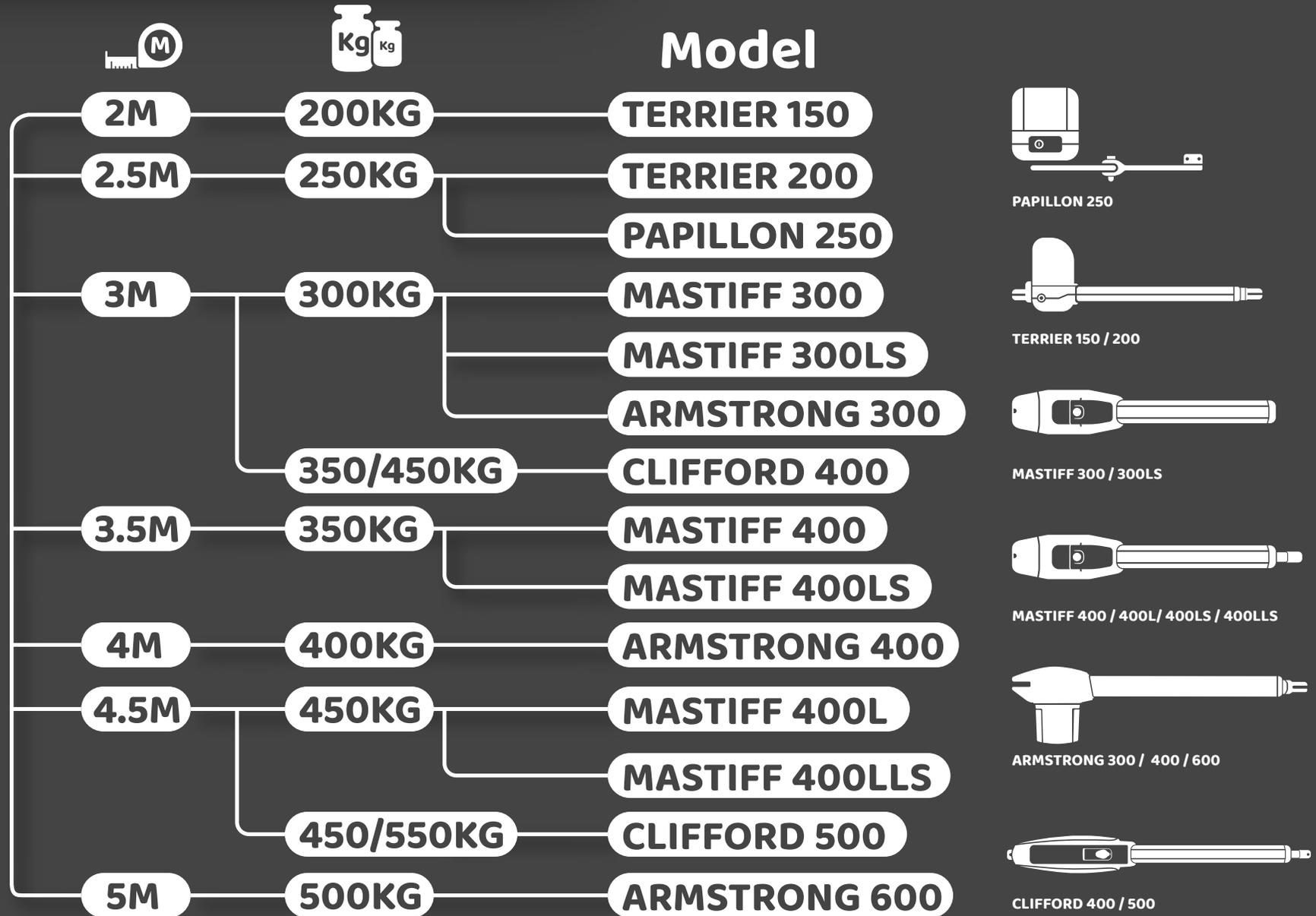
Smartphone control

- Control your gates with TMT Chow! app anytime, anywhere



Model	Hermit		Hermit
Category	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	3.5M/350Kg	Duty cycle	70%
Motor power supply	24Vdc	Gear type	Worm gear
Power supply	230Vac (50Hz)	Operational current(A)	4.2A
Peak thrust	3500N/8000N	Absorbed power(w)	100W
Protection grade(IP)	IP67	Manual release	Key

Selection Guide



PAPILLON 250



TERRIER 150 / 200



MASTIFF 300 / 300LS



MASTIFF 400 / 400L / 400LS / 400LLS

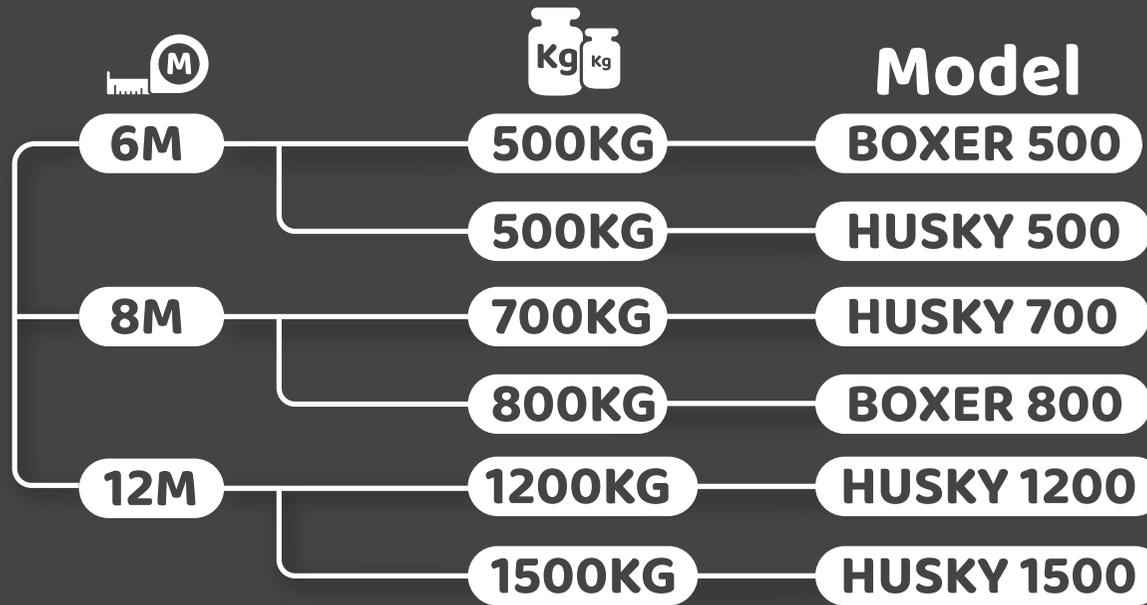


ARMSTRONG 300 / 400 / 600

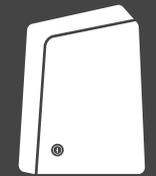


CLIFFORD 400 / 500

Sliding



BOXER 500 / 800



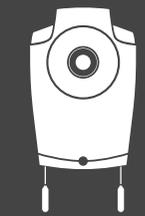
HUSKY 700 / 1200 / 1500



MARBLE 80 / 100 / 120

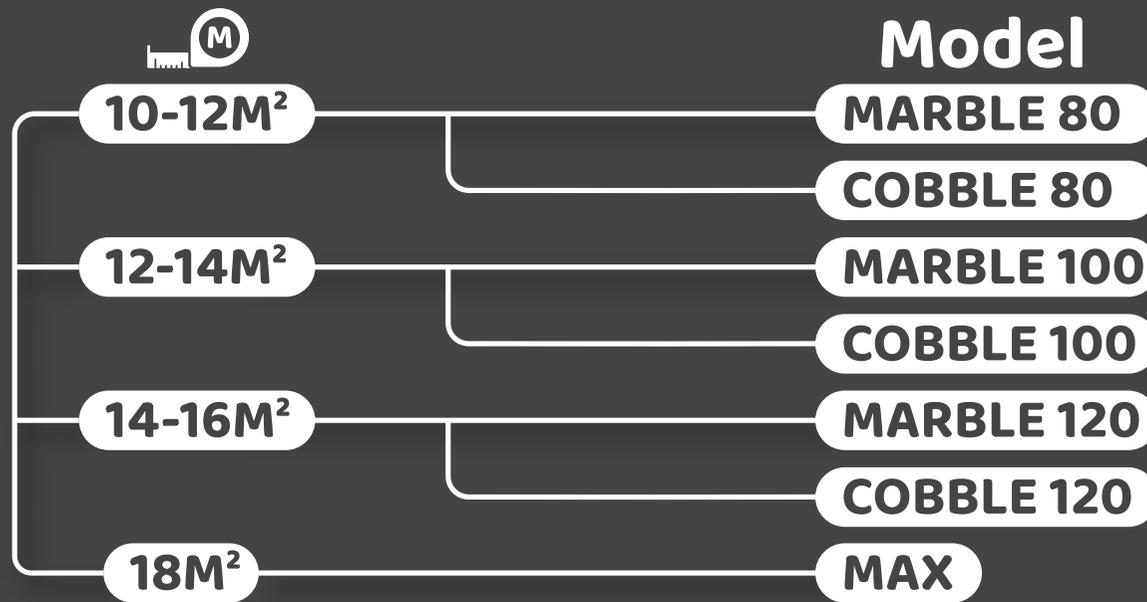


COBBLE 80 / 100 / 120

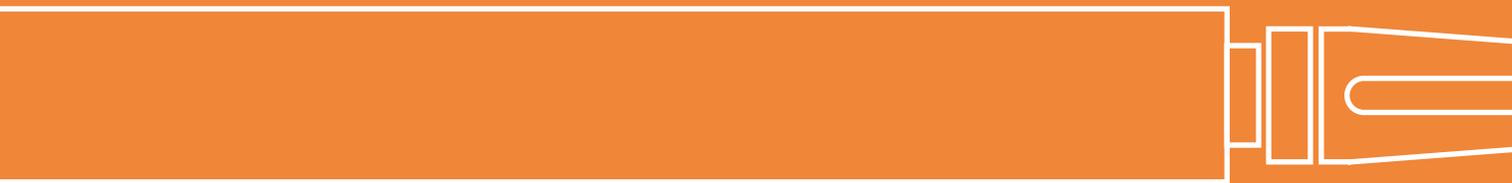


MAX

Garage

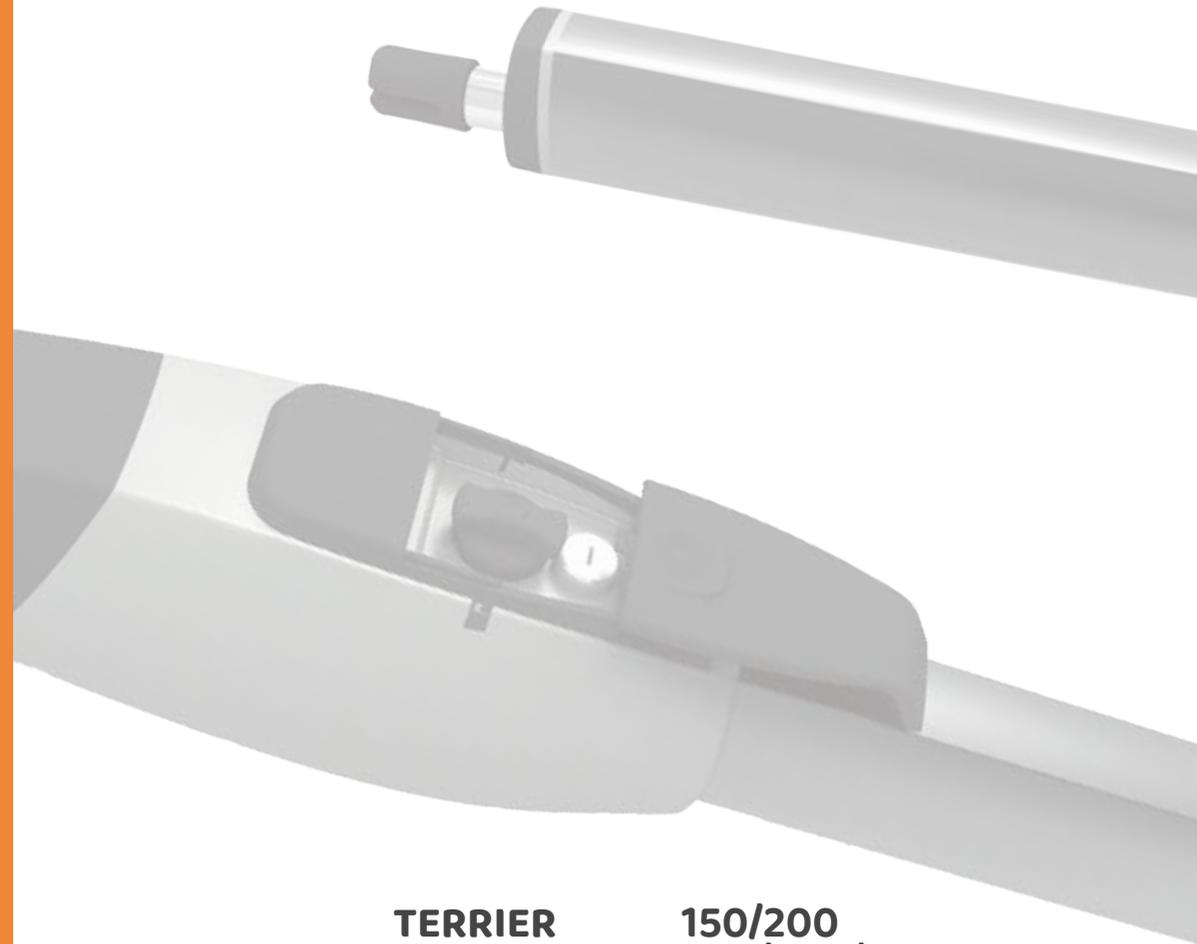


AUTOMATION SWING GATE



AUTOMATION FOR SWING GATES

01

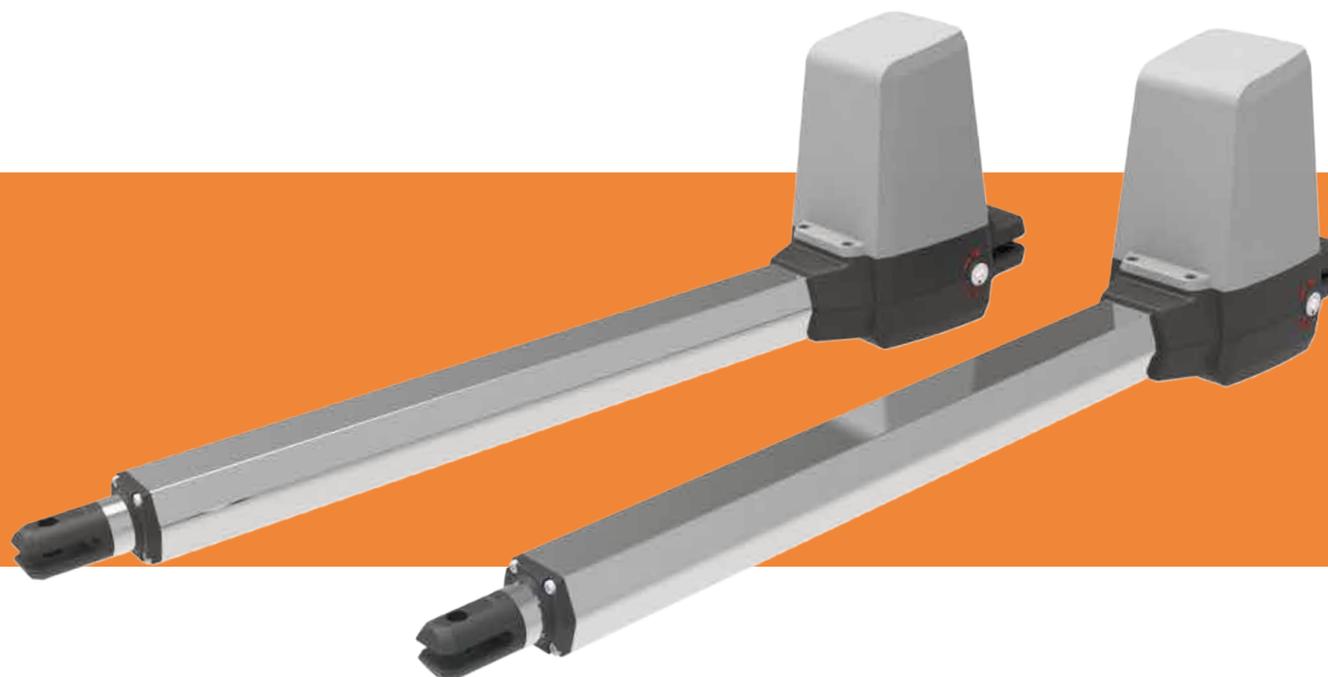


TERRIER	150/200
MASTIFF	300/400/400L
MASTIFF LS	300LS/400LS/400LLS
PAPILLON	250

Guaranteed Quality Easy Maintenance

**Build for high duty cycles for intensive use.
Manual release available for emergencies.**

TERRIER



Model	Terrier 150	Terrier 200		Terrier 150/200
Category	Swing Gate Opener	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	2M/200Kg	2.5M/250Kg	Duty cycle	50%
Motor power supply	24Vdc	24Vdc	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Operational current(A)	4.2 A
Peak thrust	2000N	2500N	Absorbed power(W)	100W
Protection grade(IP)	IP44	IP44	Manual release	Allen Key



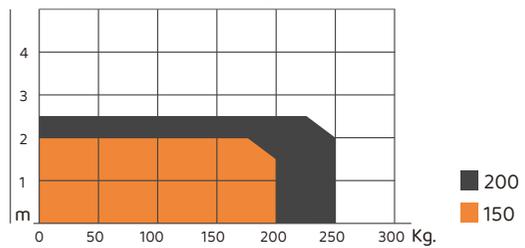
Economical Choice For Light

Corrosion resistant treatment for metal surfaces allow motors to handle extreme weather. Strong structure with durable materials supports intensive use.

Easy Manual Release

Gates are able to be released effortlessly with a allen key in the case of power failure.

Application Diagram

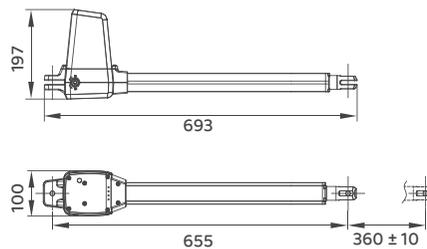


Features :

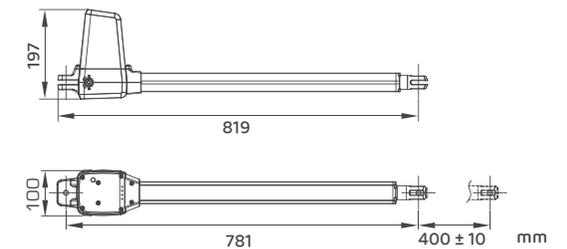
- 24Vdc gear motor for safety installation and residential usage
- Two back-up batteries for non-stop operation (optional)
- Over-current function setting meets European safety regulation
- Soft starting and Soft closing
- Stainless screws and brackets give great resistance to critical environments

Dimensions

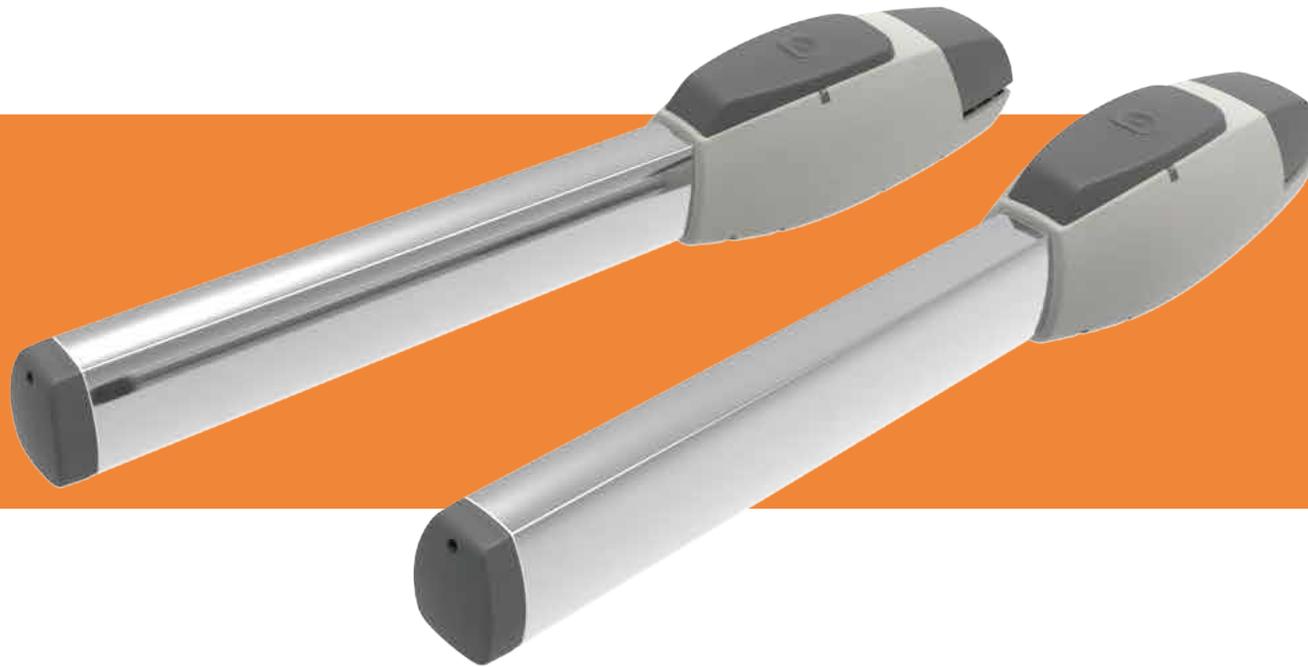
Terrier 150



Terrier 200



MASTIFF



Model	Mastiff 300	Mastiff 400	Mastiff 400L		Mastiff 300/400/400L
Category	Swing Gate Opener	Swing Gate Opener	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	3M/300Kg	3.5M/350Kg	4.5M/450Kg	Duty cycle	50%
Motor power supply	24Vdc	24Vdc	24Vdc	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Operational current(A)	5.5 A
Peak thrust	3000N	3500N	4500N	Absorbed power(w)	144W
Protection grade(IP)	IP44	IP44	IP44	Manual release	Key



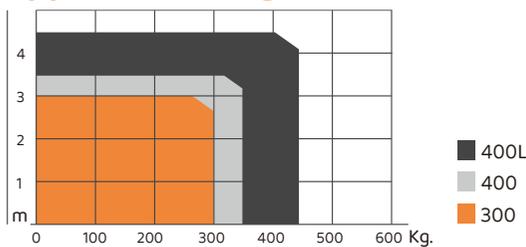
Motor durability

Aluminum extrusion external tube with special anode surface treatment provides excellent durability. Worm gear provides durability and silence in motor operation.

Built-in

Built-in Limit Switch is optionally adjustable in opening and closing. Built-in Encoder is optional for intelligent calculation of motor movement.

Application Diagram

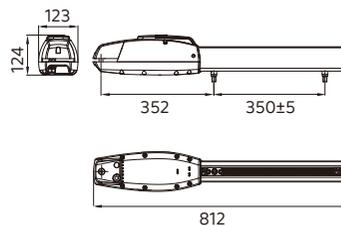


Features :

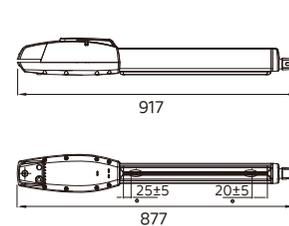
- 24Vdc electromechanical heavy duty 5540/2600RPM gear motor
- Save up to 50% on installation time
- Precise adjustment of open/close position
- Customized key for easy manual release device
- Backup battery (optional)

Dimensions

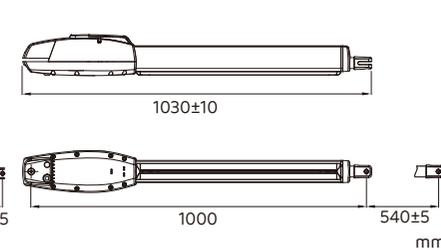
Mastiff 300



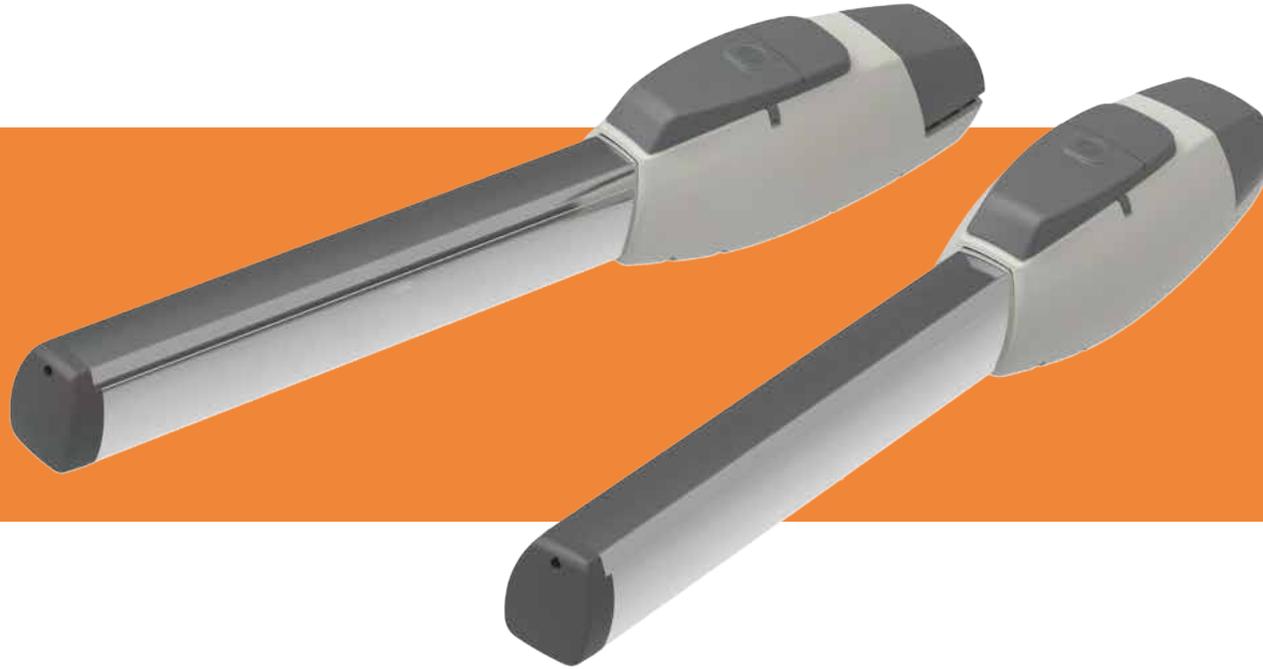
Mastiff 400



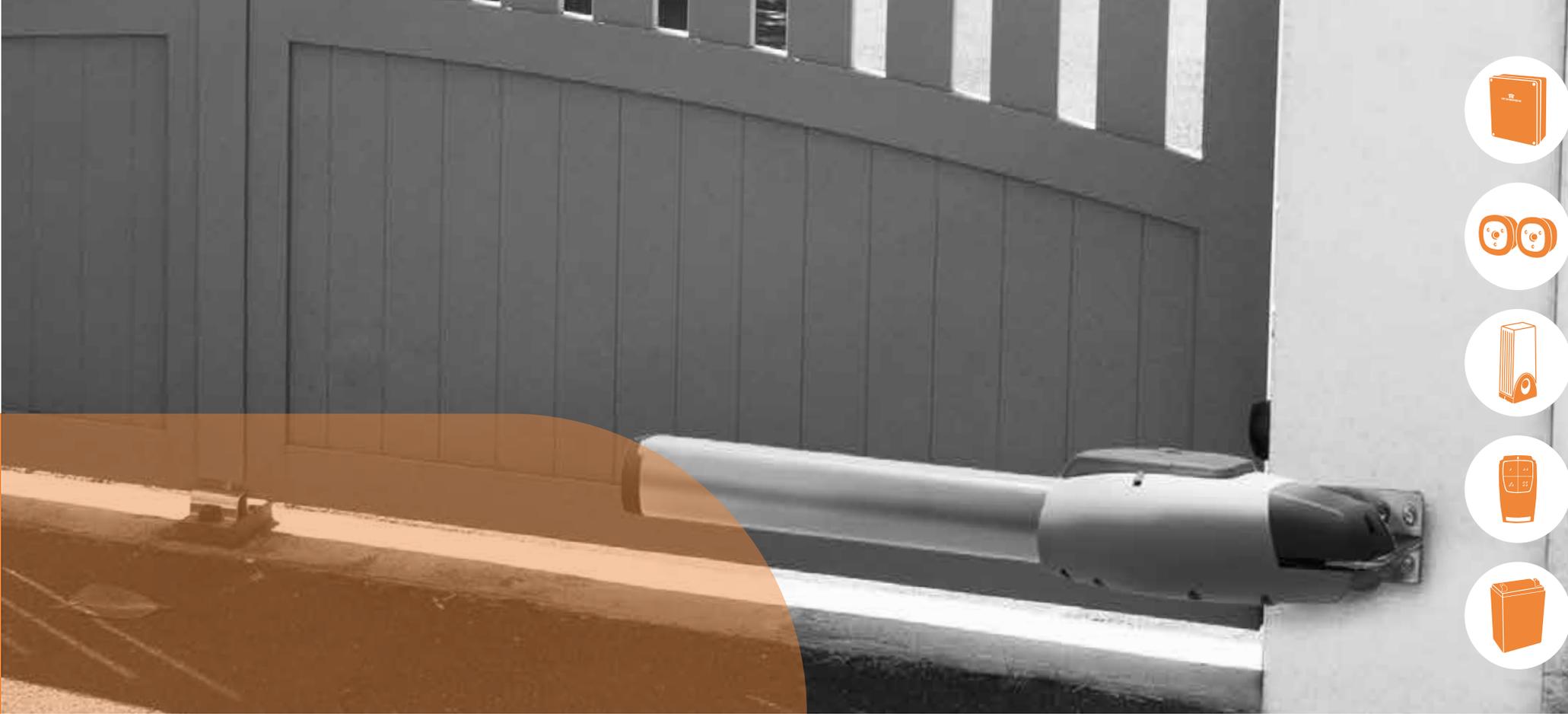
Mastiff 400L



MASTIFF LS



Model	Mastiff 300LS	Mastiff 400LS	Mastiff 400LLS		Mastiff 300LS/400LS/400LLS
Category	Swing Gate Opener	Swing Gate Opener	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	3M/300Kg	3.5M/350Kg	4.5M/450Kg	Duty cycle	50%
Motor power supply	24Vdc	24Vdc	24Vdc	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Operational current(A)	5.5 A
Peak thrust	3000N	4000N	4500N	Absorbed power(w)	144W
Protection grade(IP)	IP44	IP44	IP44	Manual release	Key



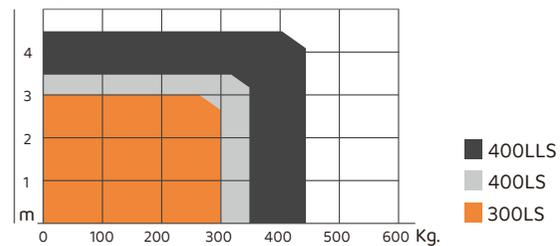
Motor durability

Aluminum extrusion external tube with special anode surface treatment provides excellent durability. Worm gear provides durability and silence in motor operation.

Built-in

Built-in Limit Switch is optionally adjustable in opening and closing. Built-in Encoder is optional for intelligent calculation of motor movement.

Application Diagram

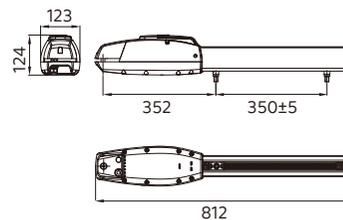


Features :

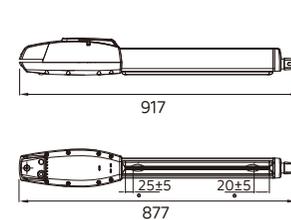
- 24Vdc electromechanical heavy duty 5540/2600RPM gear motor
- Save up to 50% on installation time
- Precise adjustment of open/close position
- Back up batteries available

Dimensions

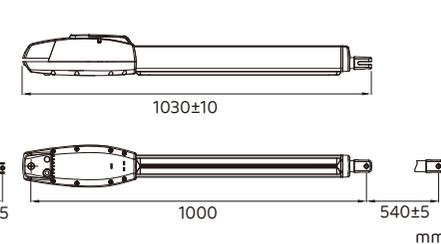
Mastiff 300



Mastiff 400



Mastiff 400L



PAPILLON



Model	Papillon 250		Papillon 250
Category	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	2.5M/250Kg	Duty cycle	70%
Motor power supply	24Vdc	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	Operational current(A)	5.5 A
Peak thrust	2500N	Absorbed power(W)	144W
Protection grade(IP)	IP44	Manual release	Key



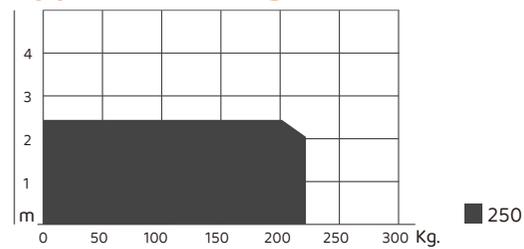
Provide on demand

Customers can choose to use a hall sensor, limit switch or stopper based on their requirements. Aluminum die-casting and steel metal stamping arms are available.

Built-in

Remotely open and close gates with Chow! App
 Programming the motor through Chow! App
 Secure your house even better with ChowCAM and ChowBELL

Application Diagram

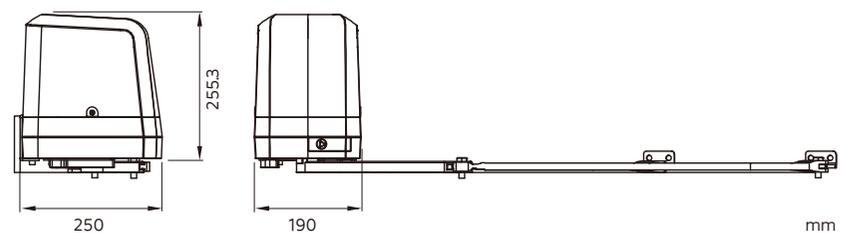


Features :

- Spaceless Installation for gates under 250 kg
- Variable Motor Type
- Built-in Smart Control

Dimensions

Papillon 250



AUTOMATION SLIDING GATES



AUTOMATION FOR SLIDING GATES

02



**BOXER
HUSKY**

**500/800
500/700/
1200/1500**

Stylish Design Reliable Functions

**Motor speed can go up to 33cm/s with 500kg force.
Manual release is available when meeting emergencies.**

BOXER



Model	Boxer 500	Boxer 800		Boxer 500 / 800
Category	Swing Gate Opener	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	6M/500Kg	8M/800Kg	Duty cycle	70%
Motor power supply	12/24Vdc	24Vdc	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Operational current(A)	5.5 A for maximum 10 secs
Peak thrust	5000N	8000N	Absorbed power(W)	144w
Protection grade(IP)	IP44	IP44	Manual release	Key



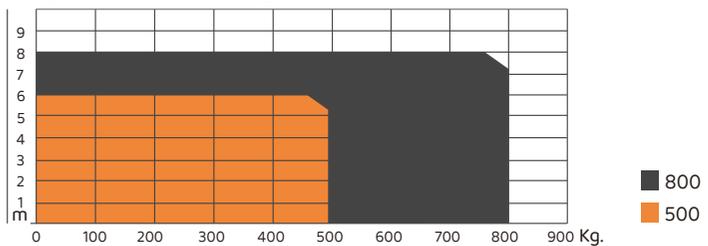
Provide on demand

Allows users to monitor the motor operation status through the LED display panel on the control board
 Motor speed can go up to 33cm/s with 500kg force
 Using specific key to release which is more secure

Built-in

Remotely open and close gates with Chow! App.
 Programming the motor through Chow! App.
 Secure your house even better with ChowCAM and ChowBELL.

Application Diagram

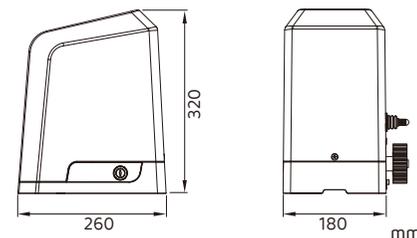


Features :

- Motor Current Detection
- High Speed Version
- Effortless Quick Release Device
- Built-in Smart Control

Dimensions

Boxer 500 / 800



HUSKY



Model	Husky 500 / 700	Husky 1200 / 1500		Husky 500/700/1200/1500
Category	Swing Gate Opener	Swing Gate Opener	Working /Operating temperature	-20°C to +50°C
Max gate length / Max gate weight	6M/500Kg , 8M/700Kg	12M/1200Kg , 12M/1500Kg	Duty cycle	70%
Motor power supply	230Vac (50-60Hz)	230Vac (50-60Hz)	Gear type	Worm gear
Power supply	230Vac (50-60Hz)	230Vac (50-60Hz)	Operational current(A)	0.8 A/1.32 A/1.85 A/1.94 A
Peak thrust	5000N / 5000N	12000N / 15000N	Absorbed power(W)	250W/305W/420W/440W
Protection grade(IP)	IP54	IP54	Manual release	Allen Key



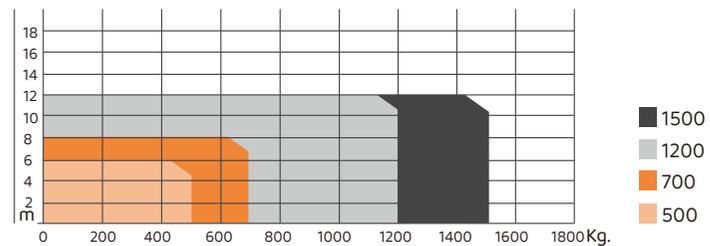
Provide on demand

The control panel uses rotary knob for adjusting overcurrent and resistance
 AC motor with great force up to 1500Kg output

Built-in

Remotely open and close gates with Chow! App.
 Programming the motor through Chow! App.
 Secure your house even better with ChowCAM and ChowBELL.

Application Diagram

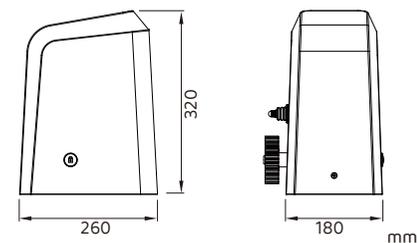


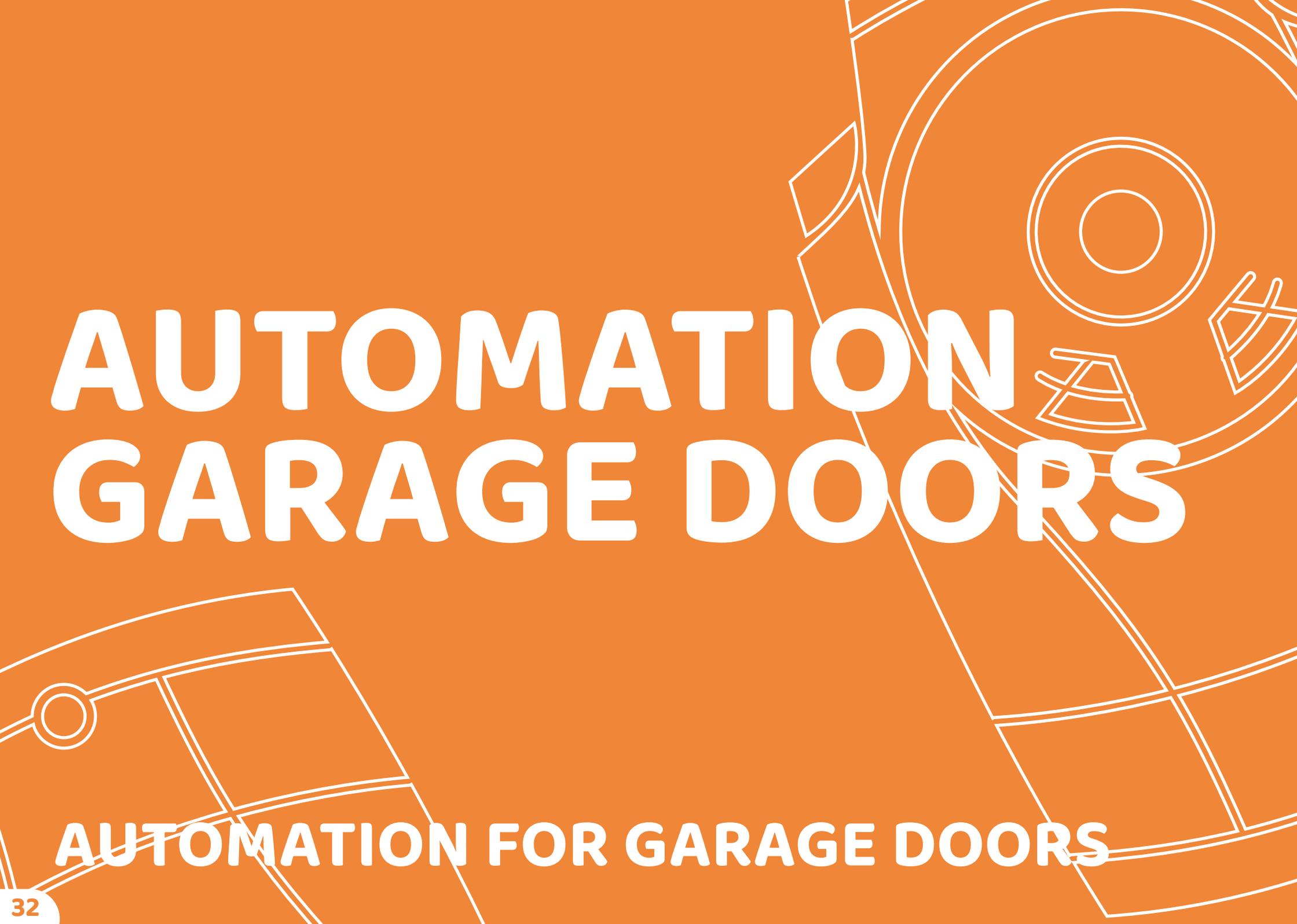
Features :

- User Friendly Design
- Perfect for Heavy gate Application
- Built-in Smart Control

Dimensions

Husky 700/1200/1500





AUTOMATION GARAGE DOORS

AUTOMATION FOR GARAGE DOORS

03



**MAX
MARBLE
COBBLE**

**80/100/120
80/100/120**

Powerful, Enduring and Safe Recommend

Soft start/stop operation can extend hardware life and reduce maintenance.

Motor built-in with LED light (specific model)

COBBLE



Model	Cobble 80	Cobble 100	Cobble 120		Cobble 80 /100/120
Category	Garage Door Opener	Garage Door Opener	Garage Door Opener	Working /Operating temperature	-20°C to +50°C
Rail length	3.3/3.6/3.9M	3.3/3.6/3.9M	3.3/3.6/3.9M	Duty cycle	20%
Motor power supply	24Vdc	24Vdc	24Vdc	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Operational current(A)	3.33 A/4.17 A/5 A
Peak thrust	800N	1000N	1200N	Absorbed power(w)	80w/100w/120w
Rated door area	16m ²	18m ²	24m ²	Lighting system	LED



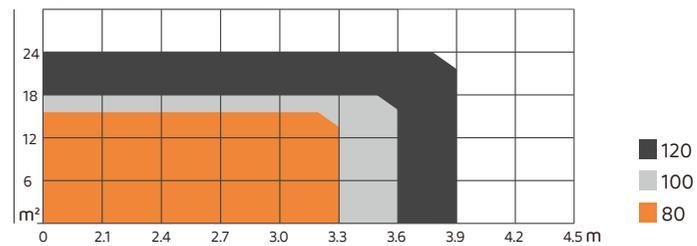
Auto Detection

Allows users to check the current status of the motor while in operation.

Smartphone Control

Remotely open and close doors with the Chow! app. Programming the motor through Chow! app. Extra home security and convenience with the Chow! Cam from anywhere and on any device.

Application Diagram

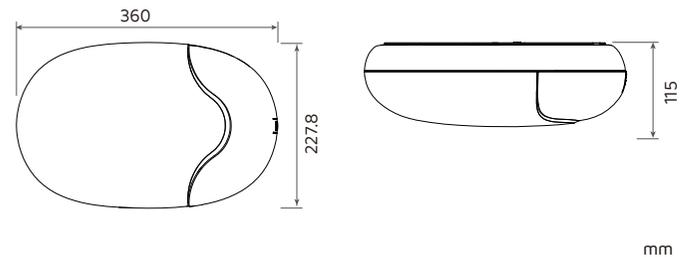


Extra Safety

- Smooth operation with soft start/stop
- Obstruction detection sensor
- Lighten up every corner of your garage

Dimensions

Cobble 80 /100/120



MARBLE



Model	Marble 80	Marble 100	Marble 120		Marble 80 /100/120
Category	Garage Door Opener	Garage Door Opener	Garage Door Opener	Working /Operating temperature	-20°C to +50°C
Rail length / Rated door area	3.3/3.6/3.9M	3.3/3.6/3.9M	3.3/3.6/3.9M	Duty cycle	20%
Motor power supply	24Vdc	24Vdc	24Vdc	Gear type	Worm gear
Power supply	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	110-240VAC (50-60Hz)	Operational current(A)	3.33 A/4.17 A/5 A
Peak thrust	800N	1000N	1200N	Absorbed power(w)	80w/100w/120w
Rated door area	16m ²	18m ²	24m ²	Lighting system	LED



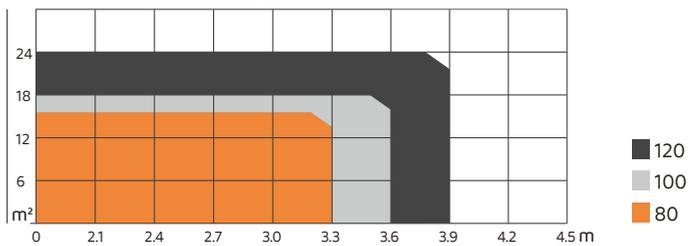
Provide on demand

Additional backup battery is available which allows you to open/close your door even when the power is out.
Soft start/stop operation can extend hardware life and reduce maintenance.
Motor built-in with LED light.

Built-in

Remotely open and close gates with Chow! App.
Programming the motor through Chow! App.
Secure your house even better with ChowCAM and ChowBELL.

Application Diagram

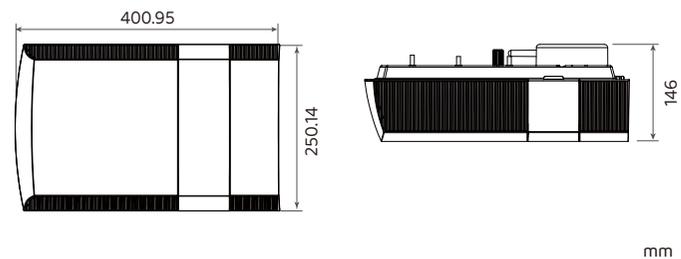


Features :

- Built-in Smart Control
- Extra Safety
- Tranquillity

Dimensions

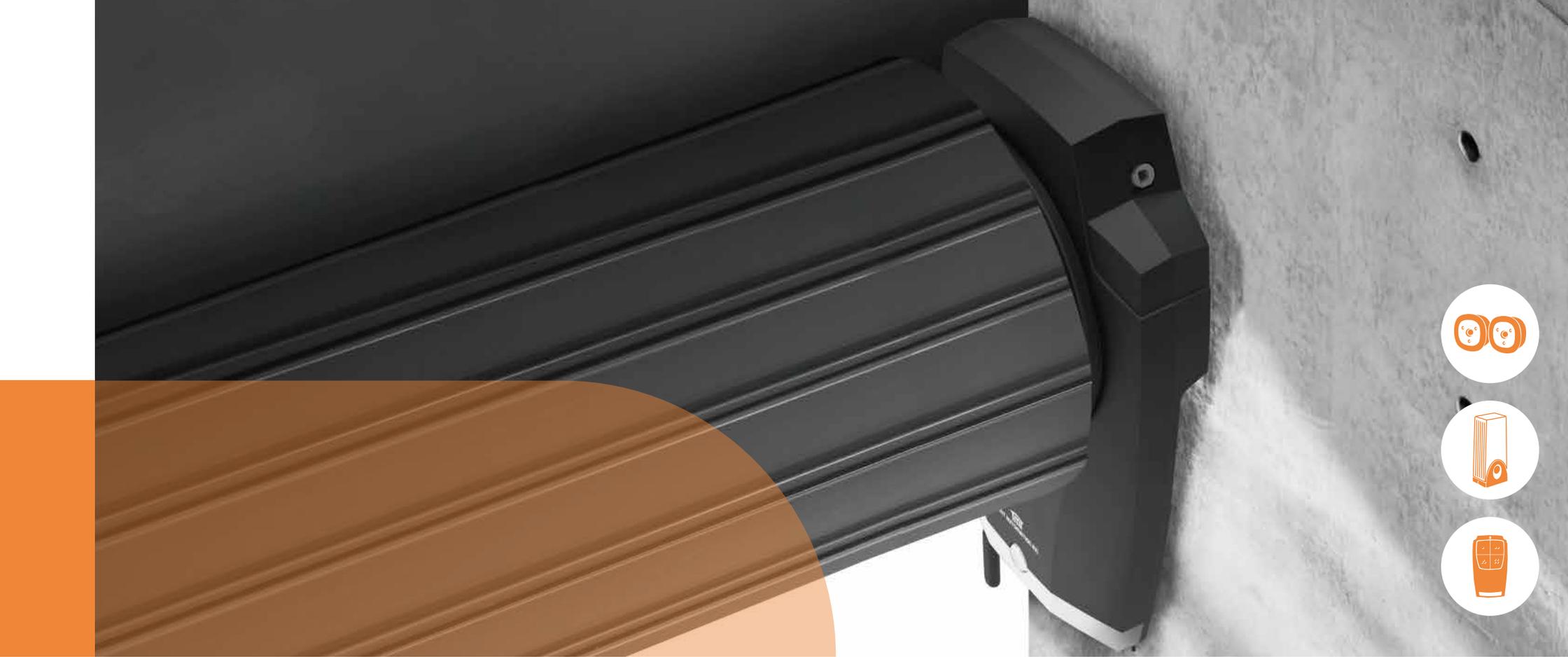
Marble 80 /100/120



MAX



Model	Max		Max
Category	Garage Door Opener	Working /Operating temperature	+5°C to +40°C
Rated door area / Max gate weight	18m ² /120kg	Duty cycle	20%
Motor power supply	24Vdc	Gear type	Worm gear
Power supply	110-230Vac(50-60Hz)	Operational current(A)	3 A
Peak thrust	650N	Absorbed power(W)	120 W
Protection grade(IP)	IP44	Controller voltage	24Vdc



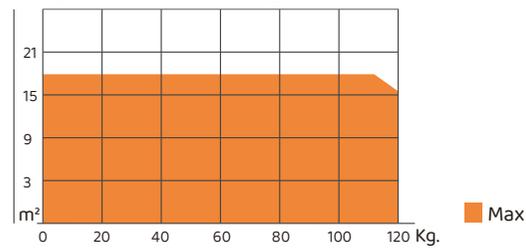
Provide on demand

Additional backup battery is available which allows you to open/close your door even when the power is out
Soft start/stop operation can extend hardware life and reduce maintenance

Built-in

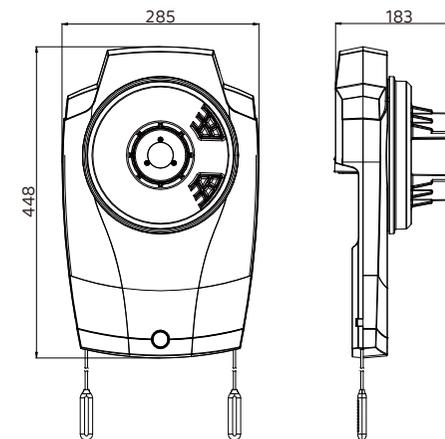
Remotely open and close gates with Chow! App
Programming the motor through Chow! App
Secure your house even better with ChowCAM and ChowBELL

Application Diagram



Dimensions

Max

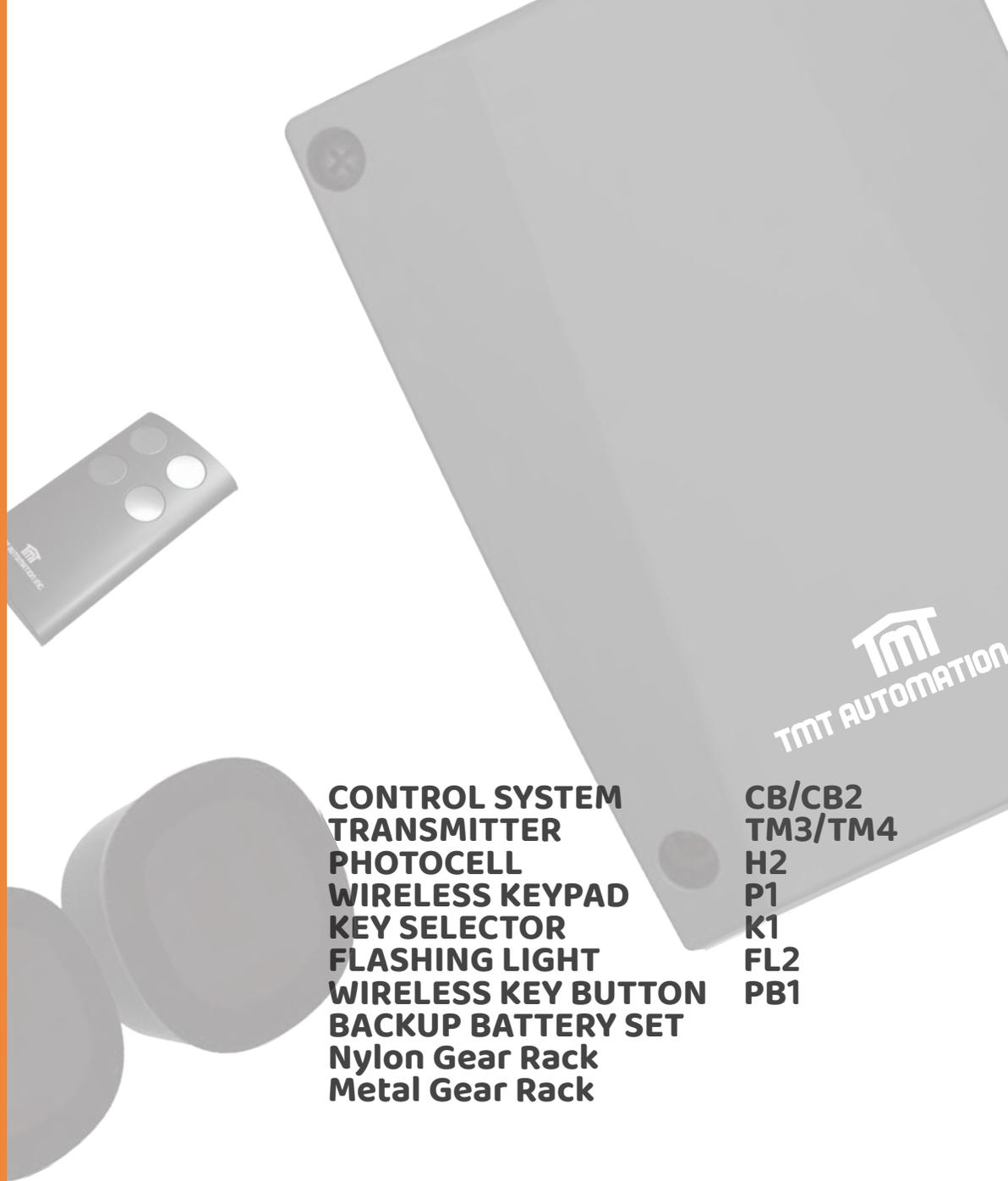


mm

AUTOMATION ACCESSORIES

AUTOMATION FOR ACCESSORIES

04



CONTROL SYSTEM
TRANSMITTER
PHOTOCELL
WIRELESS KEYPAD
KEY SELECTOR
FLASHING LIGHT
WIRELESS KEY BUTTON
BACKUP BATTERY SET
Nylon Gear Rack
Metal Gear Rack

CB/CB2
TM3/TM4
H2
P1
K1
FL2
PB1

ACCESSORIES

Control System



Control System CB

Model
Control System
Power
Power input 110VAC/
230VAC are both available

Backup Batteries
Two backup batteries
for power failure (optional)
Built-in
Built-in RF receiver

Regulation
European
safety regulation



Control System CB2

Model
Control System
Power
Power input 110VAC/
230VAC are both available

Backup Batteries
Two backup batteries
for power failure (optional)
Built-in
Built-in RF receiver

Regulation
European
safety regulation

Transmitter



Transmitter TM4

Model Transmitter

Channel Transmitter
Four-channel transmitter
with programmable features

Features
Foolproof design with
lock buttons on the side



Transmitter TM3

Model Transmitter

Channel Transmitter
Four-channel transmitter
with programmable features

Features
Up to 50m transmitting distance
315/433MHz frequency available

ACCESSORIES

Photocell



**Photocell
H2**

Model Photocell

Sensing Range
Safety device for up to 15m sensing range

Features
Waterproof design for outdoor environment

Wireless Keypad



**Wireless Keypad
P1**

Model
Wireless Keypad

Frequency
433.92MHz frequency
IP Ratings
IP54

Features
Requires 2 AAAA batteries
50m transmission distance

Key Selector



**Key Selector
K1**

Model
Key Selector

IP Ratings
IP54

Features
Easy installation and intuitive operation

ACCESSORIES

Battery For Gate Opener



**Swing
Backup Battery**

Model
Backup Battery Set

Application
Swing gate
Voltage
12V/2.2A x 2pcs

Dimension
70 x 47 x 103mm



**Sliding
Backup Battery**

Model
Backup Battery Set

Application
Sliding gate
Voltage
12V/1.3A x 2pcs

Dimension
98 x 44 x 58mm

Rack



**Metal
Rack**

Model Metal

Dimension
1000 x 30 x 10mm



**Nylon
Rack**

Model Nylon

Dimension
1022 x 26.3 x 19.7mm

ACCESSORIES

Flashing Light



Flashing Light
FL2

Model
Flashing Light

Power Supply
24Vdc
Available
with LED or
E14 15W light bulb

Dimension
85 x 60.5 x 40.5mm

Wireless Key Button



Wireless Key Button
PB1

Model
Wireless Key button

Application
Indoor use
Dimension
70 x 120 x 14mm

Features
Transmitting distance up to 50m
4 Channel for programming
1 pc A23 12V battery included
433MHz frequency available

