

AVANTI®

➤ 2014
PRODUCT
CATALOGUE



AVANTI

AVANTI



Garage Door Opener

AVANTI

➤ T-Series



Page 8

➤ S-Series



Page 10

➤ SX-Series



Page 12

➤ Accessories

Page 14



> T-Series

NEW

Technical Specifications	T5/500	T6/600	T8/800
Max. Area - (Insulated Steel Panel)	6 m ²	8 m ²	12 m ²
Max. Area - (Wooden Panel)	not suitable	not suitable	not suitable
Maximum Speed	160 mm/s	160 mm/s	140 mm/s
Duty Cycle	30%	30%	30%
Nominal Input Voltage	230V AC ± 10%	230V AC ± 10%	230V AC ± 10%
Motor	24V DC / 60W	24V DC / 60W	24V DC / 80W
Transformer	75VA	110VA	110VA
Degree of Protection	IP40	IP40	IP40
Operating Temperature	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Radio	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 12 Transmitter	Standard 2, Max. 12 Transmitter	Standard 2, Max. 12 Transmitter
Maximum Distance	80 m	80 m	80 m
Speed Regulation	Yes	Yes	Yes
Slow Start/Stop Function	Yes	Yes	Yes
Safety Obstruction Sensing	Yes	Yes	Yes
Weight	5 kg	5 kg	5 kg

Rail	Steel 1-piece	Steel 3-piece	Aluminum 1-piece	Aluminum 3-piece
Standard Door Height	2400 mm	2400 mm	2400 mm	2400 mm
Extension Kit	Extensible with: 001-08080-001 , 500mm	Extensible with: 001-08080-001 , 500mm	Not Available	Not Available
Maximum Door Height	2900 mm	2900 mm	2400 mm	2400 mm
Material, Length, Thickness	Steel/Chain, 3050mm, 1.2mm	Steel/Chain, 3050mm, 1.2mm	Alum/Belt, 3050mm, 2.0mm	Alum/Belt, 3050mm, 2.0mm

Features

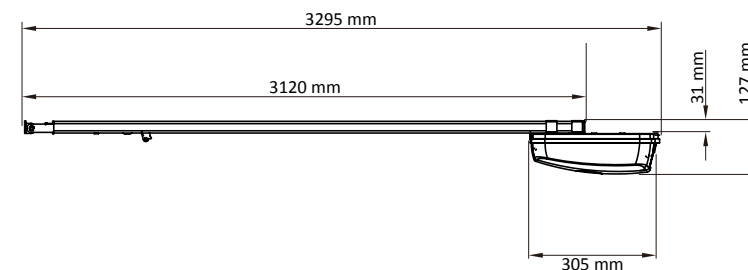
- > Ultra Quiet.
- > Highly Durable.
- > Easy Installation and Setup.

Application Diagram



■ T5/500 ■ T6/600 ■ T8/800 ▨ T8/800 With Extension Kit

Dimensions



> T-Series

Rail

Available in Zinc Plated Steel or Anodised Aluminium Extrusion for maximum protection and precision rolled to ensure perfect shape and maximum strength for the life of the product.

Mounting Block

Why adapt the garage to suit the opener when your garage door opener can adapt to suit the garage? The sliding Mounting Block can be position within a fore and aft range of 500mm to align with an appropriate fixing point in the garage.

Chain/Belt

Durable and Quiet Chain/Belt. Mainainance free for the lifetime of the product.

Motor

T-Series DC-Motors have been designed from the ground up to suit the rigours of garage door openers. In-Build Hall Sensor provides precise limit settings.

Control System

User friendly digital display with colour coded control buttons.

Engineering Plastics

A complete AVANTI Operating System is comprised of no less than five different types of engineering plastics. Each compound has been specifically selected to provide strength, longevity and aesthetic appeal.

Courtesy Light

Using modern LED lighting technology. Automatically activates each time you use the garage door. Can also be independently activated by Hand-Transmitter.

Release Mechansim

Enables Manual Operation in case of power cut.





> S-Series

Technical Specifications

S12

Max. Area - (Insulated Steel Panel)	8 m ² (with 1.2mm rail) / 10 m ² (with 2.0mm rail)
Max. Area - (Wooden Panel)	not suitable
Maximum Speed	160 mm/s
Duty Cycle	30%
Nominal Input Voltage	230V AC ± 10%
Motor	24V DC / 60W
Transformer	110VA
Degree of Protection	IP40
Operating Temperature	-30°C to +60°C
Radio	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 12 Transmitter
Maximum Distance	80 m
Speed Regulation	Yes
Slow Start/Stop Function	Yes
Safety Obstruction Sensing	Yes
Weight	4.5 kg

Rail	Steel 1-piece 1.2mm	Steel 3-piece 1.2mm	Steel 3-piece 2.0mm
Standard Door Height	2400 mm	2400 mm	2400 mm
Extension Kit	Not Available	Not Available	Yes: 001-08081-001, 353mm 001-08082-001, 1016mm
Maximum Door Height	2400 mm	2400 mm	3500 mm
Material, Length, Thickness	Steel/Chain, 3164mm, 1.2mm	Steel/Chain, 3164mm, 1.2mm	Steel/Chain, 3164mm, 2.0mm

Features

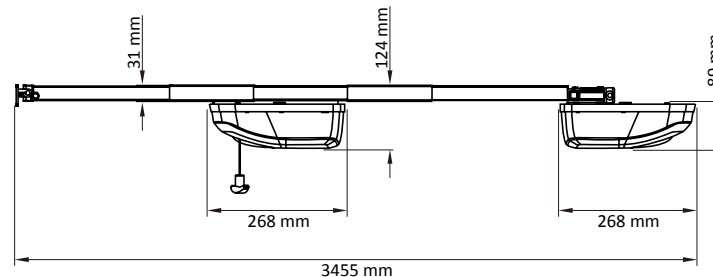
- > Traveling Motor - Fixed Chain technology.
- > Self-locking motor allows for engaging and disengaging of garage door at any position in the event of a power cut.
- > Safety obstruction sensing.

Application Diagram



■ S12 (1.2mm) ■ S12 (2.0mm) ▨ S12 (2.0mm) With Extension Kit

Dimensions



> S-Series

Mounting Block

Why adapt the garage to suit the opener when AVANTI can adapt to suit the garage? The Sliding mounting block can be positioned within a fore and aft range of 750mm to align with an appropriate fixing point of the garage.

Rail

Zinc plated for maximum protection and precision rolled to ensure perfect shape and maximum strength for the life of the product.

Motor

AVANTI boasts the only DC motor in the world which has been specifically designed to meet the high demands of garage door openers. Traditional DC openers use a windscreen wiper motor borrowed from a car. The AVANTI DC motor has been designed from the ground up to suit the rigours of garage door openers and is the ONLY DC motor of its type to offer 2 roller bearings on the drive shaft.

Chain Tensioning

Over tensioned and under tensioned chains are now a thing of the past. No more guesswork - simply tighten the chain tensioning bolt until it aligns with the arrow tip and tensioning springs will take care of the rest.

Release Handle

Ergonomically designed for comfortable use the release handle manages to combine form and function in one stylish package.



Chain

Nickel plated for ultimate corrosion resistance the unique stationary chain eliminates all the "rattle and clunk" normally associated with conventional chain drive systems.

Control System

Hinge open the light cover to expose the colour coded and clearly labeled controls and connections. No other comparable product combines such functionality and user friendliness.

Mechanical Limits

1 to 1 ratio mechanical limits will never shift and cannot be affected by power outage or power spikes - just 2 of the many syndromes that plague openers with electronic limit systems.

Release Mechanism

The release mechanism embodies many unique and noteworthy features including:
Pull once to disengage, pull once again to re-engage.
Engage and lock in any position.
Will engage or disengage regardless of pull angle.
Steel cable will never fray, weather or snap.

Engineering Plastics

A complete AVANTI Operating System is comprised of no less than five different types of engineering plastics. Each compound has been specifically selected to provide strength, longevity and aesthetic appeal.



> SX-Series

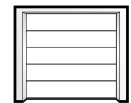
Technical Specifications	SX12/1000	SX20/1500
Max. Area - (Insulated Steel Panel)	15 m ²	21 m ²
Max. Area - (Wooden Panel)	8 m ²	15 m ²
Maximum Speed	140 mm/s	140 mm/s
Duty Cycle	30%	50%
Nominal Input Voltage	230V AC ± 10%	230V AC ± 10%
Motor	24V DC / 80W	24V DC / 120W
Transformer	150VA	200VA
Degree of Protection	IP40	IP40
Operating Temperature	-30°C to +60°C	-30°C to +60°C
Radio	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 12 Transmitter	Standard 2, Max. 12 Transmitter
Maximum Distance	80 m	80 m
Speed Regulation	Yes	Yes
Slow Start/Stop Function	Yes	Yes
Safety Obstruction Sensing	Yes	Yes
Weight	16.5 kg	17 kg
Rail	Standard steel 3-piece 2.0mm	Standard steel 3-piece 2.0mm
Standard Door Height	2400 mm	2400 mm
Extension Kit	Yes: 001-08081-001, 353mm 001-08082-001, 1016mm	Yes: 001-08081-001, 353mm 001-08082-001, 1016mm
Maximum Door Height	3500 mm	5000 mm
Material, Length, Thickness	Steel/Chain, 3164mm, 2.0mm	Steel/Chain, 3164mm, 2.0mm

Features

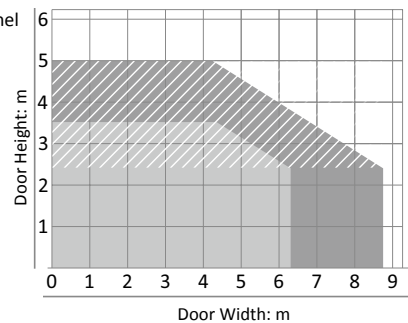
- > Traveling Motor - Fixed Chain technology.
- > 2mm High Strength Rail.
- > Suitable for High Cycle Applications.

Application Diagram

Insulated Steel Panel



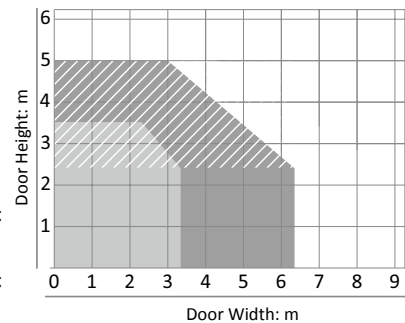
- SX12/1000
- ▨ Extension Kit
- SX20/1500
- ▨ Extension Kit



Wooden Panel



- SX12/1000
- ▨ Extension Kit
- SX20/1500
- ▨ Extension Kit



Dimensions

Same as S-Series

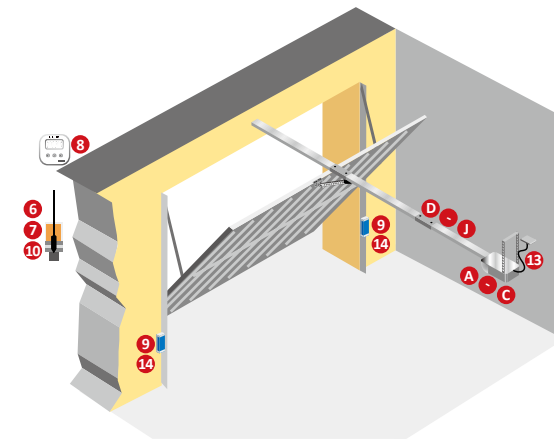


> SX-Series





Part Number	Model	Standard Accessories			
T-Series					
001-07010-000	AVANTI T5/500 Garage Door Opener	1 x A	2 x 15		
001-07020-000	AVANTI T6/600 Garage Door Opener	1 x A	2 x 15		
001-07030-000	AVANTI T8/800 Garage Door Opener	1 x A	2 x 15		
T-Series Rail					
001-07090-001	T-Series Steel 1-piece set 3050mm	1 x D			
001-07090-003	T-Series Steel 3-Piece set 3050mm	1 x E			
001-07090-101	T-Series Aluminum 1-piece set 3050mm	1 x F			
001-07090-103	T-Series Aluminum 3-piece set 3050mm	1 x G			
S-Series					
001-07111-000	AVANTI S12/600 Garage Door Opener	1 x B	2 x 1		
S-Series Rail					
001-07190-001	S-Series Steel 1-piece set 1.2mm x 3164mm	1 x H			
001-07190-003	S-Series Steel 3-piece set 1.2mm x 3164mm	1 x I			
001-07190-004	S-Series Steel 3-piece set 2.0mm x 3164mm	1 x J			
SX-Series					
001-07130-000	AVANTI SX12/1000 Garage Door Opener	1 x C	1 x 1	2 x 1	1 x 2
001-07140-000	AVANTI SX20/1500 Garage Door Opener	1 x C	1 x 1	2 x 1	1 x 3



A T	B S	C SX	D T-Series Steel 1-piece Set 3050mm	E T-Series Steel 3-piece Set 3050mm	F T-Series Aluminum 1-piece Set 3050mm	G T-Series Aluminum 3-piece Set 3050mm
H S-Series Steel 1-piece Set 1.2mm x 3164mm	I S-Series Steel 3-piece Set 1.2mm x 3164mm	J S-Series Steel 3-piece Set 2.0mm x 3164mm				
8 001-09101-000 CarLink	9 001-08101-000 Safety Photo Beam	10 001-08086-000 Flashing Light 24V	11 001-08080-001 Extension Kit T-Series Steel 500mm	12 001-08081-001 Extension Kit S/SX-Series Steel 2.0mm x 353mm	13 001-08091-000 Battery Backup Kit (Applicable for all kinds of AVANTI Garage Door Openers)	14 001-08085-000 Safety Photo Beam (Applicable for Garage Door Openers and Rolling Door Openers)
	001-08102-000 Aluminum Posts Height: 550mm 			001-08082-001 Extension Kit S/SX-Series Steel 2.0mm x 1016mm 		

Accessories

1 001-09050-999 GnS Transmitter	2 001-09051-000 GnS Sunvisor Clip	3 001-09004-000 Wall Switch	4 001-09030-000 Rechargeable Transmitter	5 001-09006-000 Wireless Keypad	6 001-09009-000 2-Channel Mini Receiver	7 001-09013-000 Coax Antenna
15 001-09001-999 Euro Transmitter	16 001-09020-000 Euro Sunvisor Clip				001-09011-000 Outdoor 4-Channel Receiver 	

Industrial Door Opener

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➤ Industrial Door Opener —  Page 18

➤ Control System —  Page 20

➤ Accessories — Page 22



➤ Industrial Door Opener

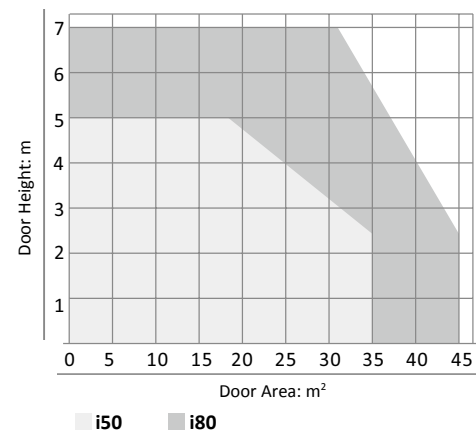


Technical Specifications	i50	i80
Rated Torque	50 N.m	80 N.m
Maximum Door Area	35 m ²	45 m ²
Maximum Door Height	5000 mm	7000 mm
Power Rating	500W	800W
Nominal Input Voltage	230V AC	230V AC
Motor	230V DC	230V DC
Duty Cycle	20% (Max. run time: 10min)	20% (Max. run time: 10min)
Rated Speed	24 rpm	24 rpm
Output Shaft Hole Diameter	25.4 mm	25.4 mm
Maximum Travel	19 rounds rotation of output shaft	19 rounds rotation of output shaft
Limit Switch System	Precise micro-adjusting device with mechanical worm wheel and worm rods	
Retarding Mechanism	Mechanism completely built with copper worm wheel and worm rods	
Manual Release Upon Power Failure	Pull-rope release	Pull-rope release
Operating Temperature	-20°C to +45°C	-20°C to +45°C
Noise Level	<50dB	<50dB
Degree of Protection	IP54	IP54
Weight	12 kg	12 kg

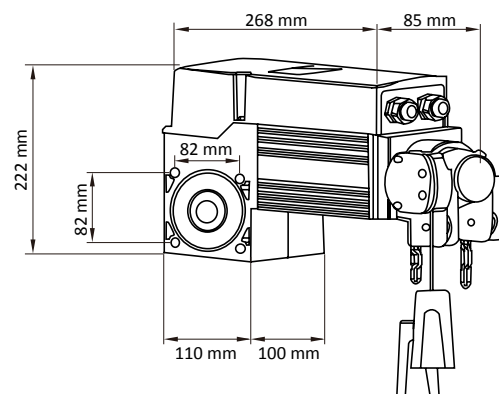
Features

- High Power Brushless DC motor.
- Adjustable Soft Start/Stop Functions.
- Safety obstruction sensing.

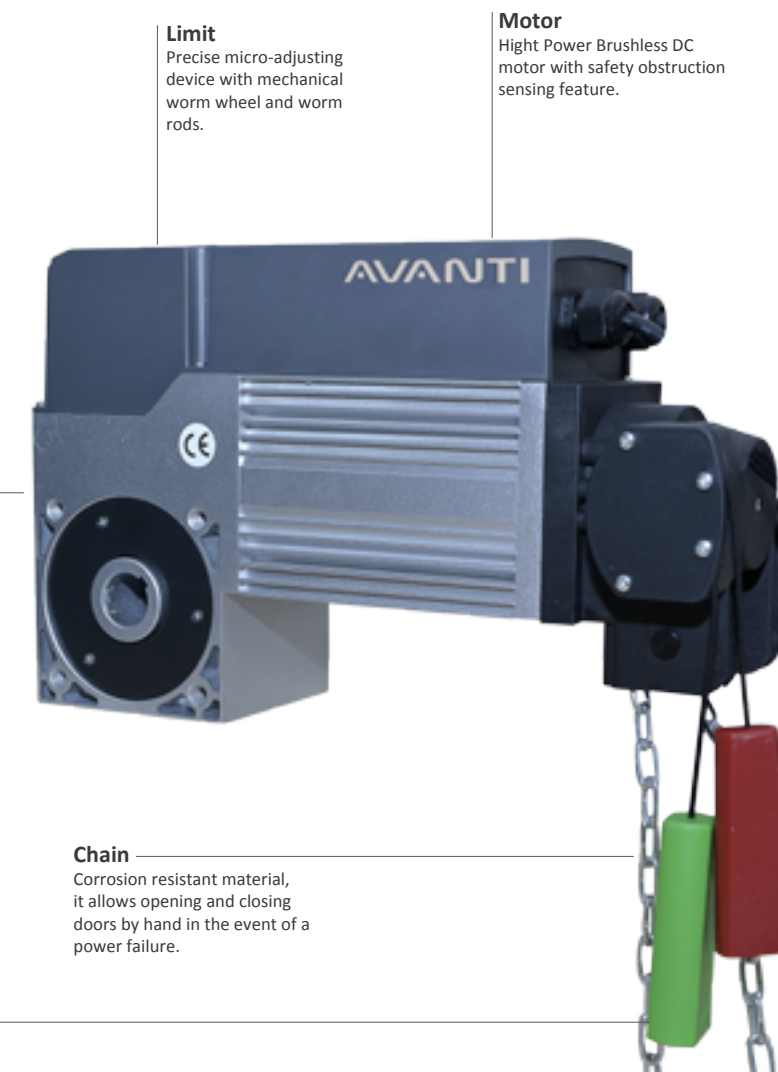
Application Diagram



Dimensions



➤ Industrial Door Opener



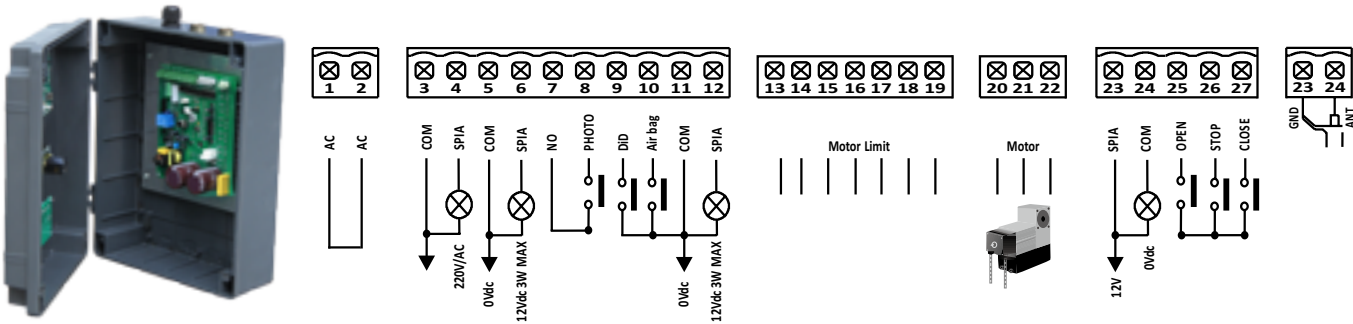


Control System

Technical Specifications	iCon	iCon-X
Input Voltage	230V AC ± 10%, 50/60Hz	230V AC ± 10%, 50/60Hz
Limit System	Electro-Mechanical	Electro-Mechanical
Application Model	i50, i80	i50, i80
Radio	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 200 Transmitter	Standard 2, Max. 200 Transmitter
Distance	80 m	80 m
Deceleration Functions	Yes	Yes - Adjustable Safety Obstruction Distance
Safety Obstruction Sensing	Yes	Yes - Adjustable Safety Obstruction Sensing
External 3-Button Connector	Yes	Yes
Safety Strip Connector	Yes	Yes
Photo-Beam Connector	Yes	Yes
Emergency Stop	Yes	Yes
Pedestrian Door Connector	Yes	Yes
Flashing Light Connector	Yes	Yes
Loop Detector Connector	Yes	Yes

Features

- > Hinge style design and multiple control methods simplify both installation and use.
- > Safety Obstruction Sensing and safety protection connector greatly elevates safety of the door.
- > Soft Start/Stop Functions.



Control System

iCon

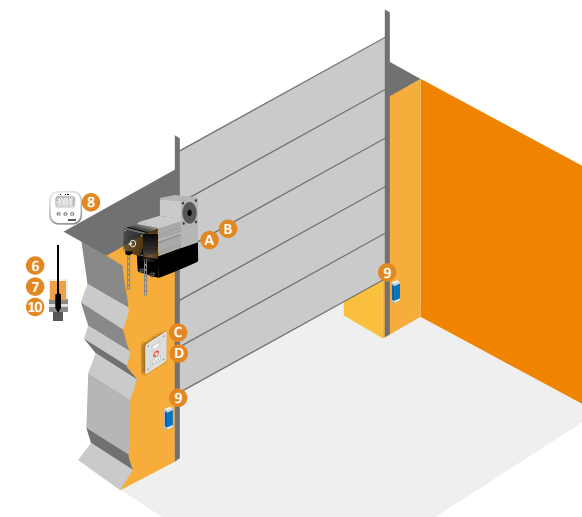


iCon-X





	Part Number	Model	Standard Accessories	
Industrial Door Opener				
	001-07750-000	i50 Industrial Door Opener 25sqm	1 x 	
	001-07780-000	i80 Industrial Door Opener 35sqm	1 x 	
Control System				
	001-07791-000	iCon Control System-Standard	1 x 	2 x 
	001-07792-000	iCon-X Control System-LED Monitor	1 x 	2 x 



Accessories

1 001-09050-999 GnS Transmitter	2 001-09051-000 GnS Sunvisor Clip	3 001-09004-000 Wall Switch	4 001-09030-000 Rechargeable Transmitter	5 001-09006-000 Wireless Keypad	6 001-09009-000 2-Channel Mini Receiver	7 001-09013-000 Coax Antenna
11 001-09001-999 Euro Transmitter	12 001-09020-000 Euro Sunvisor Clip				001-09011-000 Outdoor 4-Channel Receiver	

A i50	B i80	C iCon Control System-Standard	D iCon-X Control System-LCD Monitor
8 001-09101-000 CarLink	9 001-08101-000 Safety Photo Beam	10 001-08086-000 Flashing Light 24V	
	 001-08102-000 Aluminum Posts Height: 550mm		

Sliding Gate Opener

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➤ DSL-Series



Page 26

➤ D-Series



Page 28

➤ A-Series



Page 30

➤ Accessories

Page 32



DSL-Series

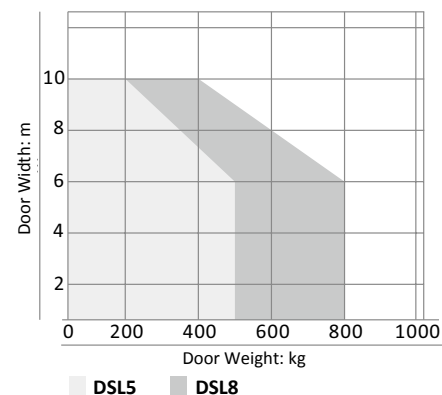


Technical Specifications	DSL5	DSL8
Maximum Gate Weight	500 kg	800 kg
Maximum Gate Width	10 m	10 m
Maximum Speed	200 mm/s	147 mm/s
Duty Cycle	90%	90%
Nominal Input Voltage	230V AC \pm 10%, 50/60Hz	230V AC \pm 10%, 50/60Hz
Motor	24V DC	24V DC
Transformer	100VA	100VA
Charger	Optional with Battery Backup Kit	Optional with Battery Backup Kit
Degree of Protection	IP55	IP55
Operating Temperature	-20°C to +60°C	-20°C to +60°C
Radio	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 200 Transmitter	Standard 2, Max. 200 Transmitter
Maximum Distance	80 m	80 m
Speed Regulation	Yes	Yes
Slow Stop/Start Function	Yes	Yes
Safety Obstruction Sensing	Yes	Yes
Weight	8 kg	11 kg

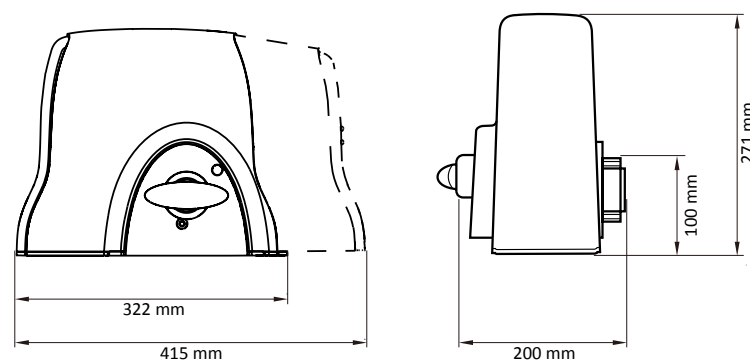
Features

- Simple Installation and Set Up.
- Safety Obstruction Sensing; Soft Stop/Start; Speed Regulation.

Application Diagram



Dimensions



DSL-Series





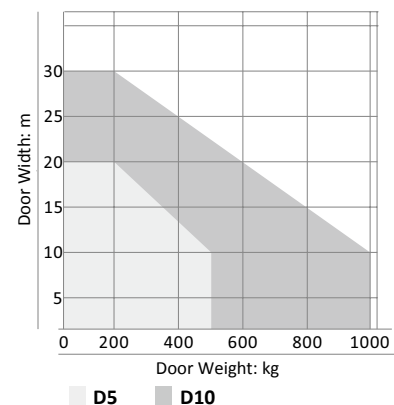
> D-Series

Technical Specifications	D5	D10
Maximum Gate Weight	500 kg	1000 kg
Maximum Gate Width	20 m	30 m
Maximum Speed	400 mm/s	400 mm/s
Duty Cycle	60%	90%
Nominal Input Voltage	230V AC \pm 10%, 50/60Hz	230V AC \pm 10%, 50/60Hz
Motor	12V DC	24V DC
Power Supply	1 x 7Ah Battery	2 x 7Ah Battery
Charger	2A @ 13.8V	2A @ 27.5V
Degree of Protection	IP44	IP44
Operating Temperature	-10°C to +50°C	-10°C to +50°C
Radio	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 500 Transmitter	Standard 2, Max. 500 Transmitter
Maximum Distance	80 m	80 m
Speed Regulation	Yes	Yes
Slow Stop/Start Function	Yes	Yes
Safety Obstruction Sensing	Yes	Yes
Weight	10 kg	13 kg

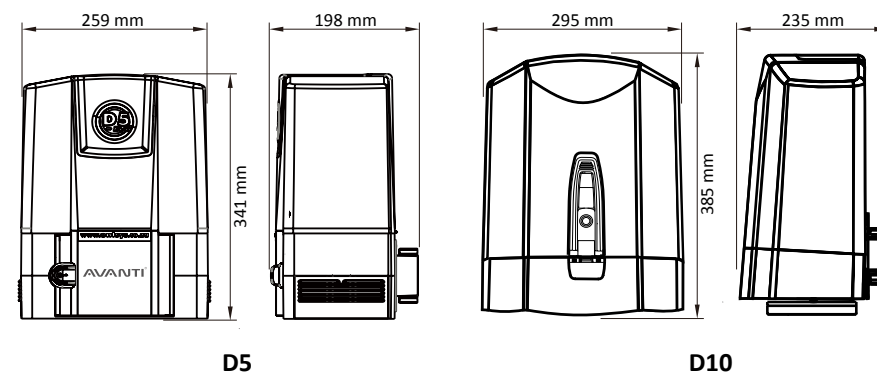
Features

- > Running Speed 400mm/s is twice the industry average.
- > Build-In Power Backup System allows Seamless Operation in the event of Power Failure.
- > Easy Setup via LCD user connector.
- > More than 120 functions.

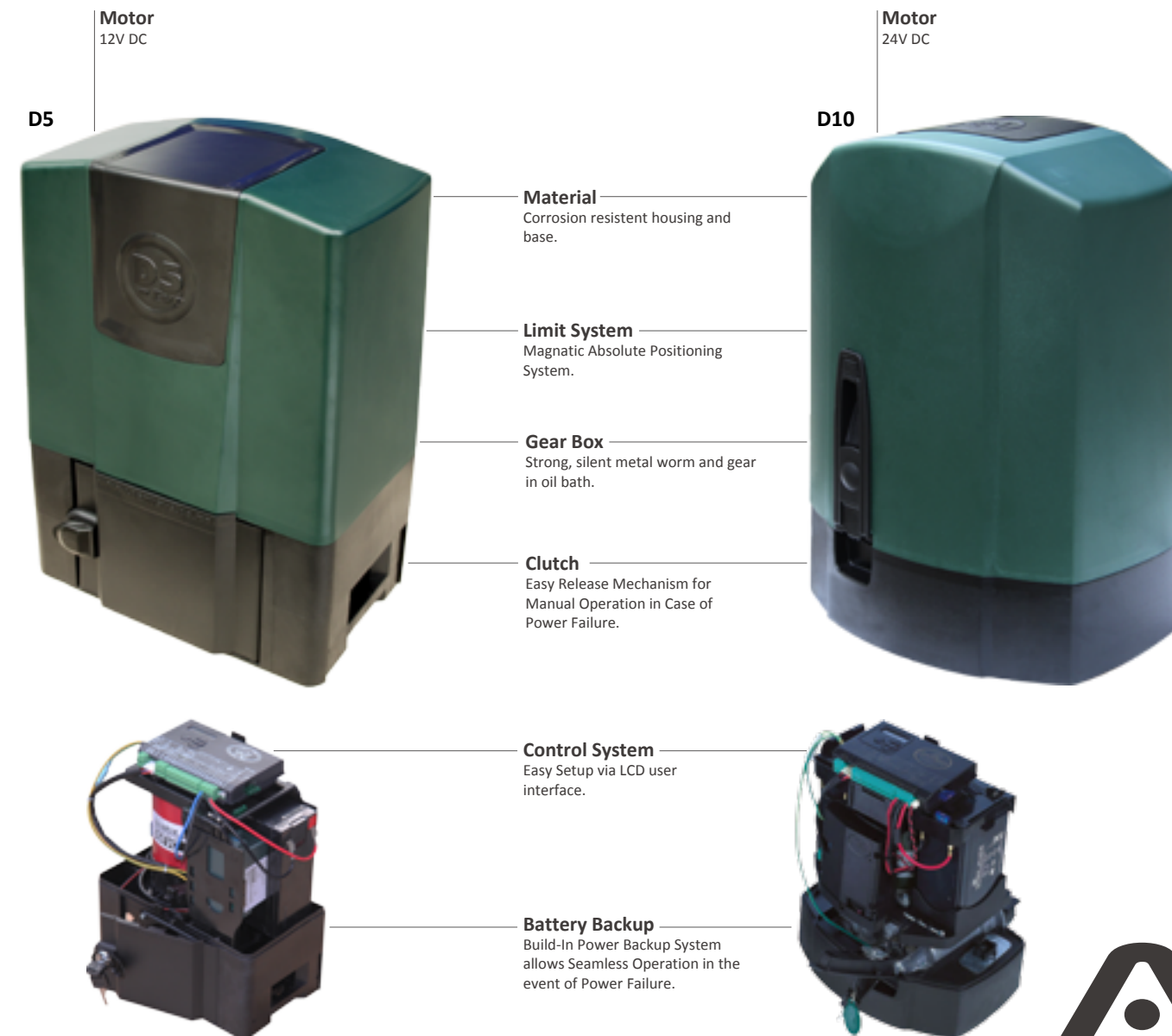
Application Diagram



Dimensions



> D-Series





> A-Series

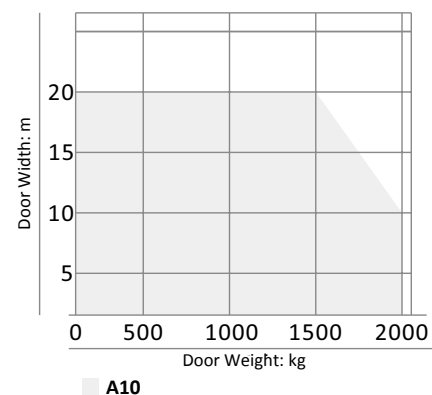


Technical Specifications	A10
Maximum Gate Weight	2000 kg
Maximum Gate Width	20 m
Maximum Speed	230 mm/s
Duty Cycle	60%
Nominal Input Voltage	230V AC \pm 10%, 50/60Hz
Motor	380V AC three-phase
Transformer	230V AC
Charger	Not Available
Degree of Protection	IP44
Operating Temperature	-20°C to +50°C
Radio	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 27 Transmitter
Maximum Distance	80 m
Speed Regulation	Yes
Slow Stop/Start Function	Yes
Safety Obstruction Sensing	Yes
Weight	15 kg

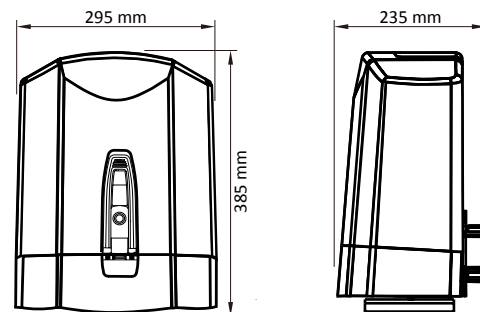
Features

- > One of the most powerful sliding gate openers in the world with 380V AC three-phase motor.
- > Safety Obstruction Sensing; Soft Stop/Start; Speed Regulation.
- > Easy Release Mechanism for Manual Operation in Case of Power Failure.

Application Diagram



Dimensions



> A-Series

Control System

Easy to use Set-Up.

Motor

Powerful 380V AC three-phase motor with fan cooling.

Inverter

No need for expensive three-phase power supply - built in Inverter converts incoming 230V supply to 380V three-phase for maximum power boost.



Material

Corrosion resistant housing and base.

Limit System

Magnetic Absolute Positioning System.
















Gear Box

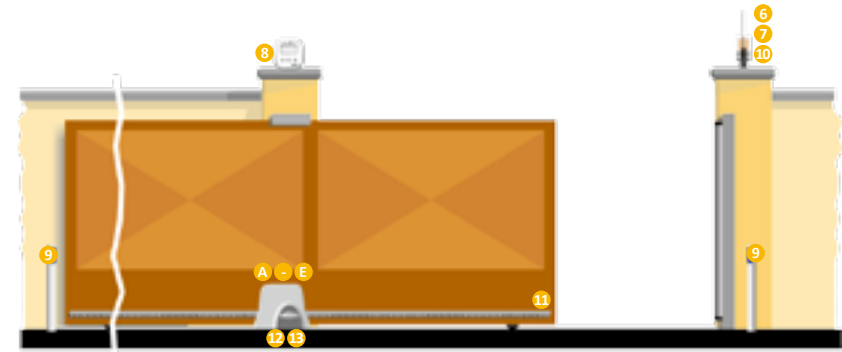
Strong, silent metal worm and gear in oil bath.

Clutch

Easy Release Mechanism for Manual Operation in Case of Power Failure.



Part Number	Model	Standard Accessories			
DSL-Series					
001-07305-000	DSL5 Sliding Gate Opener	1 x 	2 x 		
001-07308-000	DSL8 Sliding Gate Opener	1 x 	2 x 		
D-Series					
001-07330-000	D5 Sliding Gate Opener	1 x 	2 x 	1 x 	1 x 
001-07350-000	D10 Sliding Gate Opener	1 x 	2 x 	2 x 	1 x 
A-Series					
001-07370-000	A10 Sliding Gate Opener	1 x 	2 x 	1 x 	



DSL5



DSL8



D5



D10



A10

Accessories

001-09050-999
GnS Transmitter001-09051-000
GnS Sunvisor Clip001-09004-000
Wall Switch001-09030-000
Rechargeable Transmitter001-09006-000
Wireless Keypad001-09009-000
2-Channel Mini Receiver001-09013-000
Coax Antenna001-09001-999
Euro Transmitter001-09020-000
Euro Sunvisor Clip001-09011-000
Outdoor 4-Channel
Receiver001-09101-000
CarLink001-08101-000
Safety Photo Beam001-08102-000
Aluminum Posts
Height: 550mm001-08086-000
Flashing Light 24V001-08090-001
Nylon Rack 1m
Door Weight: <300kg001-08090-002
Nylon Rack 1m
Door Weight: <800kg001-08090-003
Steel Rack 1m
Door Weight: <2000kg001-08090-004
Stainless Steel Rack 1m
Door Weight: <3000kg001-08093-000
Battery
D-Series 1x12V 7.0Ah001-08094-000
Battery Backup Kit
DSL-Series001-08100-000
Foundation Plate
DSL-Series

Swing Gate Opener

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➤ PK-Series —————  Page 36

➤ BL-Series —————  Page 38

➤ GROUND-Series —————  Page 40

➤ SEAL-Series —————  Page 42

➤ Control System —————  Page 44

➤ Accessories ————— Page 46



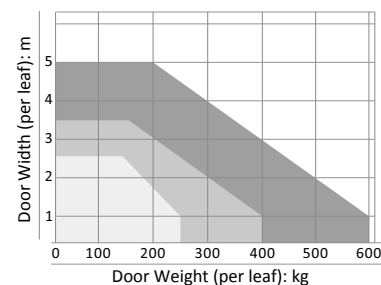
PK-Series

Technical Specifications	PK200	PK250	PK450
Control System	DIY	DIY	DIY
Maximum Gate Weight (per leaf)	250 kg	400 kg	600 kg
Maximum Gate Width (per leaf)	2.5 m	3.5 m	5 m
Maximum Stroke	210 mm	320 mm	400 mm
Maximum Speed	35 mm/s	20 mm/s	12 mm/s
Maximum Opening Angle	90°	110°	120°
Duty Cycle	40%	40%	40%
Motor	12V DC	24V DC	24V DC
Degree of Protection	IP54	IP54	IP54
Operating Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +80°C
Weight	18 kg (double)	19 kg (double)	22 kg (double)

Features

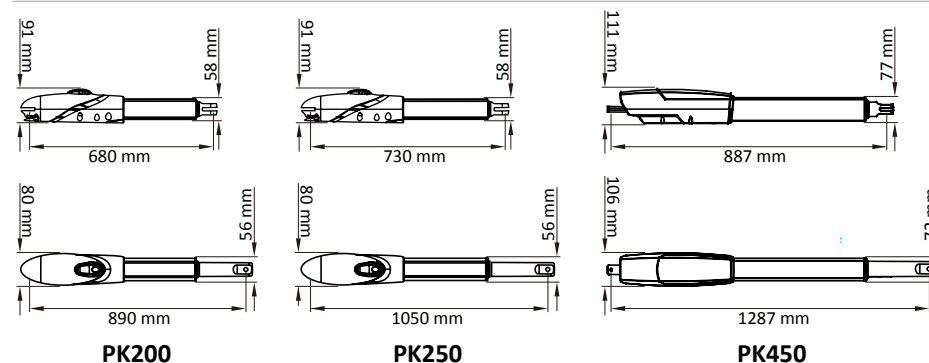
- Solid Die Cast Alloy / Stainless Steel Construction.
- Robust Metal Gearing.
- Easy Limit Setup.

Application Diagram



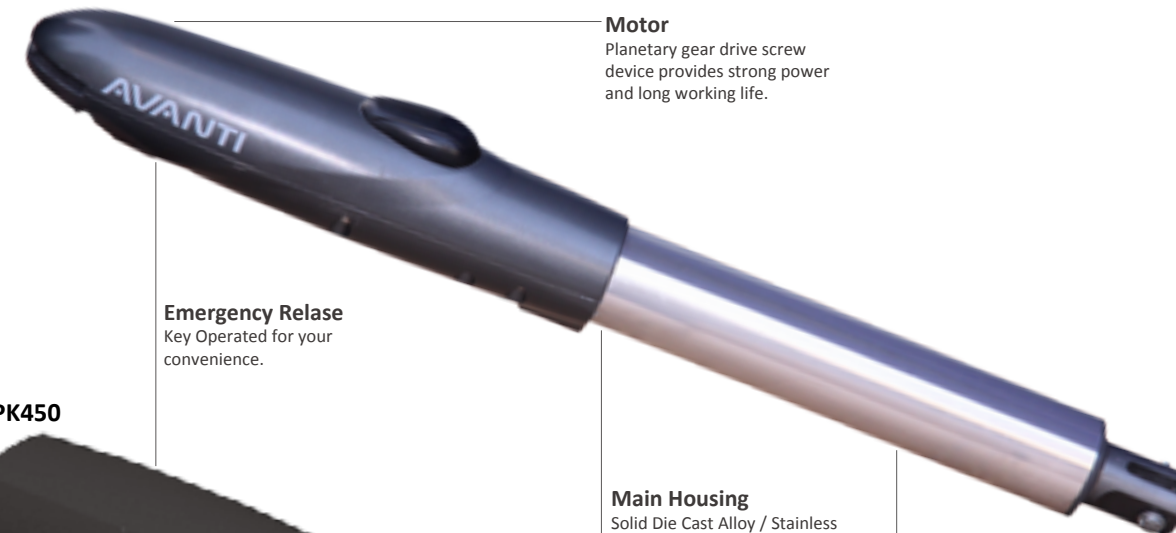
PK200 PK250 PK450

Dimensions



PK-Series Ram-Type Swing Gate Opener

PK200/250



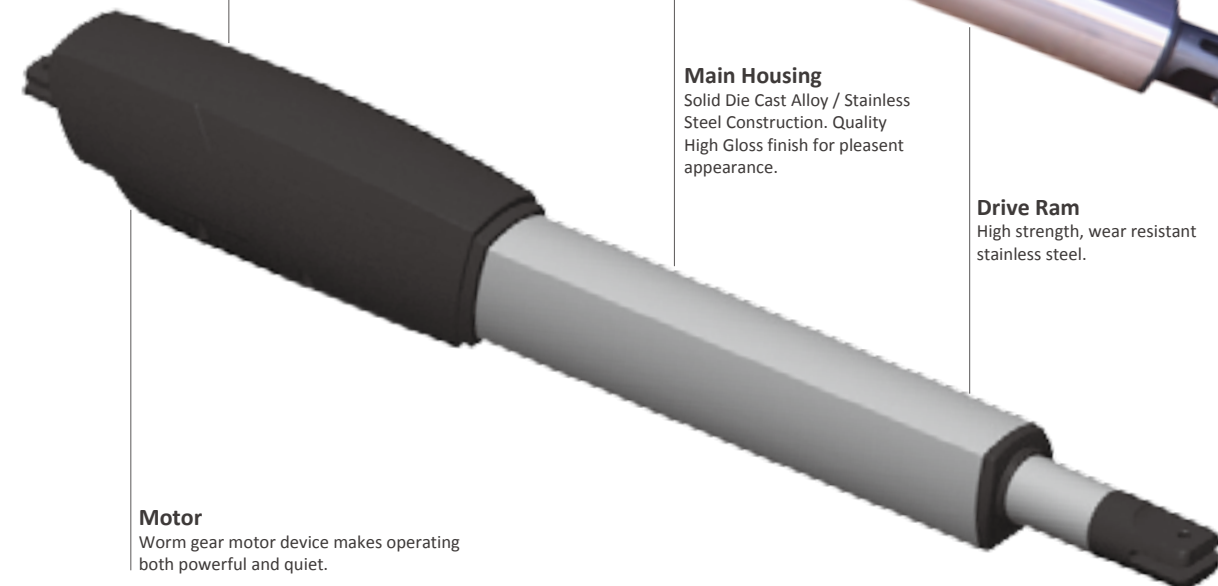
Motor

Planetary gear drive screw device provides strong power and long working life.

Emergency Release

Key Operated for your convenience.

PK450



Main Housing

Solid Die Cast Alloy / Stainless Steel Construction. Quality High Gloss finish for pleasant appearance.

Drive Ram

High strength, wear resistant stainless steel.

Motor

Worm gear motor device makes operating both powerful and quiet.



BL-Series

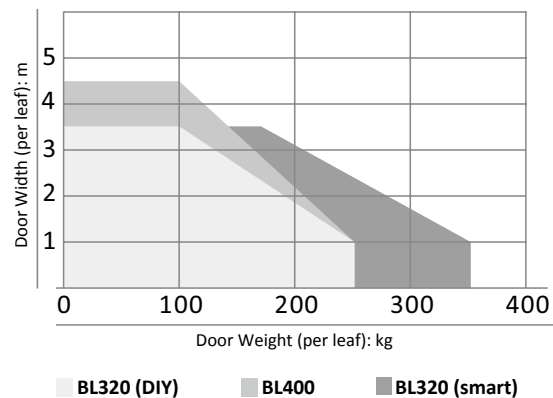


Technical Specifications	BL320		BL400
	DIY	smart	DIY
Control System	DIY	smart	DIY
Maximum Gate Weight (per leaf)	250 kg	350 kg	250 kg
Maximum Gate Width (per leaf)	3.5 m	3.5 m	4.5 m
Maximum Stroke	320 mm	320 mm	400 mm
Maximum Speed	18 mm/s	22 mm/s	18 mm/s
Maximum Opening Angle	110°	110°	130°
Duty Cycle	40%	60%	40%
Motor	24V DC	24V DC	24V DC
Degree of Protection	IP44	IP44	IP44
Operating Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Weight	18 kg (double)	18 kg (double)	18 kg (double)

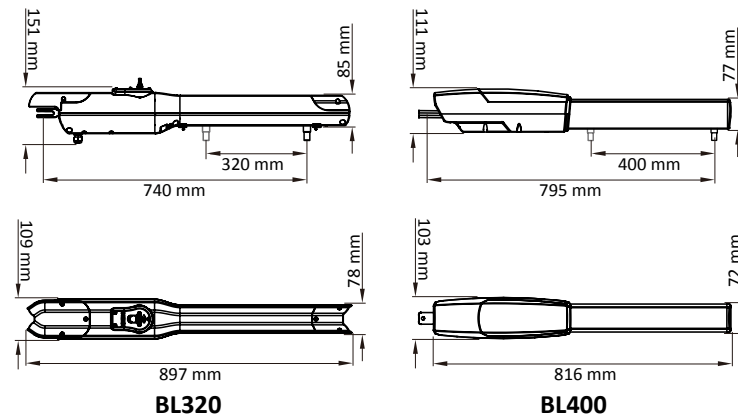
Features

- Equipped with opening and closing limit switches, very easy to adjust.
- Self-locking motor.
- Whisper quiet operation.

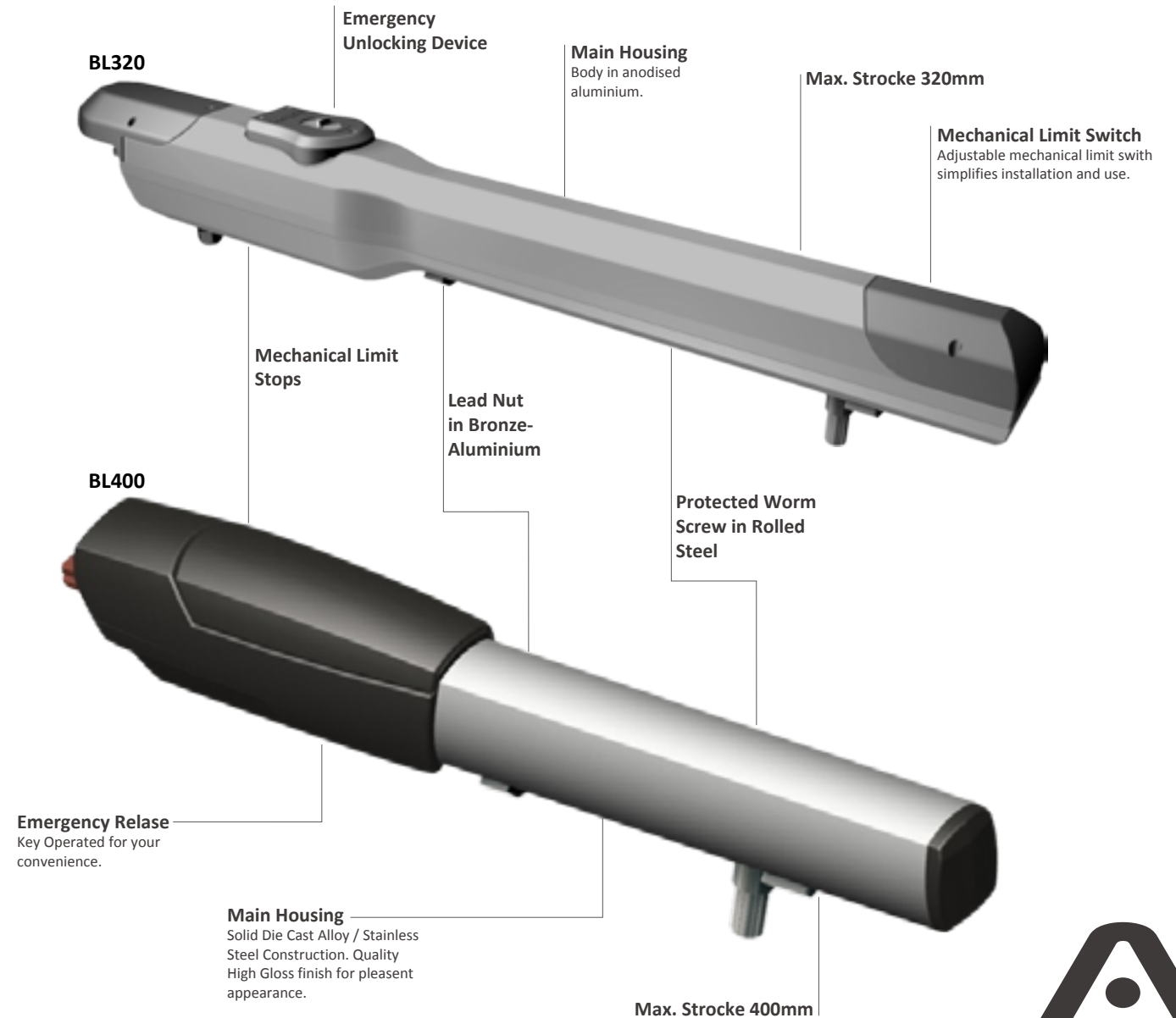
Application Diagram



Dimensions



BL-Series Screw-Drive Swing Gate Opener





GROUND-Series

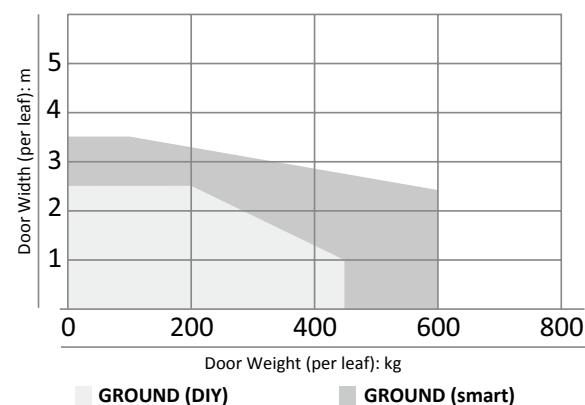


Technical Specifications	GROUND	
	DIY	smart
Control System	DIY	smart
Maximum Gate Weight (per leaf)	450 kg	600 kg
Maximum Gate Width (per leaf)	2.5 m	3.5 m
Maximum Speed	5°/s	7°/s
Maximum Opening Angle	135°	135°
Duty Cycle	30%	40%
Motor	24V DC	24V DC
Degree of Protection	IP67	IP67
Operating Temperature	-20°C to +60°C	-20°C to +60°C
Weight	85 kg (double)	85 kg (double)

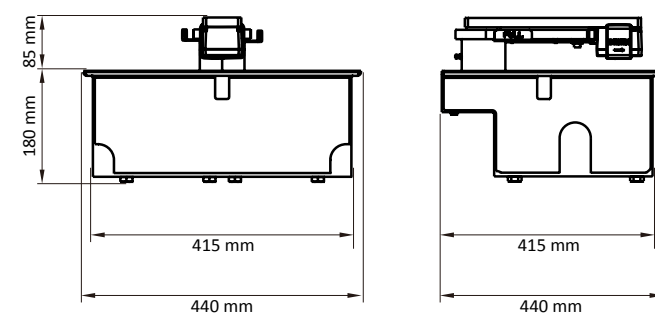
Features

- Adjustable limit switches.
- Built In Emergency release lock.

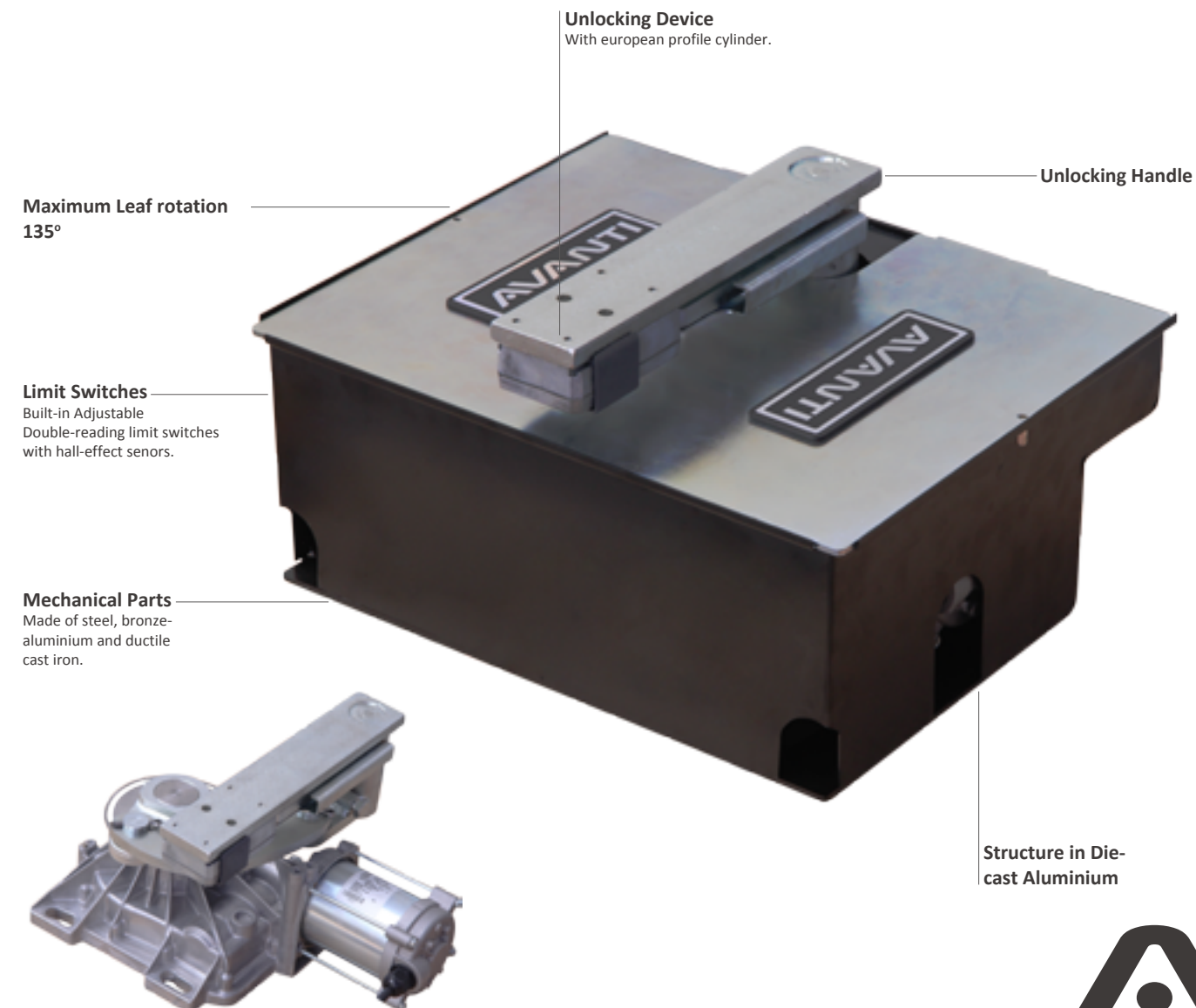
Application Diagram



Dimensions



GROUND-Series Underground Gate Opener





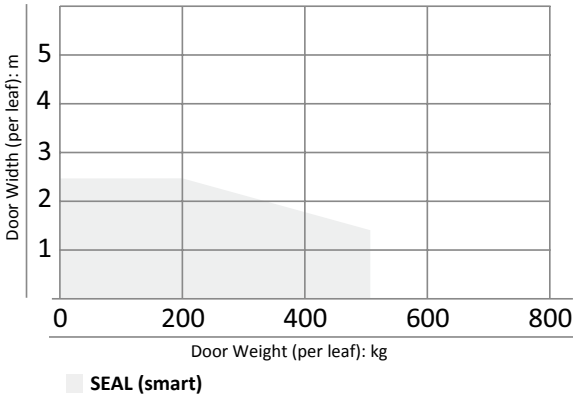
SEAL-Series

Technical Specifications	SEAL
Control System	smart
Maximum Gate Weight (per leaf)	500 kg
Maximum Gate Width (per leaf)	2.5 m
Maximum Speed	15°/s
Maximum Opening Angle	180°
Duty Cycle	60%
Motor	24V DC
Degree of Protection	IP67
Operating Temperature	-20°C to +60°C
Weight	28 kg (double)

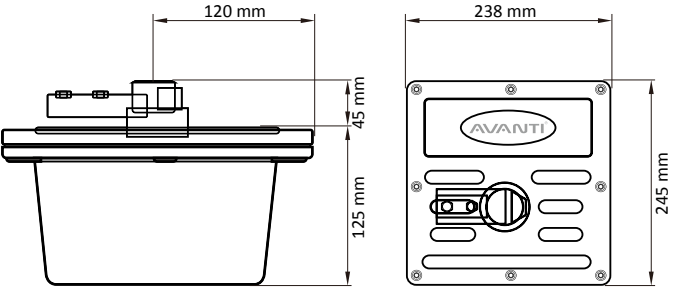
Features

- > Motor Box completely sealed - waterproof installation.
- > Fast Operating speed.
- > Compact installation dimensions.

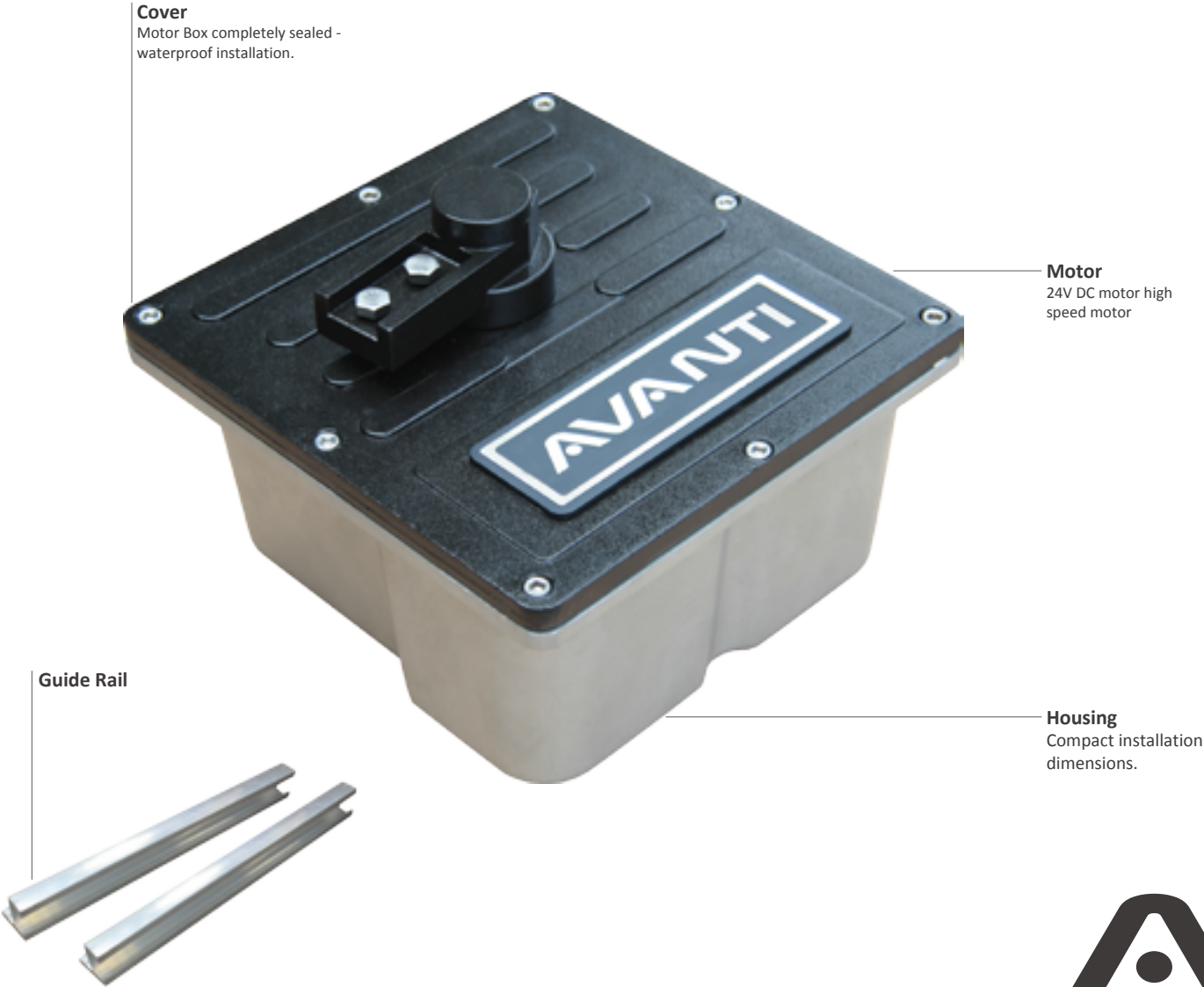
Application Diagram



Dimensions



SEAL-Series Underground Gate Opener





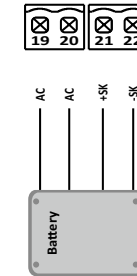
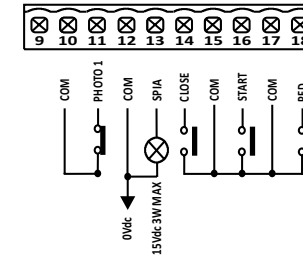
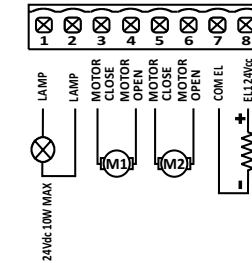
Control System

Technical Specifications	DIY	smart
Limit Switch System	Automatic	Adjustable
Function Selection	Main function: via DIP switch	All function: via LCD
Nominal Input Voltage	230V AC \pm 10%, 50/60Hz	230V AC \pm 10%, 50/60Hz
Transformer	120VA	150VA
Applicable Motor Arm Models	PK200、PK250、PK450、BL320、BL400、GROUND	BL320、GROUND、SEAL
Frequency	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 27 Transmitter	Standard 2, Max. 200 Transmitter
Distance	80 m	80 m
Slow Stop/Start Function	Yes	Yes - Adjustable safety obstruction distance
Safety Obstruction Sensing	Yes	Yes - Adjustable safety obstruction sensing
Speed Regulation	No	Yes - Adjustable
Pedestrian Mode	Yes	Yes
Auto-Close Function	Yes	Yes - Adjustable autoclose time
Leaf Delay Function	Yes	Yes - Adjustable pre-close delay time
External Button Connector	Yes	Yes
Photo Beam Connector	Yes (one)	Yes (two)
Limit Switch Connector	No	Yes (four)
Electrical Lock Connector	Yes (one)	Yes (two)
Backup Battery Connector	Yes	Yes
Flashing Light Connector	Yes	Yes
Loop Detector Connector	No	Yes

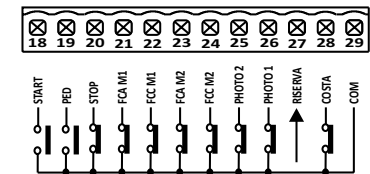
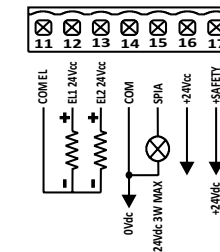
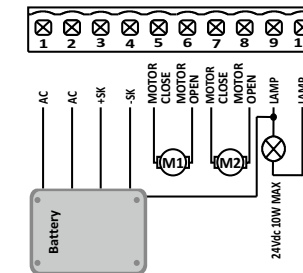


Control System

























































DIY

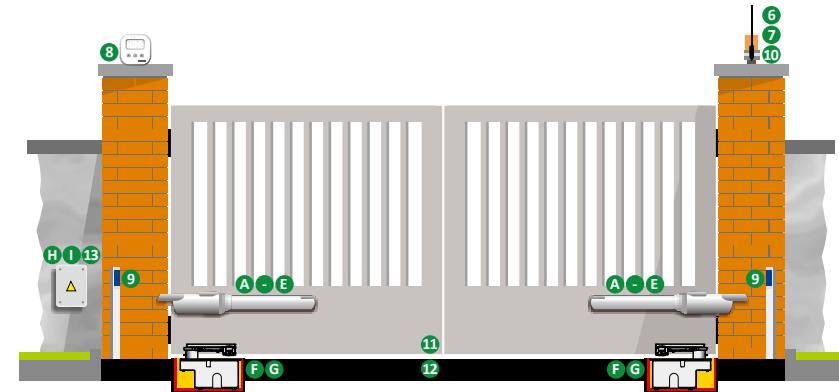
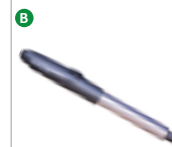
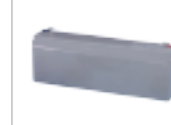


smart





Part Number	Model	Standard Accessories				
PK-Series Ram-Type Swing Gate Opener						
001-07210-000	PK200+DIY Swing Gate Opener (double)	2 x 	1 x 	2 x 		
001-07211-000	PK200+DIY Swing Gate Opener (single)	1 x 	1 x 	2 x 		
001-07220-000	PK250+DIY Swing Gate Opener (double)	2 x 	1 x 	2 x 		
001-07221-000	PK250+DIY Swing Gate Opener (single)	1 x 	1 x 	2 x 		
001-07250-000	PK450+DIY Swing Gate Opener (double)	2 x 	1 x 	2 x 		
001-07251-000	PK450+DIY Swing Gate Opener (single)	1 x 	1 x 	2 x 		
BL-Series Screw-Drive Swing Gate Opener						
001-07200-000	BL320+DIY Swing Gate Opener (double)	2 x 	1 x 	2 x 		
001-07201-000	BL320+DIY Swing Gate Opener (single)	1 x 	1 x 	2 x 		
001-07205-000	BL320+smart Swing Gate Opener (double)	2 x 		1 x 	2 x 	
001-07206-000	BL320+smart Swing Gate Opener (single)	1 x 		1 x 	2 x 	
001-07280-000	BL400+DIY Swing Gate Opener (double)	2 x 	1 x 	2 x 		
001-07281-000	BL400+DIY Swing Gate Opener (single)	1 x 	1 x 	2 x 		
GROUND-Series Underground Gate Opener						
001-07270-000	GROUND+DIY Swing Gate Opener (double)	2 x 	1 x 	2 x 		
001-07271-000	GROUND+DIY Swing Gate Opener (single)	1 x 	1 x 	2 x 		
001-07275-000	GROUND+smart Swing Gate Opener (double)	2 x 		1 x 	2 x 	
001-07276-000	GROUND+smart Swing Gate Opener (single)	1 x 		1 x 	2 x 	
SEAL-Series Underground Gate Opener						
001-07260-000	SEAL+smart Swing Gate Opener (double)	2 x 		1 x 	2 x 	1 x 
001-07261-000	SEAL+smart Swing Gate Opener (single)	1 x 		1 x 	2 x 	1 x 

001-07212-000
PK200001-07222-000
PK250001-07252-000
PK450001-07202-000
BL320001-07282-000
BL400001-07272-000
GROUND001-07262-000
SEAL001-07290-000
DIY Control System001-07292-000
smart Control System001-09101-000
CarLink001-08101-000
Safety Photo Beam001-08086-000
Flashing Light 24V001-08087-001
Electrical Lock 24V
Open In001-08088-000
Stopper001-08092-000
Battery kit DIY
2 x 12V 2.6Ah001-08102-000
Aluminum Posts
Height: 550mm001-08087-002
Electrical Lock 24V
Open Out001-08095-000
Battery kit smart

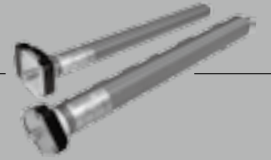
Accessories

<p>001-09050-999 GnS Transmitter</p>	<p>001-09051-000 GnS Sunvisor Clip</p>	<p>001-09004-000 Wall Switch</p>	<p>001-09030-000 Rechargeable Transmitter</p>	<p>001-09006-000 Wireless Keypad</p>	<p>001-09009-000 2-Channel Mini Receiver</p>	<p>001-09013-000 Coax Antenna</p>
<p>001-09001-999 Euro Transmitter</p>	<p>001-09020-000 Euro Sunvisor Clip</p>				<p>001-09011-000 Outdoor 4-Channel Receiver</p>	

Tubular Motor

AVANTI

➤ **Tubular Motor**



Page 50

➤ **Accessories**

Page 52



> Tubular Motor

Technical Specifications	TM-45M-40	TM-45M-60	TM-59M-80	TM-59M-120
Rated Torque	40 N.m	60 N.m	80 N.m	120 N.m
Rated Speed	15 rpm	8 rpm	15 rpm	9 rpm
Rated Power	215W	235W	380W	400W
Rated Current	0.93A	1.02A	1.67A	1.75A
Maximum Run Time	4 min	4 min	4 min	4 min
Degree of Protection	IP44	IP44	IP44	IP44
Maximum Turns	32	32	18	18
Maximum Door Weight (Tube: 80mm)	60 kg	90 kg	120 kg	200 kg

Application Scope

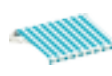
TM-45M



Screens



Roller Shutters

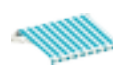


Awnings



Rolling Doors

TM-59M



Awnings

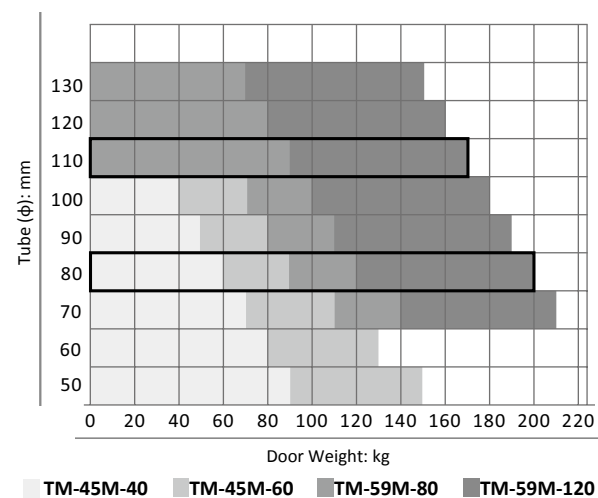


Rolling Doors

Features

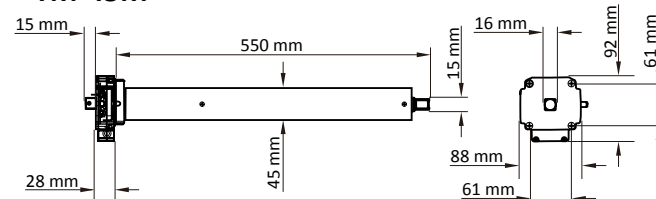
- > Fast speed, low noise and stable performance.
- > Manual Operation in the event of Power Failure.

Application Diagram

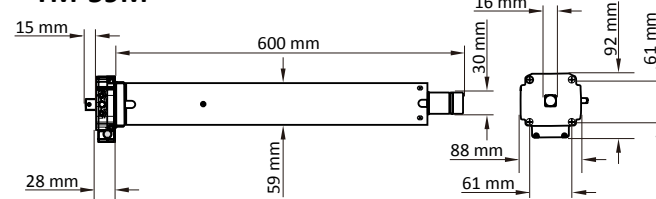


Dimensions

TM-45M



TM-59M



> Tubular Motor

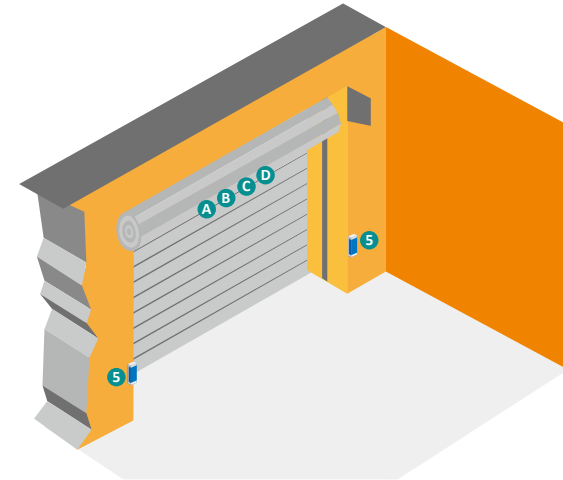


TM-45M

TM-59M



Part Number	Model	Standard Accessories											
Complete Set													
TM-45M-40 Set	Tubular Motor 45mm, Torque 40N, Manual	1 x A	1 x 3	1 x 7	2 x 8	1 x 9	1 x 10	1 x 11	1 x 13	2 x 14	1 x 15	1 x 17	
TM-45M-60 Set	Tubular Motor 45mm, Torque 60N, Manual	1 x B	1 x 3	1 x 7	2 x 8	1 x 9	1 x 10	1 x 11	1 x 13	2 x 14	1 x 15	1 x 17	
TM-59M-80 Set	Tubular Motor 59mm, Torque 80N, Manual	1 x C	1 x 3	1 x 7	2 x 8	1 x 9	1 x 10	1 x 11	1 x 13	2 x 14	1 x 15	1 x 19	
TM-59M-120 Set	Tubular Motor 59mm, Torque 120N, Manual	1 x D	1 x 3	1 x 7	2 x 8	1 x 9	1 x 10	1 x 11	1 x 13	2 x 14	1 x 15	1 x 19	
Simple Set													
TM-45M-40	Tubular Motor 45mm, Torque 40N, Manual	1 x A			2 x 8	1 x 9	1 x 10		1 x 13			1 x 17	
TM-45M-60	Tubular Motor 45mm, Torque 60N, Manual	1 x B			2 x 8	1 x 9	1 x 10		1 x 13			1 x 17	
TM-59M-80	Tubular Motor 59mm, Torque 80N, Manual	1 x C			2 x 8	1 x 9	1 x 10		1 x 13			1 x 19	
TM-59M-120	Tubular Motor 59mm, Torque 120N, Manual	1 x D			2 x 8	1 x 9	1 x 10		1 x 13			1 x 19	



A



TM-45M-40

B



TM-45M-60

C



TM-59M-80

D



TM-59M-120

Accessories

1

001-09050-999
GnS Transmitter

3

001-09051-000
GnS Sunvisor Clip

5

001-08101-000
Safety Photo Beam

6

TM-09014-000
Tubular Motor Receiver

7

TM-09015-000
Set: Tubular Motor
Receiver + 2GnS
Transmitter

8



Motor Bracket

9



Hand Crank

10



Adjusting Tool

2

001-09001-999
Euro Transmitter

4

001-09020-000
Euro Sunvisor Clip

001-08102-000

Aluminum Posts
Height: 550mm

11

TM-08087-000
Hand Crank 800mm

12

TM-08087-001
Hand Crank 1500mm

13

TM-08088-000
Vaulted Bracket

14

TM-08090-000
Wall Bracket
225x171x40

15

TM-08089-001
Idler-φ: 80mm

16

TM-08089-002
Idler-φ: 106mm

17

TM-1Y-45-080
Crown & Drive Adapter
Round 45-80mm

18

TM-18-45-60
Crown & Drive Adapter
Octagonal 45-60mm

19

TM-1Y-59-080
Crown & Drive Adapter
Round 59-80mm

20

TM-18-45-70
Crown & Drive Adapter
Octagonal 45-70mm

21

TM-1Y-59-106
Crown & Drive Adapter
Round 59-106mm

22

TM-18-59-70
Crown & Drive Adapter
Octagonal 59-70mm

Rolling Door Opener

AVANTI

➤ **RDO200/1000**



Page 56

➤ **RDO300**



Page 58

➤ **Accessories**

Page 60



> RDO200/1000

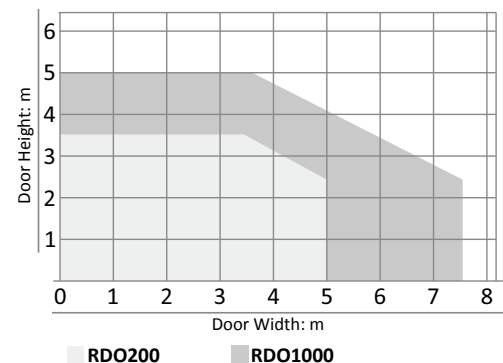
Technical Specifications	RDO200	RDO1000
Max. Garage Door Area	12 m ²	18 m ²
Maximum Speed	140 mm/s	120 mm/s
Duty Cycle	30%	30%
Maximum Door Height	3500 mm	5000 mm
Nominal Input Voltage	230V AC \pm 10%	230V AC \pm 10%
Motor	24V DC / 60W	24V DC / 120W
Transformer	110VA	150VA
Degree of Protection	IP40	IP40
Operating Temperature	-30°C to +60°C	-30°C to +60°C
Radio	KEELOQ Hopping Code, 433MHz	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 12 Transmitter	Standard 2, Max. 12 Transmitter
Maximum Distance	80 m	80 m
Speed Regulation	Yes	Yes
Slow Start/Stop Function	Yes	Yes
Safety Obstruction Sensing	Yes	Yes
Weight	5.6 kg	5.5 kg



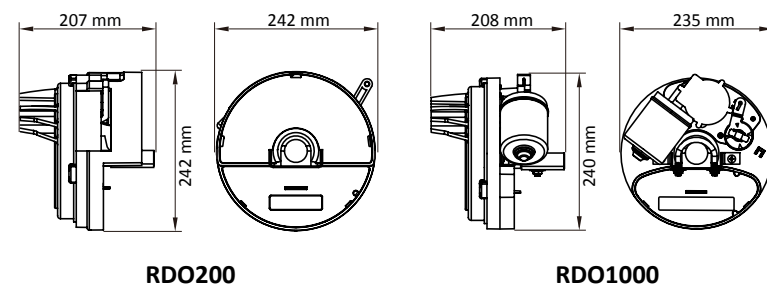
Features

- > Low Installation Side Room Requirements.
- > Slow Stop/Start Functions.
- > Ratchet Release System.

Application Diagram



Dimensions



> RDO200/1000

RDO200



Motor

Ultra-Silent DC Motor and Drive will lift your Roll-Up Door both quietly and with ease.

Main Unit

The Motor is fitted on to the drive shaft and has no visual moving parts.

Engineering Plastics

A complete AVANTI Operating System is comprised of no less than five different types of engineering plastics. Each compound has been specifically selected to provide strength, longevity and aesthetic appeal.

Limit

The Limits and Safety Force are easy and convenient to adjust, ensure correct opening and closing travel and force settings.

Emergency Release

Ratchet Release System for your convenience.

RDO1000



Courtesy Light

A built in courtesy light is activated each time you operate your door, providing safe and convenient access for both night and day.



Control System

Separate Control Box provides eye-level adjustments of all necessary controls.



> RDO300

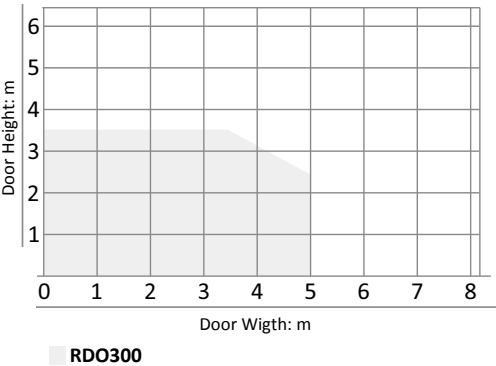


Technical Specification	RDO300
Max. Garage Door Area	12 m²
Maximum Speed	140 mm/s
Duty Cycle	30%
Maximum Door Height	3500 mm
Nominal Input Voltage	230V AC ± 10%
Motor	24V DC / 60W
Transformer	110VA
Degree of Protection	IP40
Operating Temperature	-30°C to +60°C
Radio	KEELOQ Hopping Code, 433MHz
TX Capacity	Standard 2, Max. 12 Transmitter
Maximum Distance	80 m
Speed Regulation	Yes
Soft Start/Stop Function	Yes
Safety Obstruction Sensing	Yes
Weight	5.1 kg

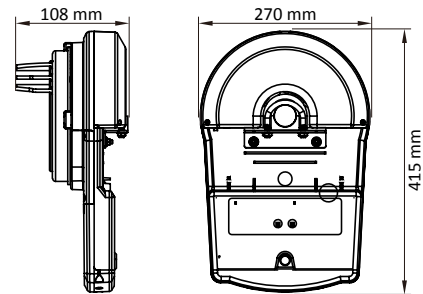
Features

- > Single Unit System for fast and easy installation.
- > Low Installation Side Room Requirements.
- > Slow Stop/Start Functions.

Application Diagram



Dimensions



> RDO300

Minimum Sideroom

The Opener can be fitted in extremely narrow installation situations due to compact design of the unit.

Engineering Plastics

A complete AVANTI Operating System is comprised of no less than five different types of engineering plastics. Each compound has been specifically selected to provide strength , longevity and aesthetic appeal.

Emergency Release

Green for go, Red for stop - it does not get more simple than that.



Motor

Ultra-Silent DC Motor and Drive will lift your Roll-Up Door bith quietly and with ease.

Limit

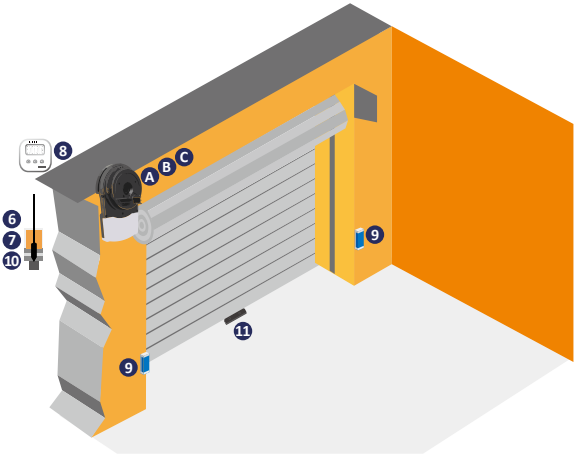
The Limits and Safety Force are easy and convenient to adjust, ensure correct opening and closing travel and force settings.

Control System

All necessary controls are conveniently located under the clip-off light cover.



Part Number	Model	Standard Accessories		
001-07510-000	RDO200 Rolling Door Opener	1 x A	2 x 1	1 x 11
001-07520-000	RDO300 Rolling Door Opener	1 x B	2 x 1	1 x 11
001-07530-000	RDO1000 Rolling Door Opener	1 x C	2 x 1	1 x 11





RDO200



RDO300



RDO1000

Accessories



001-09050-999
GnS Transmitter



001-09051-000
GnS Sunvisor Clip



001-09004-000
Wall Switch



001-09030-000
Rechargeable Transmitter



001-09006-000
Wireless Keypad



001-09009-000
2-Channel Mini Receiver



001-09013-000
Coax Antenna



001-09001-999
Euro Transmitter



001-09020-000
Euro Sunvisor Clip



001-09011-000
Outdoor 4-Channel Receiver



001-09101-000
CarLink



001-08101-000
Safety Photo Beam



001-08086-000
Flashing Light 24V



001-07591-000
Weight Bar 1.8kg



001-08085-000
Safety Photo Beam
(Applicable for Garage Door Openers and Rolling Door Openers)



001-08102-000
Aluminum Posts
Height: 550mm

Accessories

AVANTI

➤ Transmitter



Page 64

➤ CarLink



Page 66

➤ Receiver



Page 68

➤ Safety Photo Beam



Page 70






➤ Flashing Light



Page 72



> Transmitter

Technical Specs					
Product	GnS Transmitter	Euro Transmitter	Wireless Wall Switch	Rechargeable Transmitter	Wireless Keypad
Buttons	4	4	4	2	2
Range	80 m	80 m	100 m	40 m	80 m
Battery	2 x CR2016	2 x CR2016	1 x 23AE	No Battery	1 x CR2032
Frequency	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz	433.92 MHz
Code	KEELOQ Hopping Code, with over 4 billion random code combinations.				



001-09050-999
GnS Transmitter



001-09050-00R
GnS Transmitter
Red



001-09050-00M
GnS Transmitter
Orange



001-09050-00Y
GnS Transmitter
Yellow



001-09050-00G
GnS Transmitter
Green



001-09050-00I
GnS Transmitter
Dark Green



001-09050-00B
GnS Transmitter
Blue



001-09050-00P
GnS Transmitter
Purple

Fluorescent Buttons



001-09001-999
Euro Transmitter



001-09001-00R
Euro Transmitter
Red



001-09001-00M
Euro Transmitter
Orange



001-09001-00Y
Euro Transmitter
Yellow



001-09001-00G
Euro Transmitter
Green



001-09001-00I
Euro Transmitter
Dark Green



001-09001-00B
Euro Transmitter
Blue



001-09001-00P
Euro Transmitter
Purple



001-09004-000
Wireless Wall Switch
Can be mounted indoors without the need of expensive wiring. Can be unhooked and used as a conventional transmitter.



001-09030-000
Rechargeable Transmitter
Battery-Free. Plugs into Car Cigarette Lighter Socket.



001-09006-000
Wireless Keypad
Simply insert a PIN into the wireless Keypad for instant access.



001-09051-000
GnS Sunvisor Clip



001-09020-000
Euro Sunvisor Clip

Installation Example



Car-mounted

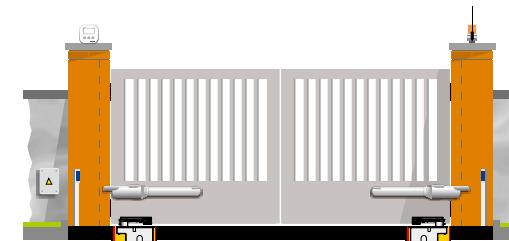


Wall-mounted

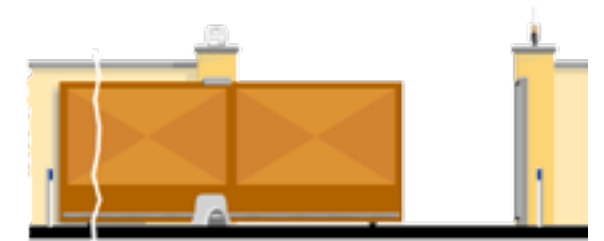
> Transmitter

Now you can have the colours of the rainbow in the palm of your hand. Welcome to our full range of Transmitters. Compact yet powerful they provide a stylish alternative to their bland looking counterparts.

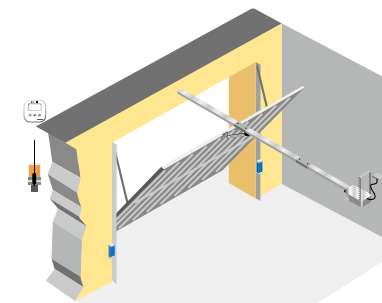
And their beauty is not just skin deep. Our state of the art hopping code technology provides over 4 billion random code combinations, ensuring that your safety and security are never compromised.



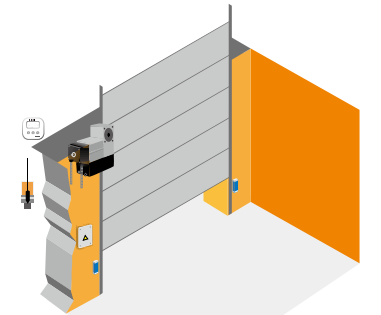
Swing Gate Opener



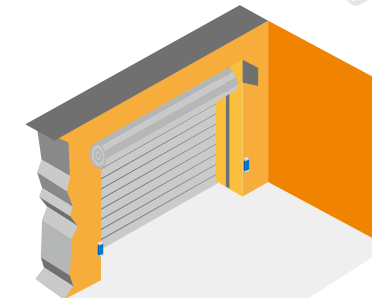
Sliding Gate Opener



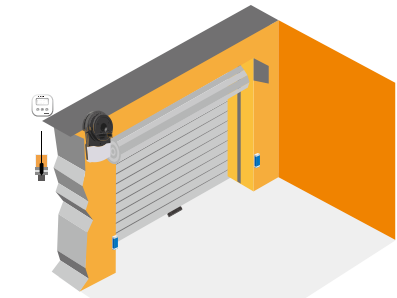
Garage Door Opener



Industrial Door Opener



Tubular Motor



Rolling Door Opener

> CarLink



001-09101-000
CarLink



001-09151-000
CarLink
Multicard System

Accessories

1



001-09102-000
CarLink Smartcard

2



001-09103-000
CarLink Coder

Accessory

3



001-09152-000
CarLink Smartcard
Multicard System

Technical Specifications

	CarLink	CarLink Multicard System
Part Number	001-09101-000	001-09151-000
Standard Kit	2 x 1	2 x 3
Smartcard Capacity	10 x 1 (Learning code)	Multiple x 3 (Fixed code)
Features	CarLink is matched with CarLink smartcard. CarLink smartcard can match with multiple CarLinks.	All CarLink multicard smartcards can match with all CarLink multicard systems.
Application Scope	Private villa	Housing estate gate

> CarLink

YOUR automated door only recognizes YOUR car!

Without pressing transmitters, CarLink will take control for you.
CarLink has a special 'telepatic' connection with your own car!
CarLink only recognizes YOUR car, opening garage doors and gates automatically!

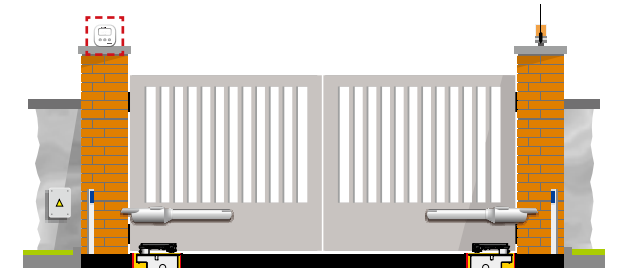
- CarLink uses an advanced code technology, ensuring your safety and security are never compromised.
- The combination of Auto-Close and Safety Beams ensure your safety and security.



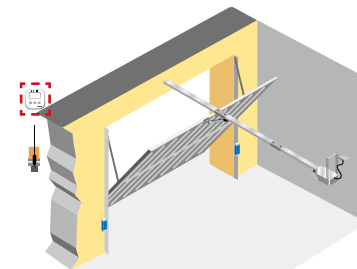
Applications



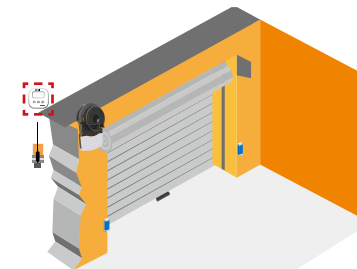
Sliding Gate Opener



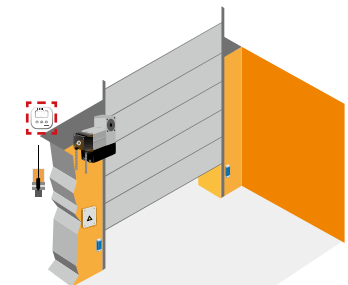
Swing Gate Opener



Garage Door Opener



Rolling Door Opener



Industrial Door Opener



Receiver

Technical Specs			
Product	2-Channel Mini Receiver	Outdoor 4-Channel Receiver	4-Channel Receiver
Channel	2	4	4
TX Capacity	27	200	200
Application	Indoor, not waterproof	Outdoor, waterproof	Indoor, not waterproof
Input Voltage	12-24V AC/DC	12-24V AC/DC	12-24V AC/DC
Switch State	NO/NC	NO/NC	NO/NC
Coax Antenna Available	Yes	Yes	Yes



001-09009-000
2-Channel Mini Receiver
(27 TX)



001-09011-000
Outdoor 4-Channel
Receiver
(200 TX)



001-09012-000
4-Channel Receiver
(200 TX)



001-09013-000
Coax Antenna

Installation Example (Outdoor 4-channel receiver 200 TX)



Wall-mounted

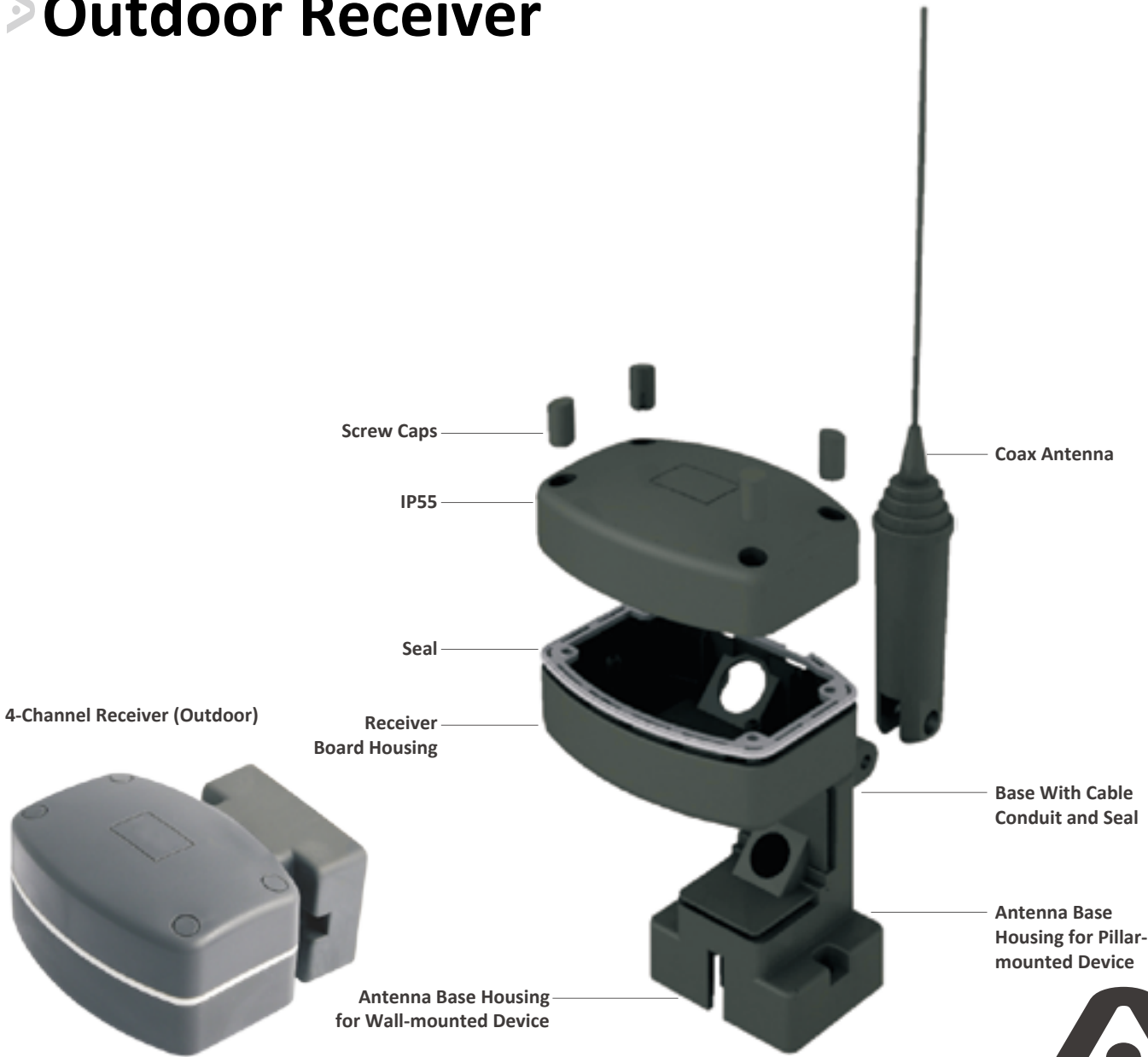


Rotating base



Pillar-mounted

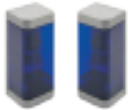
Outdoor Receiver



> Safety Photo Beam



001-08085-000
Safety Photo Beam
(Applicable for Garage
Door Openers and
Rolling Door Openers)



001-08101-000
Safety Photo Beam



Safety Photo Beam

Safety Photo Beams provide the last word in safety by passing an invisible eye across the path of your garage door and thus prevent the door from closing whenever there is an object in its path. Couple this with our Auto-Close feature and your garage door will never be inadvertently left open. Safety and Security for a modest additional investment.

Accessory



001-08102-000
Aluminum Posts
Height: 550mm

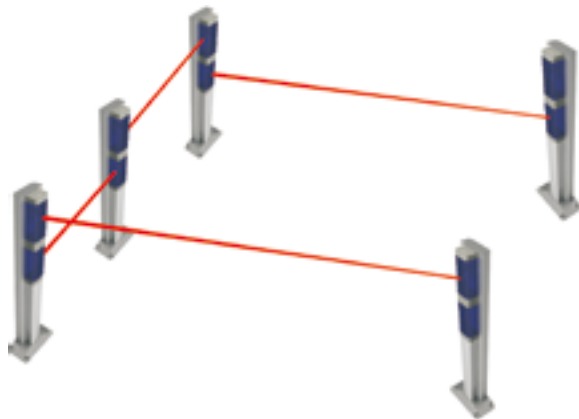


Safety Photo Beam

- Outdoor Version - fits to all Garage Door- and Gate Openers.
- Focal eye can be rotated through 180°.
- Can be mounted to optional aluminium post.

Installation Example

Focal eye can be rotated through 180°.



> Safety Photo Beam

Aluminium Posts

- Provide flexible mounting opportunities.
- High quality aesthetically pleasing design.

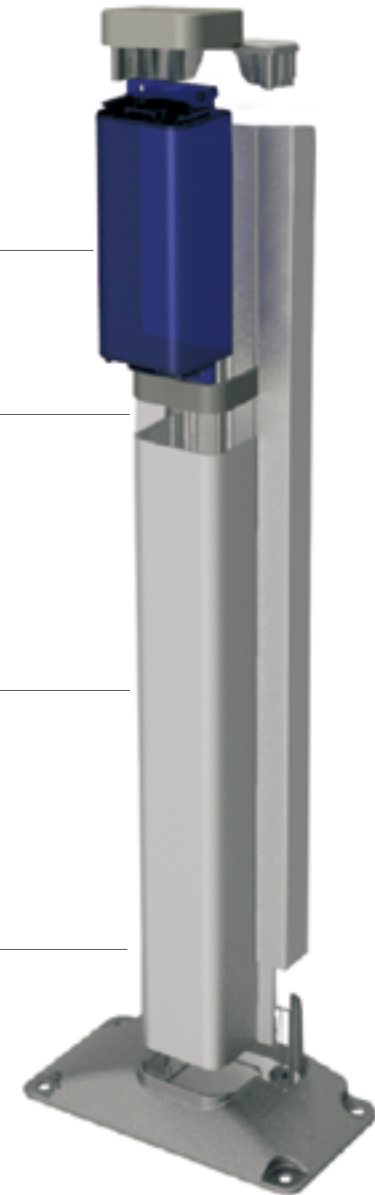


180° Rotation

Fastening Rails

Easy Maintenance

Aluminum Posts



➤ Flashing Light



001-08086-000
Flashing Light 24VDC



001-08086-001
Flashing Light 220VAC

Accessories



001-09012-000
4-Channel Radio
Receiver
(200 TX)



001-09013-000
Coax Antenna

Installation Example



Wall-mounted

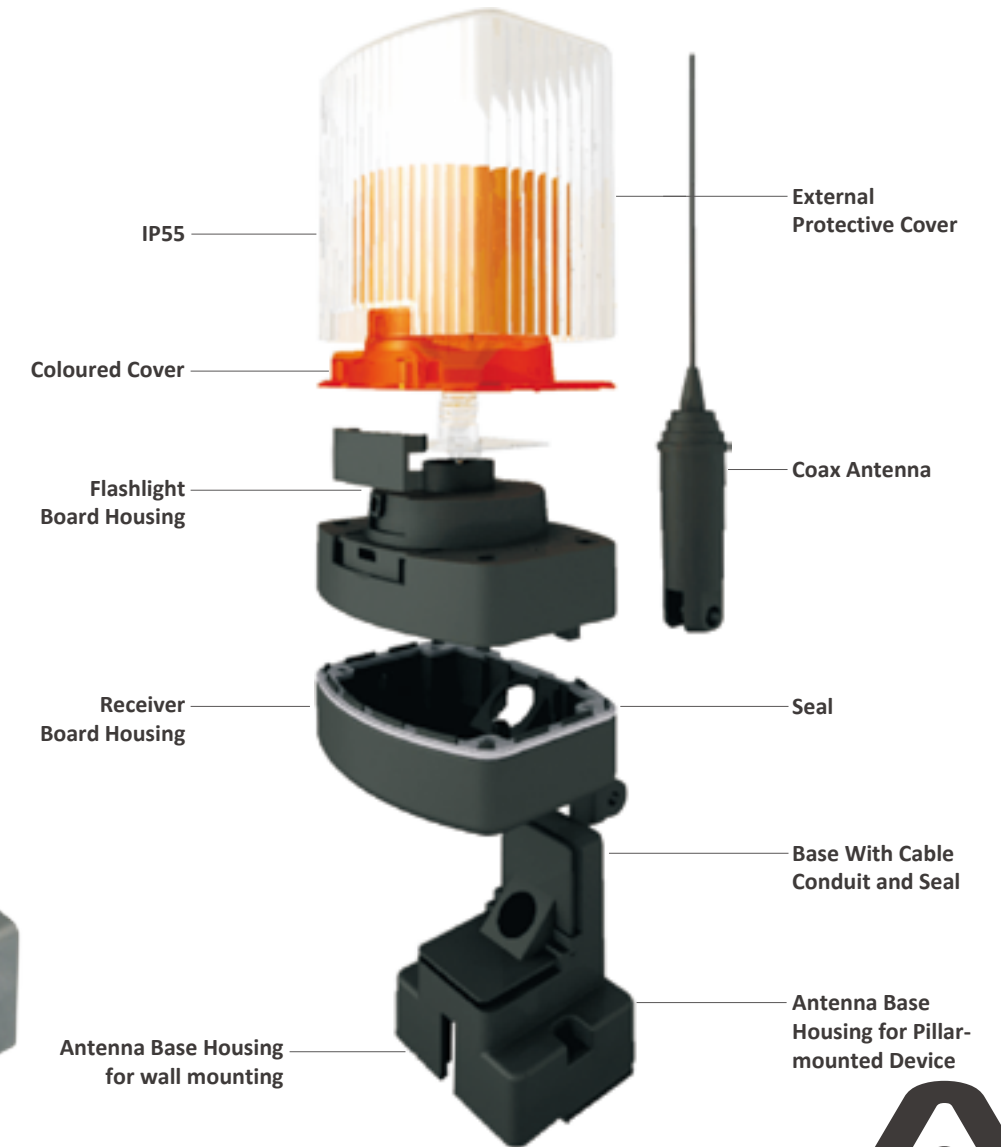


Rotating base



Pillar-mounted

➤ Flashing Light





AVANTI

Your Home - Our Drive

