

Automation for: **OVERHEAD AND SECTIONAL GARAGE DOORS**



76	Your selection guide
78	European Norms
82	Complete systems
88	Ver
90	Emega
92	Summary table of functions



Your selection guide

Overhead and sectional garage door operators

The tables summarise both the series and models, along with the maximum limits of use, based on the door leaf surface area or the traction force.

Series	Model	
		Max leaf surface (m ² /ft ²)
Emega	E306	9/100
	E456	14/150
	E1024	

● 230 V AC - ● 24 V DC INTENSIVE USE

		Maximum traction force (N)
Ver	V900E	500
	V700E	850

● 24 V DC INTENSIVE USE



The 24 V DC versions are specifically designed for intensive use and are guaranteed to work even during blackouts.



PARTIALLY RETRACTING counterweighted or spring-balanced overhead garage door (with traction-type operator)

This type of door features a counterbalancing or spring-loaded system. When opening and closing the door retract into the garage for about 2/3 of its overall surface area.

Series: Ver



PARTIALLY RETRACTING counterweighted or spring-loaded overhead garage door (with two operators fastened onto door)

This type of door features a counterbalancing or spring-loaded system. When opening and closing the door retract into the garage for about 2/3 of its overall surface area.

The double operator is used in case of insulated and / or pedestrian door.

Series: Emega



FULLY RETRACTING, PROTRUDING spring-balanced overhead garage door (with traction-type operator)

This type of door features a spring-loaded balancing system. When opening and closing the door retract fully into the garage.

Series: Ver



FULLY RETRACTING NON PROTRUDING counterweighted overhead garage door (with operator fastened onto door)

This type of door features a counterweighted balancing system. When opening and closing the door retract fully into the garage.

Series: Emega



SECTIONAL DOOR

This type of door features a spring-loaded balancing system. It is made up of horizontal, hinged panels. When opening and closing the door recesses fully into the garage.

Series: Ver

European Norms

An example of a European Regulation-compliant standard installation



Installation: ON PUBLIC PREMISES

The system is installed in a public area or bordering with a public area.



User Type: TRAINED

The system is activated only by users trained to use the automation.



Standard command type: RADIO COMMAND

It allows the system control either by remote or fixed device impulses.



Solutions for a safe installation: INFRARED-BEAM PHOTOCELLS AND FLASHING LIGHT

Came automation systems for garage doors are fitted for the connection of any type of infrared-beam photocells. A top-level safety for the user.

Came suggests the installation of the flashing light to indicate the presence of moving mechanical parts.

Also, KIARON and KIARO24IN provide easy programming of law-prescribed periodic maintenance, thanks to their "manoeuvre counter" function.



EN TESTED: CAME's added value

When you use EN-TESTED operators and control panels you need not install any sensitive safety edges. In this case, however, the impact forces need to be measured for compliance against the parameters established in the regulations.



This product is tested for compliance with maximum impact force standards established by EN 12445 and EN 12453 Technical Regulations.

Mounting the operator onto the door



The products

- A** Operator for overhead garage doors
- B** TX photocells
- C** RX photocells
- F** Flashing light
- G** Antenna
- H** Command switch
(key – code – card or transponder keyfob).
- L** Control panel
- Q** Junction box
- R** Transmission levers
- S** Pull-cord release device
- X** Radio receiver
- Y** Square transmission tube

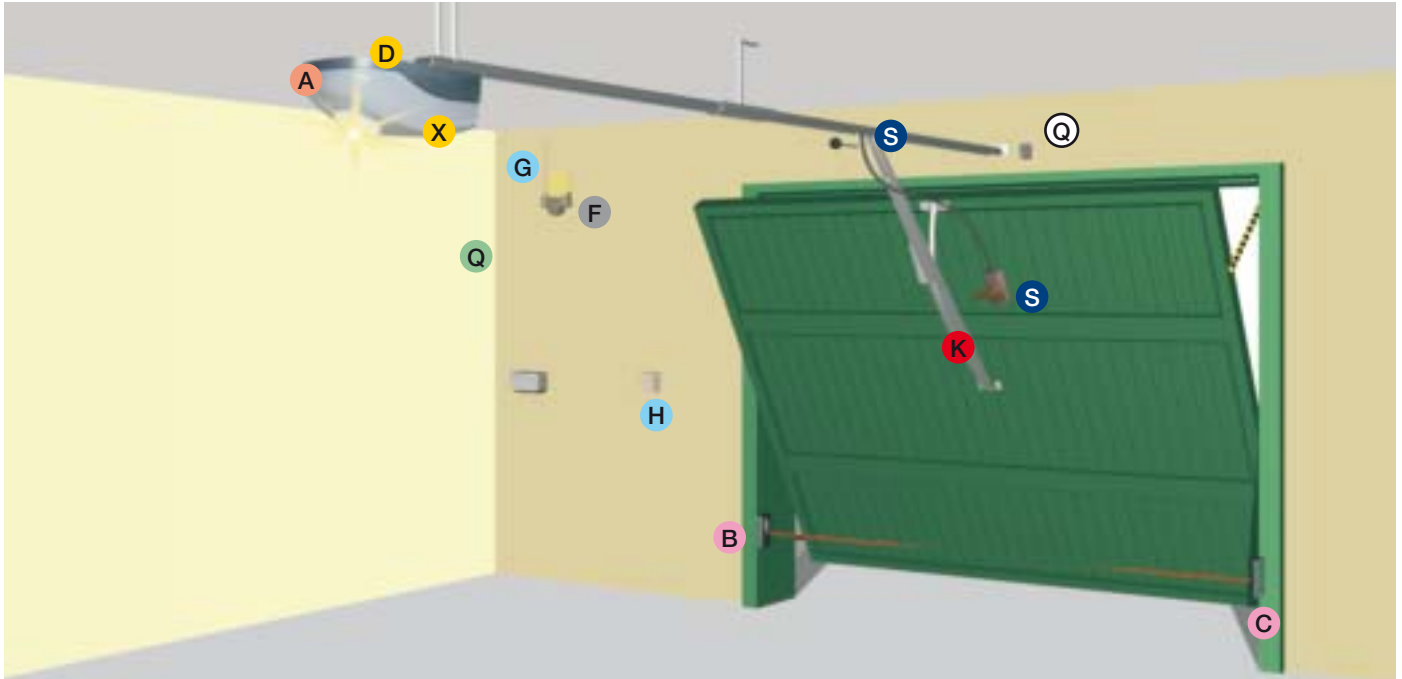
Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 ÷ 20 m / 32.80 ÷ 65.62 ft	20 ÷ 30 m / 65.62 ÷ 98.42 ft
230 V AC power supply	3G x 1.5 mm ² / 3G x AWG14	3G x 1.5 mm ² / 3G x AWG14	3G x 2.5 mm ² / 3G x AWG12
230 V AC motor power supply	3G x 1.5 mm ² / 3G x AWG14	3G x 1.5 mm ² / 3G x AWG14	3G x 2.5 mm ² / 3G x AWG12
24 V DC motor power supply	2G x 1.5 mm ² / 2G x AWG14	2G x 1.5 mm ² / 2G x AWG14	2G x 2.5 mm ² / 2G x AWG12
Endstop microswitches	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20
24 V AC - DC and 25 W flashing light	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16
230 V AC and 25 W flashing light	2 x 1.5 mm ² / 2 x AWG14	2 x 1.5 mm ² / 2 x AWG14	2 x 1.5 mm ² / 2 x AWG14
TX photocells	2 x 0.5 mm ² / 2 x AWG20	2 x 0.5 mm ² / 2 x AWG20	2 x 0.5 mm ² / 2 x AWG20
RX photocells	4 x 0.5 mm ² / 4 x AWG20	4 x 0.5 mm ² / 4 x AWG20	4 x 0.5 mm ² / 4 x AWG20
24 V DC electric lock	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16
Command devices	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20
Antenna		RG58 10 m max / 32.8 ft	

*n° = see product assembly instructions - **Warning:** the cable section is merely indicative and may vary depending on the motor power and cable length.

Standard Installation: COUNTERWEIGHTED PARTIALLY RETRACTING OVERHEAD GARAGE DOOR

Mounting the operator onto the ceiling



The products

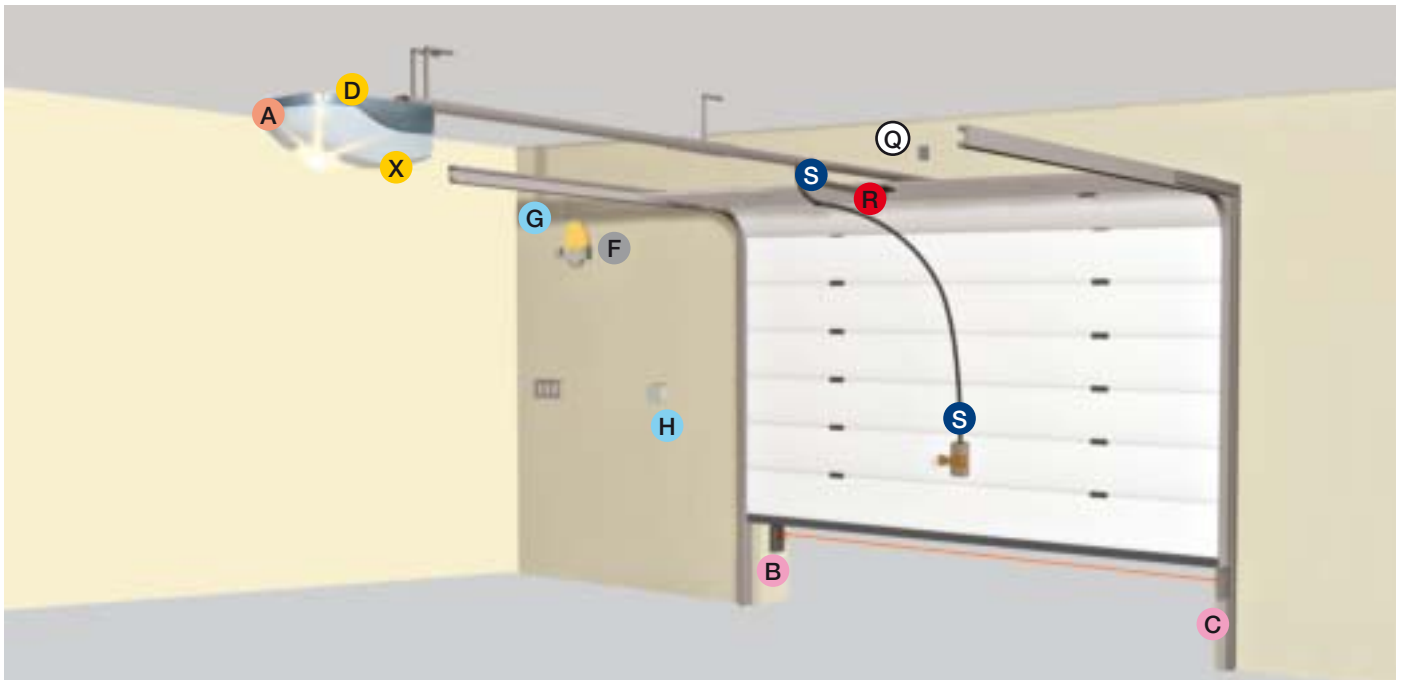
- A** Operator for overhead and sectional garage doors
- B** TX photocells
- C** RX photocells
- D** Control and battery charging card
- E** Safety sensitive edges
- F** Flashing light
- G** Antenna
- H** Command switch
(key – code – card or transponder keyfob).
- K** Adapter arm
- Q** Junction box
- S** Pull-cord release device
- X** Radio receiver

Which cables to use

Cable length (m/ft)	< 10 m / 32.80 ft	10 ÷ 20 m / 32.80 ÷ 65.62 ft	20 ÷ 30 m / 65.62 ÷ 98.42 ft
230 V AC power supply	3G x 1.5 mm ² / 3G x AWG14	3G x 1.5 mm ² / 3G x AWG14	3G x 2.5 mm ² / 3G x AWG12
230 V AC motor power supply	3G x 1.5 mm ² / 3G x AWG14	3G x 1.5 mm ² / 3G x AWG14	3G x 2.5 mm ² / 3G x AWG12
24 V DC motor power supply	2G x 1.5 mm ² / 2G x AWG14	2G x 1.5 mm ² / 2G x AWG14	2G x 2.5 mm ² / 2G x AWG12
Endstop microswitches	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20
24 V AC - DC and 25 W flashing light	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16
230 V AC and 25 W flashing light	2 x 1.5 mm ² / 2 x AWG14	2 x 1.5 mm ² / 2 x AWG14	2 x 1.5 mm ² / 2 x AWG14
TX photocells	2 x 0.5 mm ² / 2 x AWG20	2 x 0.5 mm ² / 2 x AWG20	2 x 0.5 mm ² / 2 x AWG20
RX photocells	4 x 0.5 mm ² / 4 x AWG20	4 x 0.5 mm ² / 4 x AWG20	4 x 0.5 mm ² / 4 x AWG20
24 V DC electric lock	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16
Command devices	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20
Antenna		RG58 10 m max / 32.8 ft	

*n° = see product assembly instructions - **Warning:** the cable section is merely indicative and may vary depending on the motor power and cable length.

Mounting the operator onto the ceiling



The products

- A** Operator for overhead and sectional garage doors
- B** TX photocells
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230 V AC motor power supply	3G x 1.5 mm ² / 3G x AWG14	3G x 1.5 mm ² / 3G x AWG14	3G x 2.5 mm ² / 3G x AWG12
24 V DC motor power supply	2G x 1.5 mm ² / 2G x AWG14	2G x 1.5 mm ² / 2G x AWG14	2G x 2.5 mm ² / 2G x AWG12
Endstop microswitches	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20
24 V AC - DC and 25 W flashing light	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16
230 V AC and 25 W flashing light	2 x 1.5 mm ² / 2 x AWG14	2 x 1.5 mm ² / 2 x AWG14	2 x 1.5 mm ² / 2 x AWG14
TX photocells	2 x 0.5 mm ² / 2 x AWG20	2 x 0.5 mm ² / 2 x AWG20	2 x 0.5 mm ² / 2 x AWG20
RX photocells	4 x 0.5 mm ² / 4 x AWG20	4 x 0.5 mm ² / 4 x AWG20	4 x 0.5 mm ² / 4 x AWG20
24 V DC electric lock	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16	2 x 1 mm ² / 2 x AWG16
Command devices	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20	*n° x 0.5 mm ² / n. x AWG20
Antenna		RG58 10 m max / 32.8 ft	




*n° = see product assembly instructions - **Warning:** the cable section is merely indicative and may vary depending on the motor power and cable length.

Complete sets



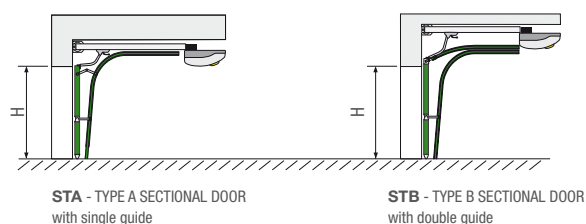
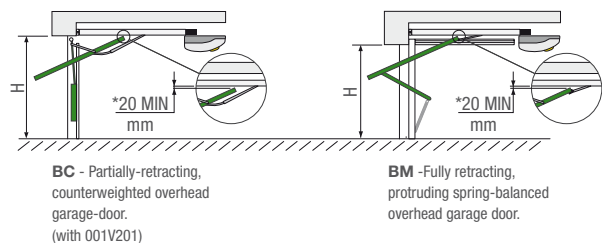
001U4483 Ver basic

Complete system kit with 24 V DC operator for sectional and overhead garage doors - tested in compliance with EN 12453 - EN 12445

Code	Description	Quantity
001V900E 	Complete automation system with encoder-based control panel, for sectional doors and overhead counterweighted and spring-loaded doors (Traction force 500 N).	1
001V0679	Chain guide L = 3.02 m / 9.90 ft * Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	1
001AF43S	Plug-in radio frequency card.	1
001DIR10 	Pair of photocells. Range: 10 m / 32.8 ft.	1
001TAM-432SA	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	1
001KIAR024N 	Flashing light.	1
	Door plate.	1



Application (mm)



H = Max door height

* While moving the door max dimension in height is equal to around 2/3 of the opening

Complete sets



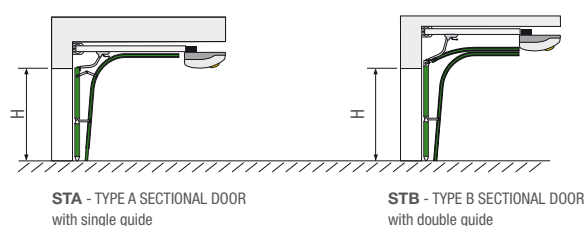
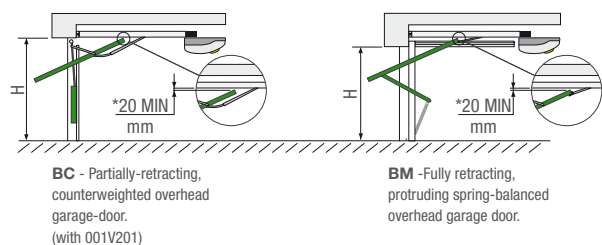
001U4484 Ver plus

Complete system kit with 24 V DC operator for sectional and overhead garage doors - tested in compliance with EN 12453 - EN 12445

Code	Description	Quantity
001V900E 	Complete automation system with encoder-based control panel, for sectional doors and overhead counterweighted and spring-loaded doors (Traction force 500 N).	1
001V0679	Chain guide L = 3.02 m / 9.90 ft * Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	1
001AF43S	Plug-in radio frequency card.	1
001DOC-E 	Pair of photocells. Range: 18 m / 59.05 ft.	1
001TAM-432SA	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	1
001KIAR024N 	Flashing light.	1
001TOP-A433N	Antenna.	1
001TOP-RG58	Antenna cable.	m 5
001SET-J	Surface-mounted key switch with aluminium alloy casing, lock protecting flap-door and cylinder.	1
	Door plate.	1



Application (mm)



H = Max door height

* While moving the door max dimension in height is equal to around 2/3 of the opening






Complete sets



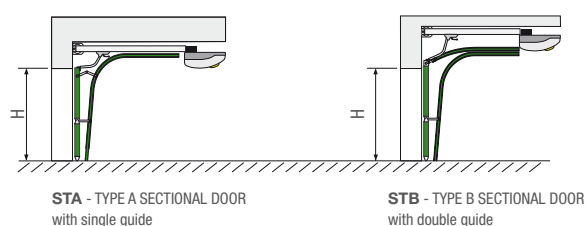
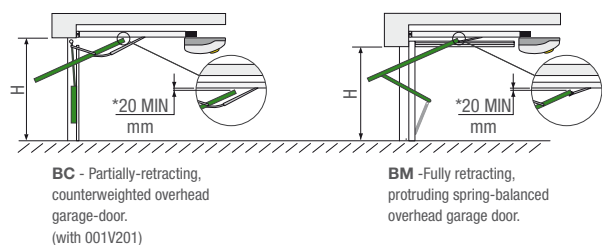
001U4510 Ver basic

Complete system kit with 24 V DC operator for sectional and overhead garage doors - tested in compliance with EN 12453 - EN 12445

Code	Description	Quantity
001V700E 	Complete automation system with encoder-based control panel, for sectional doors and overhead counterweighted and spring-loaded doors (Traction force 850 N).	1
001V0679	Chain guide L = 3.02 m / 9.90 ft * Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	1
001AF43S	Plug-in radio frequency card.	1
001DIR10 	Pair of photocells. Range: 10 m / 32.8 ft.	1
001TAM-432SA	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	1
001KIAR024N 	Flashing light.	1
	Door plate.	1



Application (mm)



H = Max door height

* While moving the door max dimension in height is equal to around 2/3 of the opening

Complete sets



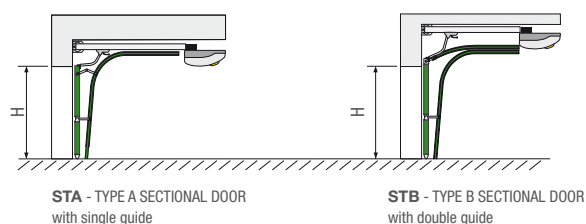
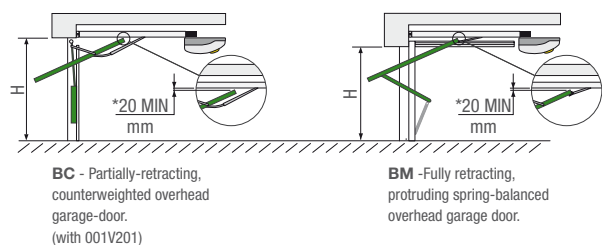
001U4511 Ver plus

Complete system kit with 24 V DC operator for sectional and overhead garage doors - tested in compliance with EN 12453 - EN 12445

Code	Description	Quantity
001V700E 	Complete automation system with encoder-based control panel, for sectional doors and overhead counterweighted and spring-loaded doors (Traction force 850 N).	1
001V0679	Chain guide L = 3.02 m / 9.90 ft * Max door height: * BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.	1
001AF43S	Plug-in radio frequency card.	1
001DOC-E 	Pair of photocells. Range: 18 m / 59 ft.	1
001TAM-432SA	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	1
001KIAR024N 	Flashing light.	1
001TOP-A433N	Antenna.	1
001TOP-RG58	Antenna cable.	m 5
001SET-J	Surface-mounted key switch with aluminium alloy casing, lock protecting flap-door and cylinder.	1
	Door plate.	1



Application (mm)



H = Max door height





* While moving the door max dimension in height is equal to around 2/3 of the opening

Complete sets



001U5074 Emega basic

Complete system kit with 24 V DC operator for spring-loaded or counterweighted overhead garage doors
- tested in compliance with EN 12453 - EN 12445

Code	Description	Quantity
001E1024 	Self-locking operator for doors of up to 14 m ² / 150 ft ² .	1
002ZL170N 	Control panel for overhead garage doors with one operator and with built-in radio decoder.	1
001E781A	Accessories to assemble the lateral transmission.	2
001E785A	Pair of straight telescopic arms with 40 x 10 mm / 1.57 x 0.39 in rectangular shaft.	1
001AF43S	Plug-in radio frequency card.	1
001DIR10 	Pair of photocells. Range: 10 m / 32.8 ft.	1
001TAM-432SA	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	1
001KIAR024N 	Flashing light.	1
	Door plate.	1



Complete sets



001U5075 Emega plus

Complete system kit with 24 V DC operator for spring-loaded or counterweighted overhead garage doors - tested in compliance with EN 12453 - EN 12445

Code	Description	Quantity
001E1024	Self-locking operator for doors of up to 14 m ² / 150 ft ² .	1
002ZL170N	Control panel for overhead garage doors with one operator and with built-in radio decoder.	1
001E781A	Accessories to assemble the lateral transmission.	2
001E785A	Pair of straight telescopic arms with 40 x 10 mm / 1.57 x 0.39 in rectangular shaft.	1
001AF43S	Plug-in radio frequency card.	1
001DOC-E	Pair of photocells. Range: 18 m / 59 ft.	1
001TAM-432SA	Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning function.	1
001KIAR024N	Flashing light.	1
001TOP-A433N	Antenna.	1
001TOP-RG58	Antenna cable.	m 5
001SET-J	Surface-mounted key switch with aluminium alloy casing, lock protecting flap-door and cylinder.	1
	Door plate.	1



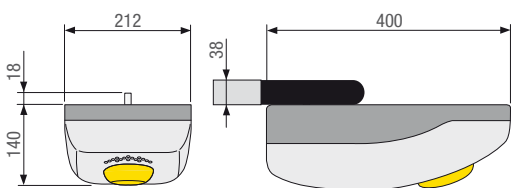
Max traction force 850 N

Ideal solution for sectional and overhead garage-doors for residential settings

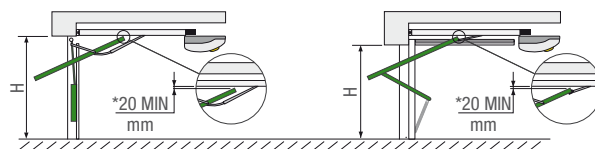


- The operator is anchored directly onto the transmission guide-rail.
- Guaranteed safe and reliable 24 V DC systems.
- A vast range of control and safety accessories to complete the operator.
- Silent and reliable belt and chain slide rails plus outer pull-chord release that can be fitted onto a door's handle-lock system.
- Tested according to applicable rules and regulations.
- Can function in emergency mode during blackouts.

Dimensions (mm)

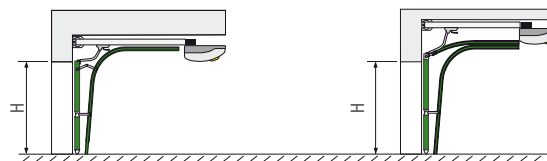


Application (mm)



BC - Partially-retracting, counterweighted overhead garage-door. (with 001V201)

BM - Fully retracting, protruding spring-balanced overhead garage door.



STA - TYPE A SECTIONAL DOOR with single guide

STB - TYPE B SECTIONAL DOOR with double guide

H = Max door height

* While moving the door max dimension in height is equal to around 2/3 of the opening

Limits to use

MODEL	V700E	V900E
Traction force (N)	850	500

● 24 V DC

Technical features

Type	V700E	V900E
Protection rating IP	IP40	IP40
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	24 DC	24 DC
Current draw (A)	11 MAX	6 MAX
Power (W)	260	130
Manoeuvre speed 90° (m/min - ft/min)	6/ 19.68	6/ 19.68
Duty cycle (%)	50	50
Traction force (N)	850	500
Operating temperature (°C/°F)	-20 ÷ +55/-4 ÷ +131	-20 ÷ +55/-4 ÷ +131
Motor thermo protection (°C/°F)	-	-

● 24 V DC

The complete range



Code **Description**

Complete automation systems with 24 V DC gearmotor - tested in compliance with EN 12453 - EN 12445

001V900E Complete automation system with encoder-based control panel, for sectional doors and overhead counterweighted or spring-loaded doors (Traction force 500 N).



001V700E Complete automation system with encoder-based control panel, for sectional doors and overhead counterweighted or spring-loaded doors (Traction force 850 N).



Accessories for: 001V900E - 001V700E

001V0670 Card for connecting n. 2 12 V – 1.2 Ah emergency batteries.



Accessories

001V121 Cord release device and release reset L = 3 m / 9.84 ft for application on door handle.

001V122 Transmission arm for sectional doors having distances of 300 - 600 mm / 11.81 - 23.62 in from the top edge of the door and the spring rod.

001V201 Adapter arm for partially extended counterweighted overhead doors with max door height: 2.4 m / 7.87 ft.

Chain guides

001V0679 Chain guide L = 3.02 m / 9.90 ft * Max door height:
* BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.

001V0682 Chain guide L = 3.52 m / 11.54 ft * Max door height:
* BM = 2.75 m / 9.02 ft - STA = 2.6 m / 8.53 ft - STB = 2.7 m / 8.85 ft.

001V0683 Chain guide L = 4.02 m / 13.18 ft * Max door height:
* BM = 3.25 m / 10.66 ft - STA = 3.1 m / 10.17 ft - STB = 3.2 m / 10.49 ft.

001V0684 Chain guide L = 3.02 m / 9.90 ft in two parts Max door height:
* BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.

Accessories for: chain guides

001V005 Chain guide extension for guide types:
001V0679 - 001V0682 - 001V0683 - 001V0684 L = 1.42 m / 4.66 ft.

Belt guides

001V0685 Belt guide L = 3.02 m / 9.90 ft * Max door height:
* BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.

001V0686 Belt guide L = 3.52 m / 11.54 ft * Max door height:
* BM = 2.75 m / 9.02 ft - STA = 2.6 m / 8.53 ft - STB = 2.7 m / 8.85 ft.

001V0688 Belt guide L = 4.02 m / 13.18 ft * Max door height:
* BM = 3.25 m / 10.66 ft - STA = 3.1 m / 10.17 ft - STB = 3.2 m / 10.49 ft.

001V0687 Belt guide L = 3.02 m / 9.90 ft in two parts * Max door height:
* BC = 2.4 m / 7.87 ft - BM = 2.25 m / 7.38 ft - STA = 2.1 m / 6.88 ft - STB = 2.2 m / 7.21 ft.

NOTE:

* BC = Counter-weighted - BM = Spring-loaded - STA = Sectional Type A - STB = Sectional Type B



Emega

Door surface up to 14 m² / 150 ft²

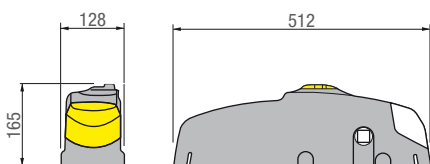


Ideal solution for overhead garage-door with anchoring of the operator on the door surface

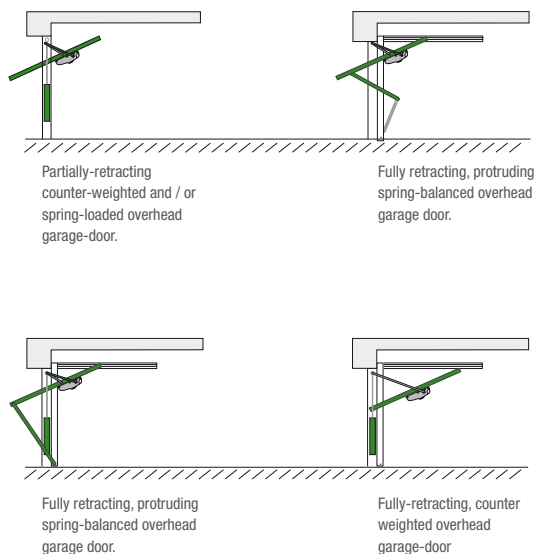


- Engineered for medium to large overhead garage doors in intensive use conditions.
- The 001E1024 and 001E306 models are tested for compliance with the applicable rules and regulations.
- The 230 V AC versions feature encoder technology that manages obstacle detection and slow-downs.
- Release lever for manually opening the door during blackouts. Now it can even be pulled from outside thanks to the pull-cord which can be fitted onto the door's handle-lock system.
- The 24 V DC version allows speed adjustments of the open/close runs and limit points as well as electronic detection of any obstacles.
- Control panel 002ZE5 can be fitted on the fixing guide-base 001E001.

Dimensions (mm)



Application



Limits to use

MODEL	E456	E1024	E306
Door surface (m ² /ft ²)	14/150	14/150	9/100

● 230 V AC ● 24 V DC

NOTE:

001E782A: necessary when installing n. 2 001E1024 operators.

Technical features

Type	E456	E1024	E306
Protection rating IP	IP50	IP50	IP50
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC
Motor power supply (V - 50/60 Hz)	230 AC	24 DC	230 AC
Current draw (A)	2	15 MAX	2
Power (W)	200	180	190
Manoeuvre speed 90° (s)	25	ADJUSTABLE	25
Duty cycle (%)	50	INTENSIVE USE	50
Torque (Nm)	420	450	300
Operating temperature (°C/°F)	-20 ÷ +55/-4 ÷ +131	-20 ÷ +55/-4 ÷ +131	-20 ÷ +55/-4 ÷ +131
Motor thermo protection (°C/°F)	150/302	-	150/302

● 230 V AC ● 24 V DC

The complete range



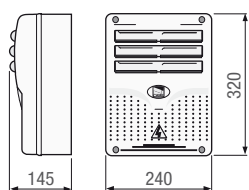
Code	Description
230 V AC operator and control panel - tested in compliance with EN 12453 - EN 12445	
001E306	Self-locking operator for doors of up to 9 m ² / 100 ft ² .
002ZE5	Control panel with built-in radio decoder and fitted to mount on 001E001 base-guide.
230 V AC operator and control panel	
001E456	Self-locking operator for doors of up to 14 m / 150 ft ² .
002ZE5	Control panel with built-in radio decoder and fitted to mount on 001E001 base-guide.
24 V DC operator and control panels - tested in compliance with EN 12453 - EN 12445	
001E1024	Self-locking operator for doors of up to 14 m ² / 150 ft ² .
002ZL170N	Control panel for overhead garage doors with one operator and with built-in radio decoder.
002ZL19NA	Control panel for overhead garage doors with two operators and with built-in radio decoder.
Accessories for: 002ZL170N and 002ZL19NA	
002LB18	Casing with emergency card, fitted to house n. 3 12 V - 7 Ah batteries.
Accessories	
001E001	Fixing guide-base L = 2 m / 6.56 ft.
001V121	Cord release device and release reset L = 3 m / 9.84 ft for application on door handle.
001E781A	Accessories to assemble the lateral transmission.
001E782A	Square transmission shaft 25 x 25 mm L = 3 m / 0.98 x 0.98 in L = 9.84 ft.
001E783	Pair of articulated arms.
001E784	Extra-long lever for articulated arm for doors higher than 2.4 m / 7.87 ft.
001E785A	Pair of straight telescopic arms with 40 x 10 mm / 1.57 x 0.39 in rectangular shaft.
001E786A	Pair of curved telescopic arms with 40 x 10 mm / 1.57 x 0.39 in rectangular shaft.
001E787A	Extra-long tube for telescopic arms for doors higher than 2.4 m / 7.87 ft.
001E881	Closing electric lock.



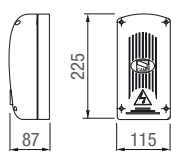
Electronic functions

The table shows all of the control panels features dedicated to overhead and sectional garage doors.
Those highlighted in bold are important when choosing which automation to install and should be considered from the start.

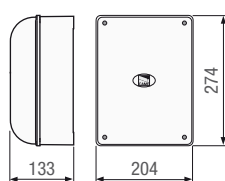
Dimensions (mm)



002ZL19NA
002LB18



002ZE5



002ZL170N





The models

Series	V900E	V700E	E306 E456	E1024	E1024
Type	ZL56	ZL56A	ZE5	ZL170N	ZL19NA
SAFETY					
SELF-DIAGNOSIS of safety devices					
Opening and closing PRE-FLASHING			●	●	●
RE-OPENING during closing	●	●	●	●	●
RE-CLOSING during opening					
Obstacle STALL					
TOTAL STOP	●	●	●	●	●
PARTIAL STOP				●	●
OBSTACLE DETECTION in front of photocells					
ENCODER	●	●		●	●
MOVEMENT CONTROL and OBSTACLE DETECTION device			●		
AMPEROMETRIC DETECTION	●	●		●	●
COMMAND					
1 leaf PEDESTRIAN OPENING					
1 leaf PARTIAL OPENING	●*	●*			
OPEN ONLY from the transmitter and/or the button			●	●	●
OPEN ONLY or CLOSE ONLY button connection			●	●	●
OPEN-STOP-CLOSE-STOP from the transmitter and/or the button	●	●	●	●	●
OPEN-CLOSE-REVERSE from the transmitter and/or the button			●	●	●
MAINTAINED ACTION			●	●	●
1st leaf DELAYED OPENING					
2nd LEAF DELAYED CLOSING					
IMMEDIATE CLOSING					
EMERGENCY RELEASE from the transmitter					
FEATURES AND ADJUSTMENTS					
FLASHING LIGHT connection	●	●	●	●	●
CYCLE LAMP connection				●	●
COURTESY LAMP connection	●	●	●		
Antenna	●	●	●	●	●
OPEN WARNING LIGHT connection			●	●	●
CLOSE WARNING LIGHT connection					
Contact output for 2nd RADIO CHANNEL					
RUNNING TIME adjustment				●	●
SELF-LEARNING of the transmitter's RADIO CODE	●	●	●	●	●
ELECTRO-LOCK/ELECTRO-RELEASE and/or RAM BLOW connection			●	●	●
Adjustable AUTOMATIC RE-CLOSING TIME	●	●	●	●	●
OPENING and/or CLOSING slow-down	●	●	●	●	●
EMERGENCY BATTERY operation (option)	●	●		●	●
MASTER-SLAVE					
Adjustable RUNNING and SLOW-DOWN SPEED				●	●
Signalling DISPLAY					
Electronic BRAKE	●	●			
Opening and closing endstop SELF-LEARNING	●	●	●	●	●

● 230 V AC - ● 24 V DC INTENSIVE USE

NOTE:

* Partial opening is activable with button, switch as well as with the transmitter.