Ditec
ENTREMATIC



Automation for gates and automatic barriers

EN

www.ditecentrematic.com

A complete range of products for any Ditec automation and barriers





Automation for sliding gates

Ditec Cross PAGE 5

Automation for swing gates

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Ditec Cubic PAGE 18

type of service:



Technical column for sliding gates



Automatic barriers

Ditec Alta PAGE 25

Ditec Qik PAGE 29

PERFORMING



Sliding gates require flexible automation capable of managing different frame dimensions, different types of duty and different environmental conditions, always ensuring maximum operational safety, functioning and reliability.
The **Ditec Cross** line meets all the different private, commercial and industrial needs.
These modern and fully equipped actuators are specifically designed to satisfy all most advanced technical and installation requirements. In particular, they come with a wide range of prearrangements for photocells, wiring and a trouble-free installation.

Ditec Cross

A full range of products, for any type of service

Ditec Cross 3

For sliding gates weighing up to 300 kg

It is ideal for frequent residential service

- Easily accessible, built-in electronic control panel with integrated radio
- Easy key lock release through removable cover opening
- Internal provision for photocells
- 24 V DC motor with encoder and slow-down effect
- Chain can be mounted on request.

Ditec Cross 5

Rugged, powerful, suitable for gates up to 450 kg

It is ideal for frequent residential service

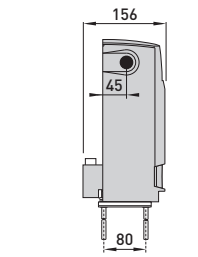
- Easily accessible, built-in electronic control panel with integrated radio
- Easy key lock release through removable cover opening
- Special limit-switch brackets which are elongated and shaped so as to enable perfect adjustment and prevent accidental limit-switch disengagement
- Modern-design, ABS case
- Rugged and powerful motor.

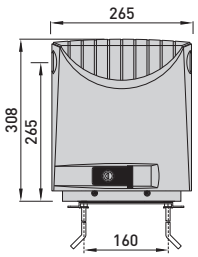
Range of products

	Weight up to
Cross 3E	300 kg
Cross 5EH	450 kg
Cross 7E - 7EH	600 kg
Cross 8E	800 kg
Cross 18 - 18E - 18VE	1800 kg
Cross 19	1800 kg
Cross 30E	3000 kg

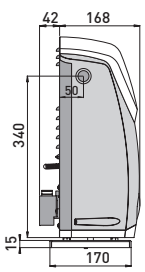
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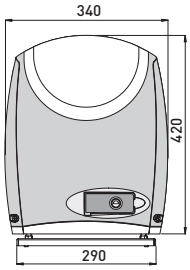
Cross 3





Cross 5 - Cross 7 - Cross 8





Ditec Cross 7-8

Aesthetically pleasing and technically accomplished

They are ideal for heavy service (in commercial, industrial and condominium entrances)

- Easily accessible, built-in electronic control panel with integrated radio
- Easy key lock release through removable cover opening
- Internal provision for photocells
- Special limit-switch brackets which are elongated and shaped so as to enable perfect adjustment and prevent accidental limit-switch disengagement
- Modern-design, ABS case
- Rugged and powerful motor
- Courtesy light with (optional) fading effect
- 24 V DC version (Ditec Cross 7EH)
- Base plate with precast wall anchors for trouble-free and quick installation.



Ditec Cross 3



Ditec Cross 5-7-8



Ditec Cross

A full range of products, for any type of service

Ditec Cross 18-19

For sliding gates weighing up to 1800 kg

They are ideal for heavy service (commercial and industrial entrances)

- Gear motors with three different limit switch working alternatives
- Easy key lock release through removable cover opening
- Ditec Cross 18VE with built-in radio
- Rugged and powerful motor
- Wide range of accessories to meet various operational requirements.

Ditec Cross 18-19



Ditec Cross 30

Rugged, powerful, suitable for gates up to 3000 kg

They are ideal for intensive service (community and industrial entrances)

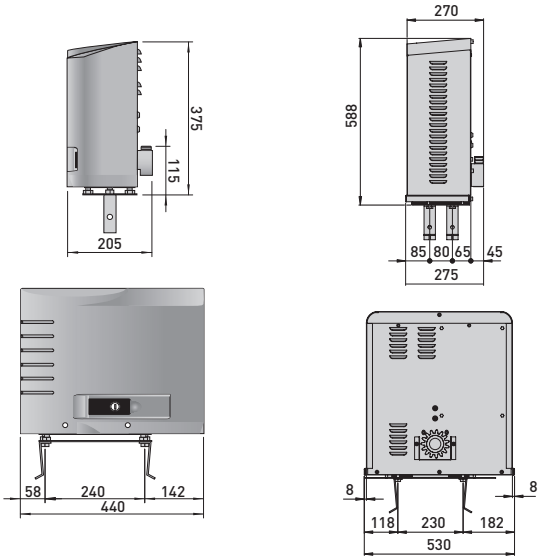
- Trouble-free installation
- Magnetic limit switch
- System housed in a robust steel cabinet
- Functional and large front removable cover for easy access to components
- Built-in electronic control panel.

Ditec Cross 30



Dimensions

Cross 18 - Cross 19	Cross 30





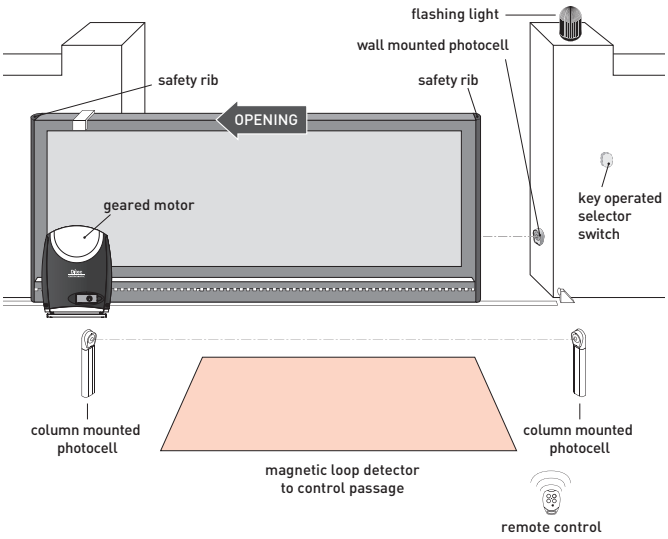
Specific accessories

Description	Cross 3E	Cross 5EH	Cross 7EH	Cross 7E	Cross 8E	Cross 18	Cross 19	Cross 30E
Battery backup in case of power failure	Bat K3	Bat K7	Bat K7					
Lighting kit	Lux K3E	Lux K7	Lux K7	Lux K7	Lux K7			
Nylon rack	Cross CRP Cross CRN2	Cross CRN2	Cross CRN2					
Galvanized steel rack	Cross CRI	Cross CRI	Cross CRI	Cross CRI	Cross CRI	Cross CRI	Cross CRI	Cross CR6
Chain traction kit	Cross 3TC	Cross 7EHTC	Cross 7EHTC					
Fastening plate	Sup CS	Sup CS	Sup CS	Sup CS	Sup CS			
Magnetic limit-switch kit		FCMCR	FCMCR	FCMCR	FCMCR			

Example of installation and technical specifications

Example installation

Cross 3 - Cross 5 - Cross 7 - Cross 8





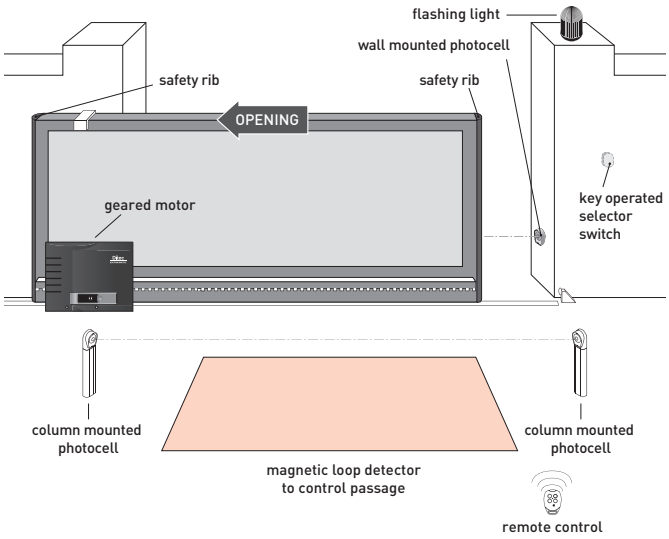
Technical specifications

Description	Cross 3E	Cross 5EH Cross 5EH1	Cross 7EH Cross 7EH1	Cross 7E	Cross 8E
Electromechanical actuator	for sliding gates up to 300 kg	for sliding gates up to 450 kg	for sliding gates up to 600 kg	for sliding gates up to 600 kg	for sliding gates up to 800 kg
Travel control system	encoder	encoder (5EH) lever (5EH1)	encoder (7EH) lever (7EH1)	lever	lever
Capacity	300 kg	450 kg	600 kg	600 kg	800 kg
Duty class	3 - medium duty	4 - heavy duty	4 - heavy duty	4 - heavy duty	4 - heavy duty
Intermittent operation	S2 = 15 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%
Power supply	230 V AC 50-60 Hz	230 V AC 50-60 Hz	230 V AC 50-60 Hz	230 V AC 50 Hz	230 V AC 50 Hz
Input	1.2 A	1.2 A	1.5 A	2 A	3 A
Thrust	150 N	400 N	600 N	700 N	800 N
Opening speed	0.12 - 0.25 m/s	0.09 - 0.21 m/s	0.12 - 0.20 m/s	0.18 m/s	0.18 m/s
Closing speed	0.12 - 0.25 m/s	0.09 - 0.21 m/s	0.12 - 0.20 m/s	0.18 m/s	0.18 m/s
Max stroke	7 m (rack) 5.7 m (chain)	20 m	20 m	20 m	20 m
Release system for manual opening	key operated	key operated	key operated	key operated	key operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP 24D	IP 24D	IP 24D	IP 24D	IP 24D
Product Dimensions (mm)	265x155x397	340x210x420	340x210x420	340x210x420	340x210x420
Control panel	EL31R + M1CR3	EL31R + M1CR5	EL31R + M1CR7	E1A (built in)	E1A (built in)

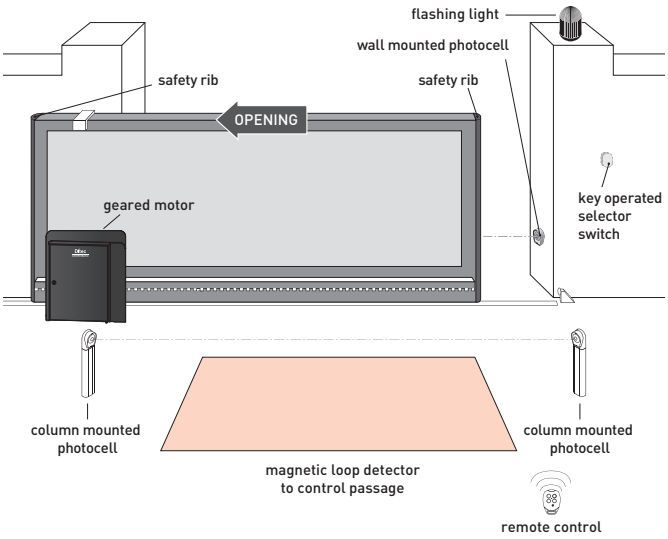
Example of installation and technical specifications

Example installations

Cross 18 - Cross 19



Cross 30



Technical specifications

Description	Cross 18	Cross 18E	Cross 18VE	Cross 19V	Cross 30E
Electromechanical actuator	for sliding gates up to 1800 kg	for sliding gates up to 1800 kg	for sliding gates up to 1800 kg	for sliding gates up to 1800 kg	for sliding gates up to 3000 kg
Travel control system	rotary stop	lever	magnetic mechanical stop	magnetic mechanical stop	magnetic mechanical stop
Capacity	1800 kg	1800 kg	1800 kg	1800 kg	3000 kg
Duty class	4 - heavy duty	4 - heavy duty	4 - heavy duty	4 - heavy duty	5 - very heavy duty
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S3 = 100%
Power supply	230 V AC 50 Hz	230 V AC 50 Hz	230 V AC 50 Hz	400 V AC 50 Hz	400 V AC 50 Hz
Input	3 A	3 A	3 A	1.2 A	2.1 A
Thrust	1200 N	1200 N	1200 N	1500 N	3000 N
Opening speed	0.2 m/s	0.2 m/s	0.2 m/s	0.2 m/s	0.16 m/s
Closing speed	0.2 m/s	0.2 m/s	0.2 m/s	0.2 m/s	0.16 m/s
Max stroke	11 m	20 m	20 m	20 m	20 m
Release system for manual opening	key operated	key operated	key operated	key operated	a key operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C	-20°C / +55°C
Protection rating	IP 24D	IP 24D	IP 24D	IP 24D	IP 45
Product Dimensions (mm)	440x205x375	440x205x375	440x205x375	440x205x375	530x275x588
Control panel	E1A LOGICM	E1A (built in)	LOGICM (built in)	E1T	E1T (built in)

System functions

System functions

	Cross 3E Cross 5EH Cross 7EH	Cross 7E - 8E Cross 18 - 18E	Cross 18 -18VE	Cross 19V Cross30E
Description	EL31R	E1A	LOGICM	E1T
Control panel	for 1 24 V DC motor with built-in radio	for 1 230 V AC motor with built-in radio	for 1 or 2 230 V AC motors	for 1 three-phase 400 V AC motor
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Batteries	■ (optional)			
Energy saving	reduced consumption when in use			
Number of motors	1	1	1	1
Motor power supply	24 V DC / 14 A	230 V AC / 5 A	230 V AC / 1 x 5 A 230 V AC / 2 x 2.5 A	400 V AC / 6 A
Accessories power supply	24 V DC / 0.3 A	24 V DC / 0.5 A	24 V DC / 0.5 A	24 V DC / 0.5 A
Flashing light	24 V	230 V	230 V and 24 V	24 V
Gate open warning light	from limit switch and analogue	from limit switch	from limit switch and analogue	from limit switch
Courtesy light	■	■	■ (only with 1 motor)	
Limit switch provision	■	■	■	■
Encoder (to control speed and deceleration)	■			
Force adjustment control setting	automatic	transformer	transformer	
ODS - Obstruction Detection System	■	■	■	
Speed adjustment	■			
Braking / slowdown	■			
Operation time adjustment		■	■	
Open control	■ (with dip-switch)	■ (with dip-switch)	■	■ (with dip-switch)
Partial opening control	■	■ (with radio only)	■	■
Close control	■	■	■	■
Temporised automatic closing	■	■	■	■
Inching control	■	■	■	■
Hold-to-run control	■	■	■	■
Stop safety device	■	■	■	■
Reverse operation safety device	■	■	■	■
Safety Test Facility (for SOF self-testing safety devices)	■	■	■	■
Soft Start	■			
NIO - Antifreeze system (for maintaining motor efficiency even at very low temperatures)	■	■	■	
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C

FUNCTIONAL

External automation by Ditec, quality stands out, automatically.
Great care is required at the design stage of automation used on swing gates, as the gates are exposed to bad weather and are often very frequently used.
In order to offer the best possible solution, when designing the automation system, it is crucial to know exactly how the gate will be used.
Ditec offers a full range of products designed to allow easy installation on gates of any size and to cater for any type of duty.



Ditec Obbi

Safe and functional, for swing gates with doors up to 3 metres
For medium duty

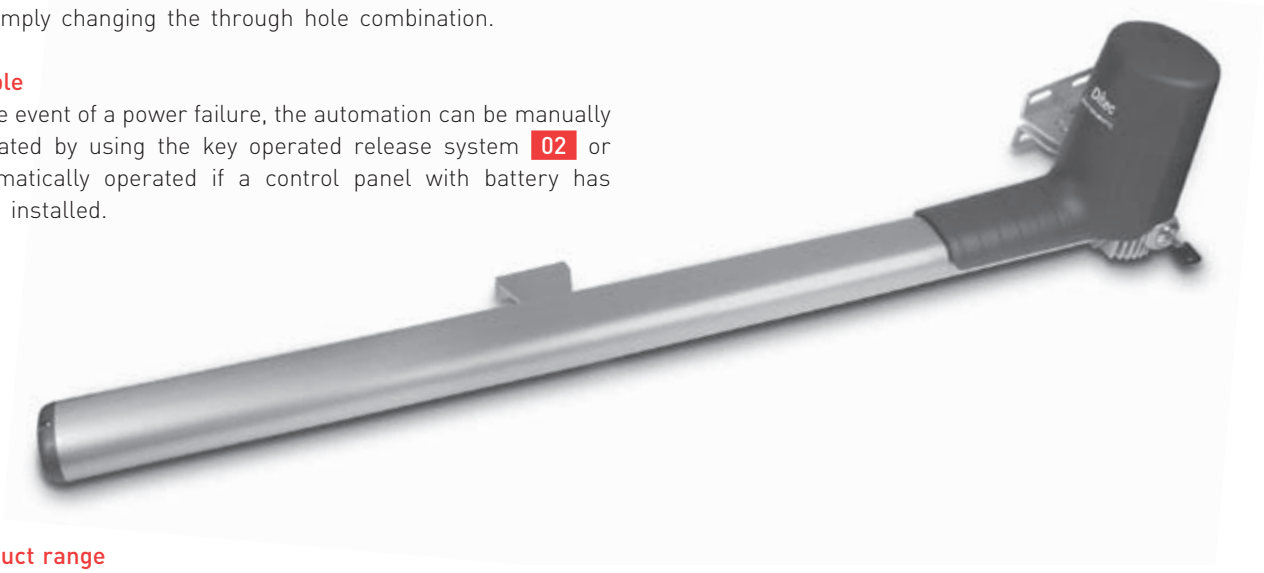
Elegant design
Gates for residential application often require an automation able to ensure long lasting, highly reliable gate operation, as well as to perfectly blend in with the look of the gate.
Ditec Obbi's smart yet simple design fully meets these requirements and can also be used with any type of modern or period gates.

Versatile
Its very thin frame blends in exceptionally well with the frame of the gate and ensures easy installation thanks to its special connecting system, which may be fixed without welding, if so required, and to its multi-hole rear bracket 01, easily adjustable to be located in the most suitable operating position by simply changing the through hole combination.

Simple
In the event of a power failure, the automation can be manually operated by using the key operated release system 02 or automatically operated if a control panel with battery has been installed.

Distinctive features
- High safety level ensured by the 24 V DC power supply
- Smart yet simple design
- Anodised aluminium shaft cover
- Suitable for any modern or period gate frame
- Can be used to operate gates with small pillars
- Easily accessible key-operated release system
- The following features are available: partial opening, speed setting, soft start and soft stop

Special accessories
- Back-up battery pack to be used in the event of a power failure

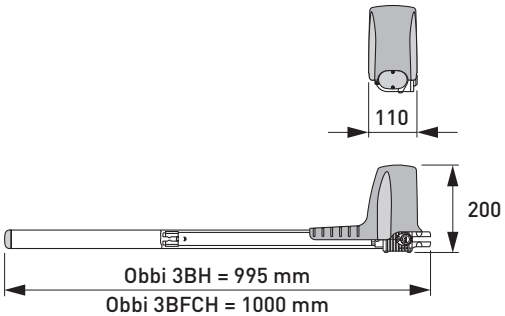


Product range

Medium duty	Wing
Obbi 3BH - Obbi 3BFCH	up to 3 m

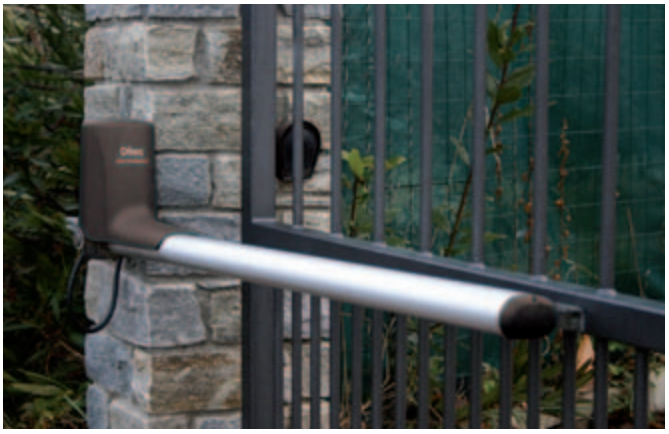
Dimensions

Obbi









Ditec Luxo

Sturdy and indefatigable, for swing gates with doors up to 5 metres
For heavy duty

The privilege of beauty
Smart and refined, Ditec Luxo was designed to be admired and desired.
Its modern and futurist look features soft and smooth lines and makes it suitable for any type of gate frame.
The automation has been designed to comply with the sturdiest and most reliable Ditec systems.
Being made of aluminium, it looks light and clean; this will ensure its long life, withstanding harsh weather, and is further enhanced by and additional polyester coating.
Every detail and shape has been carefully and passionately designed.

Total life time reliability
System and power connection cables are located in a specially designed raceway 02 to avoid scratching, torsion and wear during operation, thus preventing any possible damage.
Brackets are made of galvanized steel 03 while rotation bushes are made of hardened steel to ease the movement of the automation and to resist wear and tear.

Easy installation
Under the upper casing all electric connections are neatly gathered 04 to make both installation and maintenance easy and quick.

Power failure? No problem!
Thanks to its manual release system, located under its smart and easily accessible plastic cover 01, all emergencies caused by power failure can be easily overcome.

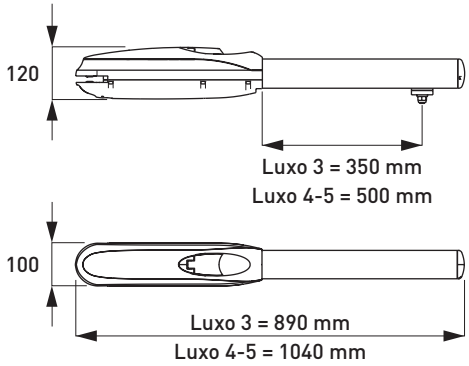


Product range

Heavy duty	Wing
Luxo 3B - Luxo 3BH	up to 3.5 m
Luxo 4BH	up to 4 m
Luxo 5B - Luxo 5BH - Luxo 5VBH	up to 5 m

Dimensions

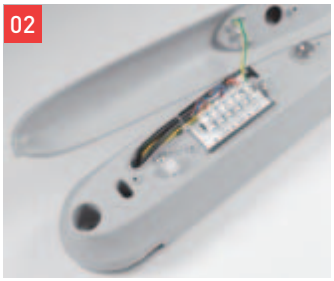
Luxo



01



02





Smartly designed, details included

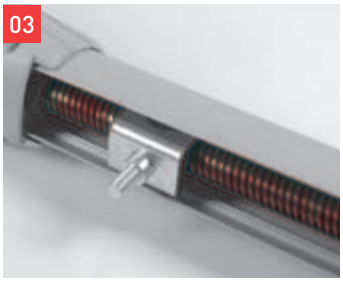
All fixing screws 05 are made of stainless steel to be weatherproof and to preserve the beauty of the whole automation system over time. However, they are intentionally and cleverly hidden by the designer's attention to detail.
Sturdy, durable and reliable, it works quietly to be admired and desired 06.

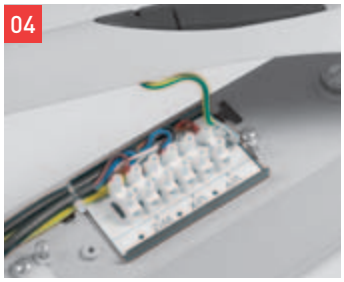
Distinctive features

- Irreversible or reversible, customer specified (230 V version)
- Version with dustproof brushes and limit switch as standard
- Version with 24 V motor, partly open, speed adjustment, soft start and soft stop

Special accessories

- Limit switch unit
- Electrically operated locks
- Back-up battery pack to be used in the event of a power failure





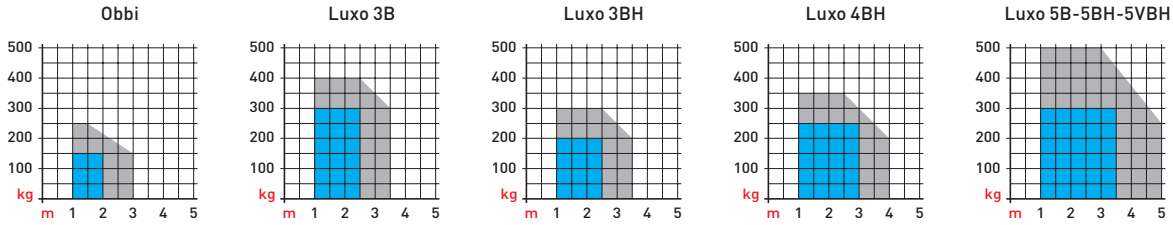




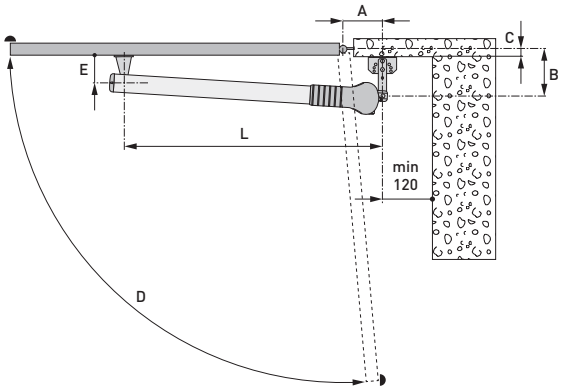
Operation diagrams and charts

Recommended use

Operation limit

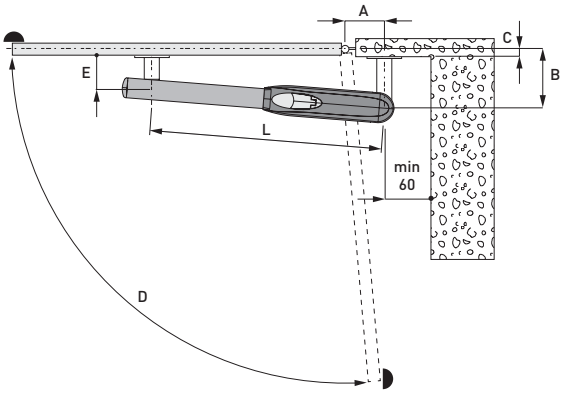


Obbi



A	B	C max (90°)	D max	E	L
150	150	85	100°	75	910
120	160	95	100°	75	910
120	180	115	100°	75	910
160	120	55	110°	75	910

Luxo



(*) Use measurements between minimum and maximum

	A*	B*	A	B	C	D	E	L
Luxo 3B Luxo 3BH	min 105 max 130	min 120 max 170	130 105 130 170	170 140 130 130	100 70 60 50	90° 90° 95° 110°	90	760
Luxo 4BH Luxo 5B Luxo 5BH Luxo 5VBH	min 130 max 200	min 170 max 290	170 200 200 130	170 200 170 290	100 130 100 220	90° 95° 120° 90°	120	910

VERSATILE

Ditec articulated arm automation, the ideal solution for complex applications.
Automation for swing gates, ideal for medium and heavy duty applications. Quiet, hard-wearing and easy to install, can be configured to meet any need – even complex ones such as very large wings or out-of-plumb pillars.



Ditec Facil

Simple and versatile, for swing gates with doors up to 2.3 metres
For heavy duty

Ditec Facil has been designed to be simple to install and easy to connect, being able use many various types of motor it is highly practical.
The ABS guard ensures good resistance against the weather and boasts high quality and elegant finishes, simple and clean lines, and can blend perfectly to any type of entrance.

No problem in case of power failure

The key operated, easily accessible release door is built into the front of the cast aluminium casing 01.
The Deb 04 device, which is easily operated with a cord, allows the automation to be remotely controlled without opening the door.

Carefully designed with safety in mind

The shape of the articulated arm and its connection to the casing 02 have been designed to avoid any shearing problems.
Ditec Facil is fitted with built in and adjustable open-close mechanical stops.
A limit switch unit can be installed to supply visual indicators or to stop the wing.

Ready and simple to install

Ditec Facil features a built-in electronic panel which can easily be removed, leading to obvious advantages during the installation stage as well as when performing any maintenance on the automation.
After removing the guard, the see-through control panel enclosure can be taken out to reveal the controls.

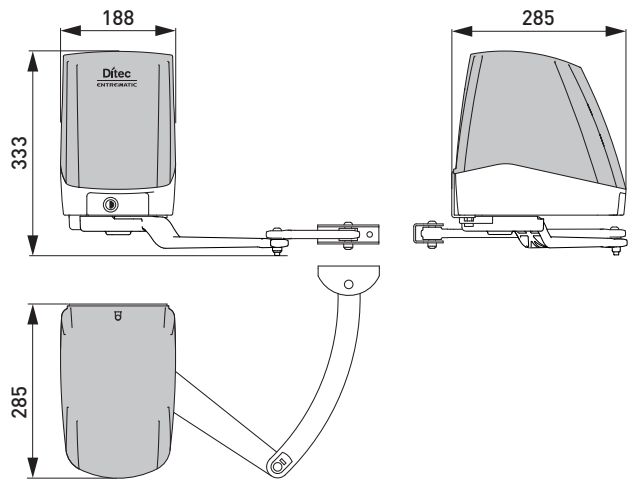
Accessories

- Key operated handle with 5 m remote release cord
- Limit switch unit
- Internal and external battery for VIVA H control panel
- Straight arm



Dimensions

Facil









Ditec Arc

Easy to install and versatile, for swing gates with doors up to 5 metres
For heavy duty

Versatile
Ditec Arc has been designed for easy installation, either right or left, and can even move very large wings with a 24 V DC power supply, ensuring high safety operation.

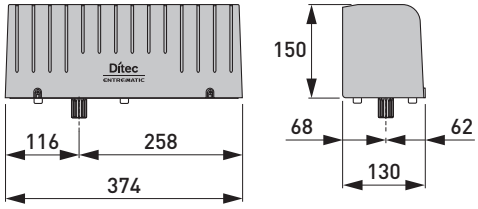
Ensures long-lasting operational reliability
Ditec Arc key release system is easy to access. In case of power failure, the 24 V DC version ensures some emergency automatic operations, taking the necessary power supply from the battery (optional).
The ABS casing offers a greater resistance to atmospheric agents.

Accessories
- Key operated handle with 5 m remote release cord
- Limit switch unit
- Internal and external battery for VIVA H control panel
- Gear motor side fastening plate
- Adjustable stop

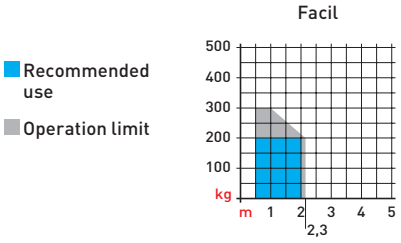


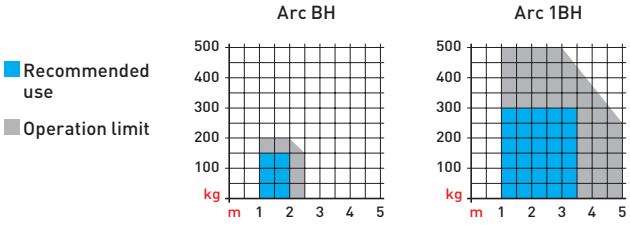
Dimensions

Arc

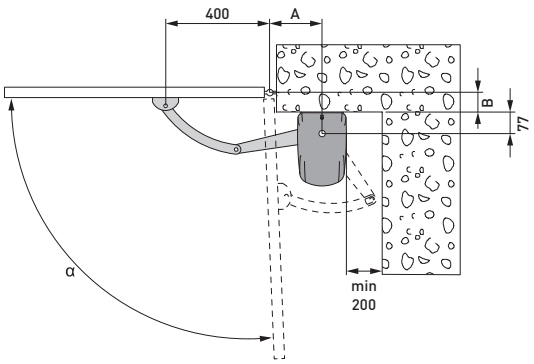


Operation diagrams and charts



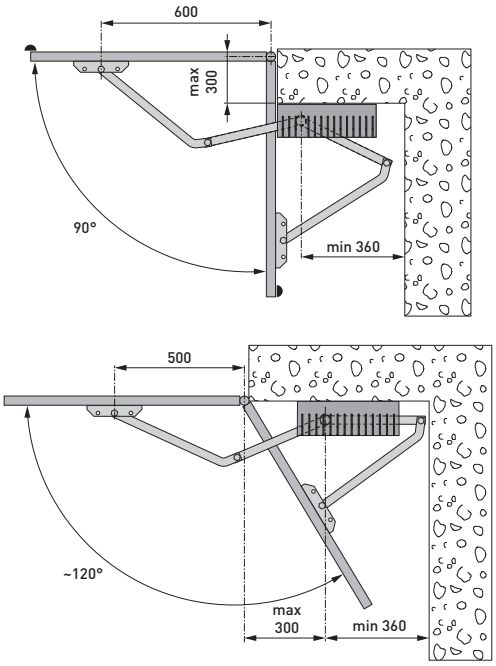


Facil



		A (mm)								
		120	130	140	150	160	170	180	190	200
B (mm)	0	90°	90°	95°	95°	100°	100°	105°	105°	110°
	50	90°	90°	95°	95°	95°	95°	95°	95°	95°
	100	90°	90°	90°	90°	90°	90°	90°	90°	/
	150	90°	90°	90°	90°	90°	90°	90°	/	/
	200	90°	90°	90°	90°	90°	/	/	/	/

Arc



INVIS IBLE

Underground automation for Ditec Cubic 6 swing gates do not alter the aesthetics or style of the gate.
There are several issues that come into play when it comes to buying a house: looks, comfort, proximity to facilities and, above all, security. Convenience and security start at the entrance to the property.
Ditec Cubic 6, the range of underground control systems for swing gates, is the solution which meets this requirement.



Ditec Cubic 6

The invisible automation
For medium and heavy duty

Ideal for architecturally fine gates

Ditec Cubic 6 is an underground automation for swing gates. Unobtrusive on its visible parts, the product allows the gate to open and close without interfering with its look and style. This makes it the ideal solution for fine gates and entrances, such as those fitted to architecturally attractive or historically significant buildings, or for any application where style, look or elegance should be kept unaltered.

Concealed, sturdy and versatile

Practical and simple to operate, the automation consists of a stainless steel or electrically galvanised steel foundation casing fitted below the ground, where the geared motor and all mechanical linkages which operate the gate leaves are housed.

This highly versatile solution which can be customised to individual requirements:

- allows the gate to be opened at a very wide angle, up to 180°;
- combined with Ditec electrical control panels, the automation allows the motor to successfully overcome any initial friction caused by bad weather conditions such as ice;
- can also be used in applications requiring fast access.

Product range

	Cubic 6	Cubic 6H	Cubic 6V	Cubic 6HV
Gear motor	230 V AC	24 V DC	230 V AC	24 V DC
Wing dimension	3.5 m	3.5 m	1.5 m	1.5 m
Duty	residential	block of flats, heavy duty	residential	block of flats, heavy duty
Opening time	18 s/90°	12÷25 s/90°	9 s/90°	6÷13 s/90°





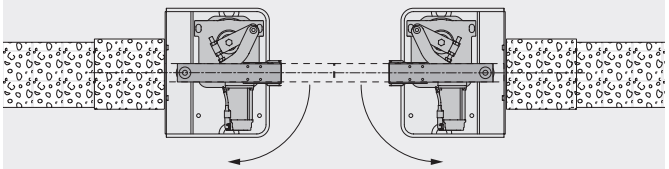
Distinctive features

- The gear motors are housed in a sturdy stainless steel or electrically galvanised steel foundation casing to increase resistance to weathering; the automation is fixed by means of stainless steel screws pre-built in the foundation casing.
- In the 110° angle version 01, rotation is done by a lever system, whilst in the 180° angle version rotation is done by a chain 02 or a gear lever unit 03.
- CE mark
- Aesthetically pleasing release system with key and lever which may be operated from both sides
- Works even at low temperatures
- Motor protected by an internal temperature probe
- Supplied with all security, control and monitoring accessories
- Wing support system on hardened steel ball

Special accessories

- Internal mechanical stop both for opening and closing operations
- Magnetic limit switches
- Customisable DIN key

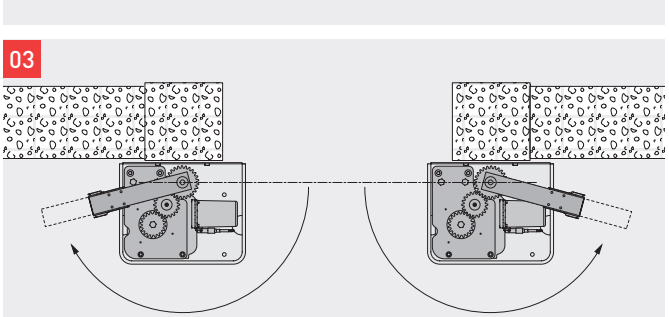
01



02

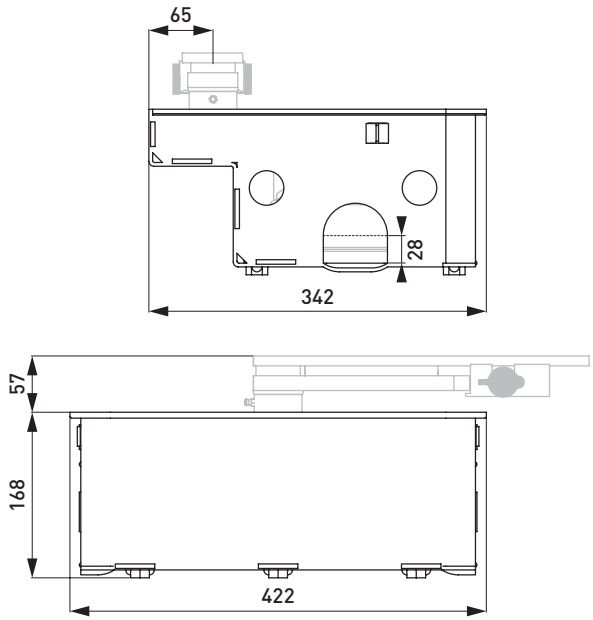


03



Dimensions

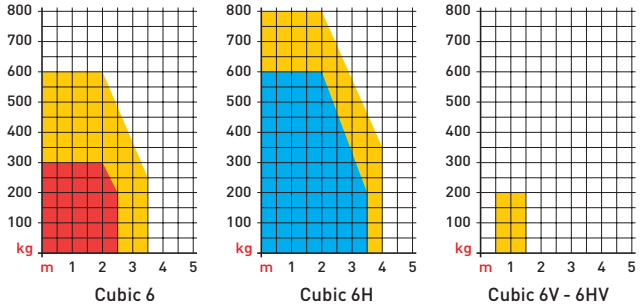
Cubic 6



Duty charts

Duty details:

Lever system kit
Lever system kit with chain
Lever system kit with gear



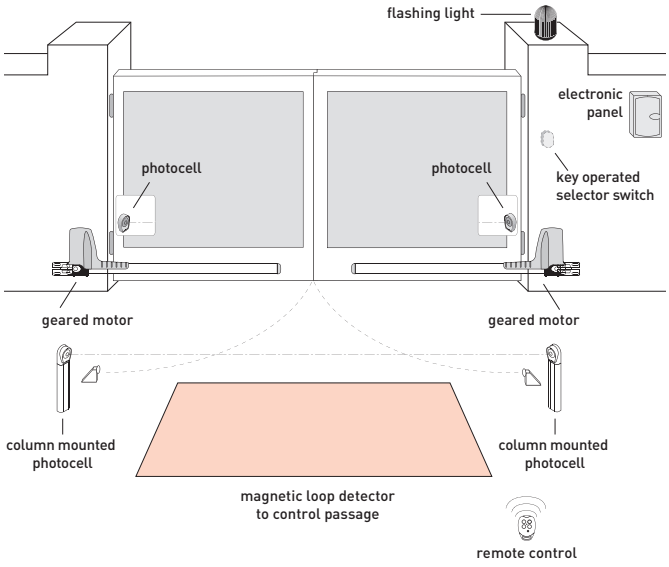
Cubic 6 | Cubic 6H | Cubic 6V - 6HV

Ditec Obbi, Ditec Luxo

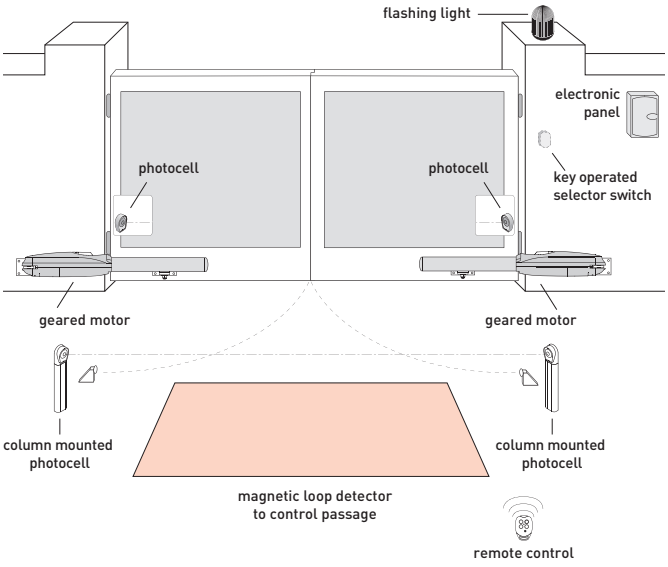
Example installations and technical specifications

Example installations

Obbi



Luxo



Technical specifications

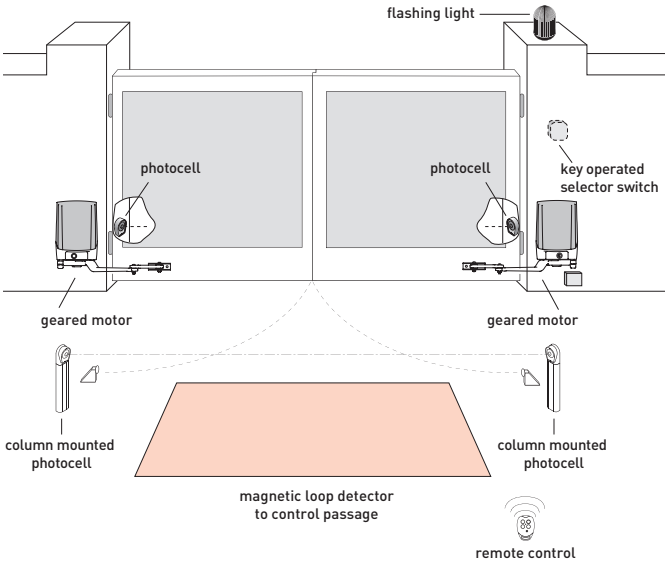
Description	Obbi 3BH	Obbi 3BFCH	Luxo 3B	Luxo 3BH	Luxo 4BH	Luxo 5B	Luxo 5BH-5VBH
Electromechanical actuator	irreversible for up to 3 m wide wing	irreversible for up to 3 m wide wing	irreversible and reversible for up to 3.5 m wide wing	irreversible for up to 3.5 m wide wing	irreversible for up to 4 m wide wing	irreversible and reversible for up to 5 m wide wing	irreversible for up to 5 m wide wing
Stroke control		magnetic limit switch	lever-operated limit switch (optional)	lever-operated limit switch (optional)	lever-operated limit switch (optional)	lever-operated limit switch (optional)	lever-operated limit switch (optional for 5BH)
Maximum capacity	250 kg x 1.5 m 150 kg x 3 m	250 kg x 1.5 m 150 kg x 3 m	350 kg x 2.5 m 250 kg x 3.5 m	300 kg x 2.5 m 200 kg x 3.5 m	350 kg x 2.5 m 200 kg x 4 m	500 kg x 3 m 250 kg x 5 m	500 kg x 3 m 250 kg x 5 m
Duty class	3 - medium duty	3 - medium duty	4 - heavy duty	4 - heavy duty	4 - heavy duty	4 - heavy duty	4 - heavy duty
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%
Power supply	24 V DC	24 V DC	230 V AC / 50 Hz	24 V DC	24 V DC	230 V AC / 50 Hz	24 V DC
Power input	3 A	3 A	1.1 A	4 A	4 A	1.1 A	12 A
Thrust	1500 N	1500 N	3000 N	2000 N	2000 N	3000 N	3000 N
Opening time	25 s/90°	25 s/90°	22 s/90°	22 s/90° (E2HLX) 20-30 s/90° (VIVA H)	22 s/90°	32 s/90°	20-45 s/90°
Max stroke	350 mm	350 mm	350 mm	350 mm	500 mm	500 mm	500 mm
Actuator maximum opening	110°	110°	110°	110°	120°	120°	120°
Release system for manual opening	key-operated	key-operated	key-operated	key-operated	key-operated	key-operated	key-operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP 54	IP 54	IP 24D	IP 24D	IP 24D	IP 24D	IP 24D
Product dimensions (mm)	110x200x995	110x200x1000	100x120x890	100x120x890	100x120x1040	100x120x1040	100x120x1040
Control panel	E2HOB VIVA H	E2HOB VIVA H	E2 LOGIC M	E2HLX VIVA H	E2HLX VIVA H	E2 LOGIC M	VIVA H

Ditec Facil, Ditec Arc

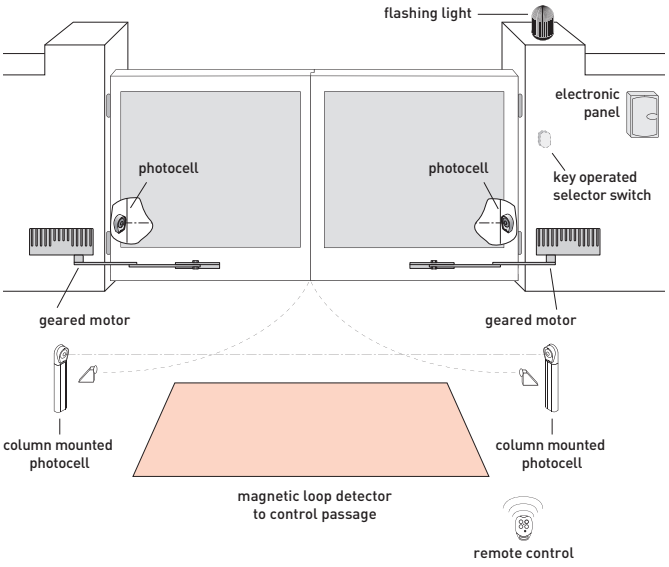
Example installations and technical specifications

Example installations

Facil



Arc



Technical specifications

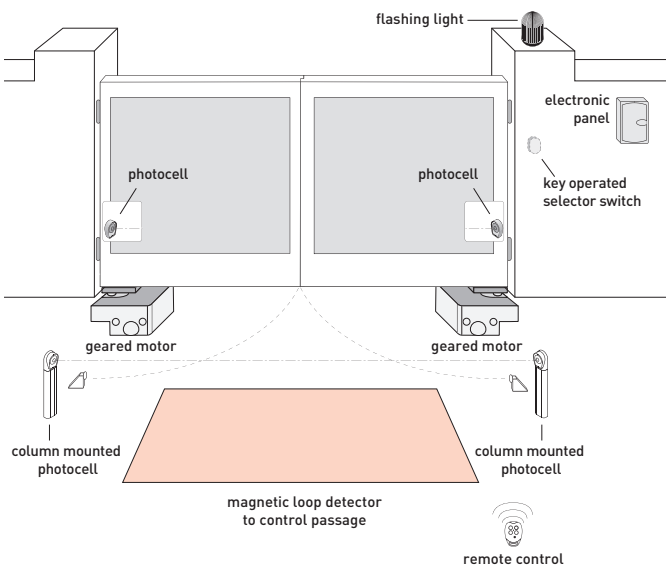
Description	Facil 3H	Facil 3EH	Arc BH	Arc 1BH
Electromechanical actuator	irreversible for up to 2.3 m wide wing	irreversible for up to 2.3 m wide wing	irreversible for up to 2.5 m wide wing	irreversible for up to 5 m wide wing
Stroke control	rotary limit switch (optional)	rotary limit switch (optional)	rotary limit switch (optional)	rotary limit switch (optional)
Maximum capacity	200 kg x 2.3 m 300 kg x 1 m	200 kg x 2.3 m 300 kg x 1 m	200 kg x 2 m 150 kg x 2.5 m	500 kg x 3 m 250 kg x 5 m
Duty class	3 - heavy duty	3 - heavy duty	4 - heavy duty	4 - heavy duty
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%
Power supply	24 V DC	24 V DC	24 V DC	24 V DC
Power input	6 A	6 A	3 A	12 A
Torque	200 Nm	200 Nm	150 Nm	300 Nm
Opening time	12÷32 s/90°	12÷32 s/90°	15÷18 s/90°	15÷30 s/90°
Actuator maximum opening	110°	110°	130°	130°
Release system for manual opening	key operated	key operated	key operated	key operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP 54	IP 54	IP 54	IP 54
Product dimensions (mm)	188x285x332	188x285x332	374x130x150	374x130x150
Control panel	E2HFC (with FACIL3EH) VIVAH	E2HFC (built-in)	E2HAR VIVA H	VIVA H

Ditec Cubic 6

Example installation and technical specifications

Example installation

Cubic 6





Technical specifications

Description	Cubic 6	Cubic 6H	Cubic 6V	Cubic 6HV
Electromechanical actuator	irreversible for up to 3.5 m wide wing	irreversible for up to 3.5 m wide wing	irreversible for up to 1.5 m wide wing	irreversible for up to 1.5 mwide wing
Stroke control	magnetic limit switch (optional)	magnetic limit switch (optional)	magnetic limit switch (optional)	magnetic limit switch (optional)
Maximum capacity	600 kg x 2 m 250 kg x 3.5 m	600 kg x 2 m 250 kg x 3.5 m	200 kg x 1.5 m	200 kg x 1.5 m
Duty class	3 - medium duty	4 - heavy duty	3 - medium duty	4 - heavy duty
Intermittent operation	S2 = 15 min S3 = 25%	S2 = 30 min S3 = 50%	S2 = 15 min S3 = 25%	S2 = 30 min S3 = 50%
Power supply	230 V AC / 50 Hz	24 V DC	230 V AC / 50 Hz	24 V DC
Power input	1.5 A	12 A	1.5 A	12 A
Torque	340 Nm	340 Nm	220 Nm	220 Nm
Opening time	18 s/90°	12÷25 s/90°	9 s/90°	6÷13 s/90°
Actuator maximum opening	110° or 180°	110° or 180°	110° or 180°	110° or 180°
Release system for manual opening	key operated	key operated	key operated	key operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP 67	IP 67	IP 67	IP 67
Control panel	E2 LOGICM	VIVA H	E2 LOGIC M	VIVA H

System functions

	Obbi 3BH - 3BFCH	Luxo 3BH - 4BH	Luxo 3B - 5B Cubic 6 - 6V	Luxo 3B - 5B Cubic 6 - 6V	Obbi 3BH - 3BFCH Luxo 3BH - 4BH Luxo 5BH - 5VBH Facil 3H Arc BH - 1BH Cubic 6H - 6HV	Facil 3H - 3EH Arc BH
Description	E2HOB	E2HLX	E2	LOGIC M	VIVA H	E2HFC - E2HAR
Control panel	for 1 or 2 motors 24 V DC with built-in radio	for 1 or 2 motors 24 V DC with built-in radio	for 1 or 2 motors 230 V AC with built-in radio	for 1 or 2 230 V AC motors	for 1 or 2 24 V DC motors	for 1 or 2 motors 24 V DC with built-in radio
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50 Hz	230 V AC / 50 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Batteries	■ (optional)	■ (optional)			■ (optional)	■ (optional)
Energy saving	reduced consumption when in use	reduced consumption when in use	reduced consumption when in stand-by		reduced consumption when in use	reduced consumption when in use
Number of motors	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2
Motor power supply	24 V DC / 2 x 4.5 A	24 V DC / 2 x 4.5 A	230 V AC / 1 x 5 A 230 V AC / 2 x 2.5 A	230 V AC / 1 x 5 A 230 V AC / 2 x 2.5 A	24 V DC / 2 x 12 A	24 V DC / 2 x 6 A (Facil) 24 V DC / 2 x 4.5 A (Arc)
Accessories power supply	24 V DC / 0.5 A	24 V DC / 0.5 A	24 V DC / 0.5 A	24 V DC / 0.5 A	24 V DC / 0.5 A	24 V DC / 0.5 A
Electro-mechanical lock	24 V DC / 1.2 A	24 V DC / 1.2 A	12 V DC / 15 W	24 V DC / 1.2 A	24 V DC / 1.2 A	24 V DC / 1.2 A
Flashing light	24 V	24 V	230 V	230 V and 24 V	24 V	24 V
Gate open warning light	analogue	analogue	from limit switch and analogue	from limit switch and analogue	analogue	analogue
Courtesy light			■ (1 motor only)	■ (1 motor only)	24 V	24 V
Limit switch provision	■	■	■	■	■	■
Encoder (to control speed and deceleration)	virtual encoder	virtual encoder			virtual encoder	virtual encoder
Force setting	display	display	electronic	transformer	automatic	display
ODS - Obstruction Detection System	■	■	■	■	■	■
Speed setting	display	display			■	display
Braking/slowing down	display	display			■	display
Time setting	display	display	■	■	■	display
Open control	■	■	■ (with dip-switch)	■	■	■
Partial opening control	■	■	■ (with radio only)	■	■	■
Close control	■	■	■	■	■	■
Temporised automatic closing	■	■	■	■	■	■
Inching control	■	■	■	■	■	■
Hold-to-run control	■	■	■	■	■	■
Emergency stop	■	■	■	■	■	■
Emergency reverse	■	■	■	■	■	■
Safety Test	■	■		■		■
NIO - Antifreeze System	■	■		■	■	■
Soft start	■	■			■	■
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP 55	IP 55	IP 55	IP 55	IP 55	
Product dimensions (mm)	187x261x105	187x261x105	187x261x105	187x261x105	238x357x120	

ERGONOMIC

With Ditec Alta, the sliding gates get a facelift.
The automatic systems to open and close gates make for faster access and not only offer an effective contribution to making the home safer and more secure, but also add value to the property.
An automatic gate fitted with a modern and certified automation is an excellent trump card in any context, whether private, commercial or industrial.



Aluminium technical column

Integrates automation for sliding gates

Ditec Alta was devised as a product featuring innovative solutions for both the user and the fitter

Indeed, it accommodates all the needs related to the weight and size of the gate.
Ditec Alta is also available in a wide range of colours, so customers can choose the shade which best suits their needs and styling preferences.
At the same time, thanks to the ergonomic way in which its internal components are positioned, it makes for very simple installation. In fact, the work is no longer prevalently at ground level, but instead at a "higher" position and thus requires less effort from the fitter or maintenance worker.

Three models for every need

Ditec Alta is available in different models, to meet specific operating and usage needs, which may vary in terms of space and power rating, yet always guaranteeing a sturdy and powerful product.
The range perfectly covers all application needs and is the ideal solution for intensive use in residential, commercial and industrial settings.

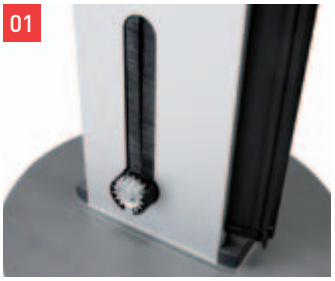
Plate adjustment

The 200 mm **01** height adjustment of the plate enables the automation to be adapted to the gate, thus permitting installation also in the case of cantilever gates, very common in Nordic countries in view of the large amount of snow.

Portal column

Optional additional column **02** to create an entire portal (only for free-standing gates). The column constitutes at the same time the supporting pillar of the gate. The empty pillar can also act as a counter-pillar, for assembling intercoms and video intercoms, mailboxes, etc.

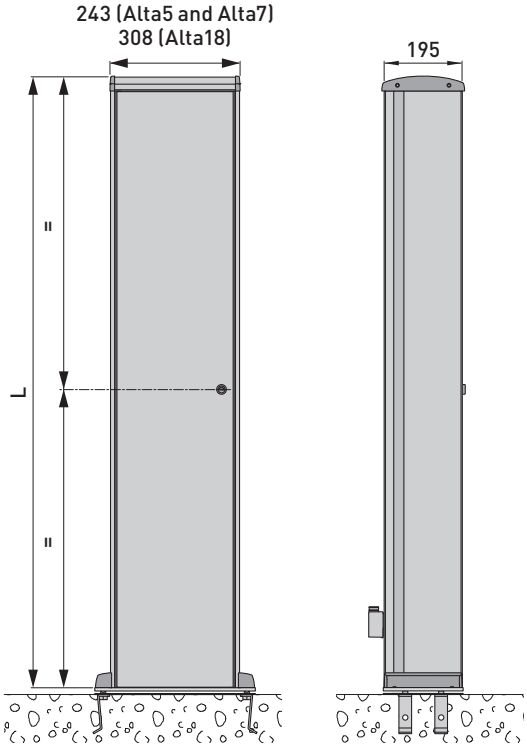
01



02

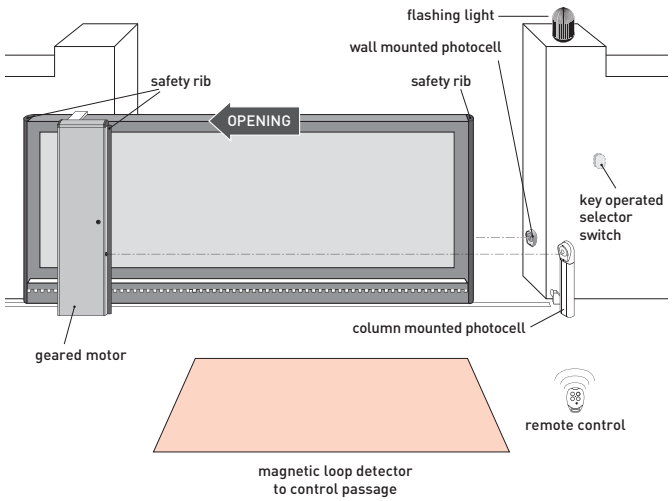


Overall dimensions



L = 1200, 1600, 1800 and 2300 mm

Example installation



Distinctive features and main functions

- Ditec Alta consists of a free-standing galvanised steel base plate on which the motor unit is fixed, housed in an aluminium column with a pleasant and exclusive design. The motor unit can therefore be extracted very simply by hand.
- Ditec Alta was designed to house inside it the geared motor, the IP55 electronic panel, LAB4 photocells, devices for integrable safety ribs and supplementary elements 03; the ample internal spaces facilitate the work of those who have to gain access to the automation for assembly and maintenance operations. The position of the electronic panel at the top of the column also helps to simplify standard assembly and maintenance.
  All corrections, adjustments and wiring can therefore be done at a comfortable working height.
- Wiring and accessories integrated and protected from atmospheric agents and vandalism.
- The DIN bar is supplied as standard for possible fixing of electrical equipment.
- The complete base plate of the motor unit is free-standing so that it can be sold also without the extruded aluminium part.
- Standard heights available are: 1200, 1600, 1800 and 2300 mm, but automation can be ordered with intermediate dimensions at the price of the larger dimension.
- Easy manual release.
- Assembly kit version available.
- The column is supplied as standard painted marble grey or anodised, but is also available in the colour chosen by the customer among Ditec colours: the wide RAL colour range offered maximises customisation and adaptability to local circumstances and enables integration into any entrance architecture.





Technical specifications

Description	Alta 5EH	Alta 7EH	Alta 18E	Alta 18VE
Electromechanical actuator	for sliding gates up to 450 kg	for sliding gates up to 600 kg	for sliding gates up to 1400 kg	for sliding gates up to 1400 kg
Stroke control	encoder	encoder	screw limit switch	magnetic limit switch
Maximum capacity	450 kg	600 kg	1400 kg	1400 kg
Duty class	4 - heavy duty	4 - heavy duty	4 - heavy duty	4 - heavy duty
Intermittent operation	S2=30 min S3=50%	S2=30 min S3=50%	S2=30 min S3=50%	S2=30 min S3=50%
Power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Input	1.2 A	1.5 A	3 A	3 A
Thrust	400 N	600 N	1200 N	1200 N
Opening speed	0.09 - 0.21 m/s	0.12 - 0.20 m/s	0.2 m/s	0.2 m/s
Closing speed	0.09 - 0.21 m/s	0.12 - 0.20 m/s	0.2 m/s	0.2 m/s
Max stroke	20 m	20 m	20 m	20 m
Release system for manual opening	key operated	key operated	key operated	key operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP X4D	IP X4D	IP X4D	IP X4D
Product dimensions (mm)	315x225xL	315x225xL	380x225xL	380x225xL
Control panel	EL31R (built-in)	EL31R (built-in)	LOGICM (built-in)	LOGICM (built-in)

Main system functions

	Alta 5EH - 7EH	Alta 18E - 18VE
Description	EL31R	LOGICM
Control panel	for 1 24 V DC motor with built-in radio	for 1 230 V AC motor
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50 Hz
Batteries	■ (optional)	
Energy saving	reduced consumption when in use	
Number of motors	1	1
Motor power supply	24 V DC / 14 A	230 V AC / 1 x 5 A 230 V AC / 2 x 2.5 A
Accessories power supply	24 V DC / 0.3 A	24 V DC / 0.5 A
Flashing light	24 V	230 V and 24 V
Gate open warning light	from limit switch and analogue	from limit switch and analogue
Courtesy light	■	■
Limit switch provision	■	■
Encoder (to control speed and deceleration)	■	
Force setting	automatic	transformer
ODS - Obstruction Detection System	■	■
Speed setting	■	
Braking/slowing down	■	
Time setting		■
Open control	■ (with dip-switch)	■
Partial opening control	■	■
Close control	■	■
Temporised automatic closing	■	■
Inching control	■	■
Hold-to-run control	■	■
Emergency stop	■	■
Emergency reverse	■	■
Safety Test	■	■
NIO - Antifreeze system	■	■
Soft start	■	
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)


SAF
REL
Ditec

Smartly designed, yet practical and safe, to ensure a long life

E AND IABLE

Soft edges, rounded corners, high performance and suitability for any type of installation environment

Ditec Qik is the ideal solution for a totally safe access control of medium to high transit environments such as hotels, banks, shopping malls, as well as blocks of flats, companies and camp sites, which always require access control of car parking areas, to ensure their use to authorised people only.

Ditec Qik barriers are available in grey and red.



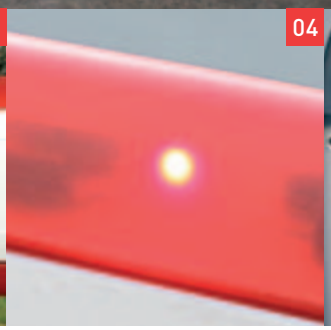


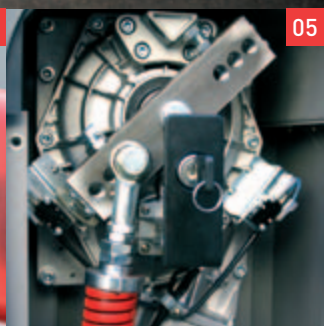
Truly innovative shapes and uncompromising safety











01 Two different types of cabinet to cater to various needs: one, slim-line and stylish for entrances of up to 5.8 metres, and one larger size for entrances of up to 7.6 metres, meeting the requirement for greater sturdiness and conveying stronger-impact aesthetics. The electronic panel is positioned on the top part of the barrier at a height that permits easier access to components and therefore allows conveniently carrying out setting and maintenance jobs.
The top structure has a provision for an aerial to be installed to avoid any vandal attacks.
The pickled, metallic colour painted sheet metal does not degrade with time, despite adverse weather conditions, and gives Ditec Qik a clean look.

02 The key operated lever release system can be promptly accessed from the inspection side; fitted with a cover plate, the system can safely handle all emergencies in case of power failure.

03 The aluminium arm, round or elliptical, has been designed to avoid any shearing problems, thanks to a rubber guard located in the top and bottom section and to the rounded design of the rotation pin.
The round arm can be up to 7.6 metres long.
The elliptical shape ensures better wind resistance, thus avoiding any swinging in the 5.8 metre version.
The arm is fitted with a rubber end plug and a provision for accessories (pivot pins, red reflective strips, fixed and moving mountings, vandal proof electrically operated lock, skirting and battery kit).

04 To ensure more visibility in the more demanding applications, the direct current version is fitted with an arm lighting kit: the LED goes off when the arm is up; it flashes when the arm is moving and is continuously lit when the arm is down, in order to enhance its outline.

05 The balancing system uses a single compression spring. Five (differently coloured) springs are available. These springs, when correctly positioned and adjusted, allow the arm to be correctly balanced according to its dimension.
The system can be installed either on the right or on the left hand side by simply changing its position.
Two limit switches fitted to the alternating current version and one encoder to the direct current version allow further adjustments to the arm to be made in order to satisfy all possible requirements. Ditec Qik is also fitted with two adjustable mechanical stops.

Distinctive features and main functions

- CE marking
- Direct current motor with high performance in terms of speed and number of operations; alternating current motor suitable for all applications requiring lower performance and shorter life
- Gear motor mounted at right angle with the barrier exit in order to avoid the use of a lever system and to leave more space available for the control unit
- Simple to install, the system ensures a very easy access to the control unit
- The 24 V version with encoder and limit switch allows slowdowns and speed control. Possibility of using batteries and operating intermittency
- In the Ditec Qik 80, the MD2 display module can be used for the diagnostics and enhanced control of panel adjustments, updatable by means of DMCS software.

Clean look and attention to details for heavy duty applications

All rivets are made of stainless steel and have no welding to ensure long life and maintain their features unaltered. The monobloc aluminium die-cast reduction unit ensures easy installation, longer life and easy cleaning.

Tested to over a million operating cycles

The low stress reduction unit ensures a very high number of operations. The test carried out on the unit has achieved with ease a staggeringly high number of operations, over 1,500,000.

Access system built with safety in mind

The Ditec Qik barriers, when matched to the LAN control systems, solve all access problems and are very easy to use. To allow employees and key customers to operate the barrier, a wide range of solutions are available: a remote control, a traditional key or keypad operated selector switch, a "LAN transponder" system or a "coin" system, which allows the barrier to be operated only once. This is a great solution for hotels, sport centres, shops and restaurants, visited by users who need temporary, quick and simple access.
Furthermore, the "magnetic loop" system is inherently very practical and simple to use.
The detector, when installed on the pavement, allows the exit barrier to be automatically operated when a vehicle goes over it, thus ensuring a regular flow of vehicles and avoiding unwelcome queues.

Specific accessories

- Provision for photocell installation on fixed mounting
- Red reflective strips
- Fixed mounting
- Moving mounting
- Vandal proof electrically operated lock
- Aluminium skirting
- Arm pivot pin kit at 90°
- Batteries / Light kit
- Display module for diagnostics and enhanced control

Technical specifications

Description	Qik 4E	Qik 7EH	Qik 80EH
Barriers	up to 3.5 m long	up to 5.8 m long	up to 7.6 m long
Travel control system	lever-type limit switch	encoder	encoder + limit switch
Arm length up to	3.7 m	6 m	7.95 m
Arm	elliptic	elliptic	round
Duty class	4 - heavy	5 - very heavy	4 - heavy
Intermittent operation	S2 = 15 min S3 = 30%	S2 = 60 min S3 = 60%	S2 = 50 min S3 = 50%
Power supply	230 V~ / 50 Hz	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz
Input	1.2 A	1 A	1.2 A
Torque	90 Nm	70 Nm	200 Nm
Opening time	4 s/90°	2÷6 s/90°	6÷12 s/90°
Closing time	4 s/90°	2÷6 s/90°	6÷12 s/90°
Release system for manual opening	Key-operated	Key-operated	Key-operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-10°C / +50°C with battery)	-20°C / +55°C (-35°C / +55°C with NIO enabled, -10°C / +50°C with battery)
Protection rating	IP 24D	IP 24D	IP 24D
Product dimensions (mm)	300x320x1050	300x320x1050	405x525x1180
Control panel	E1A (built-in)	EL31R (built-in)	EL34 (built-in)

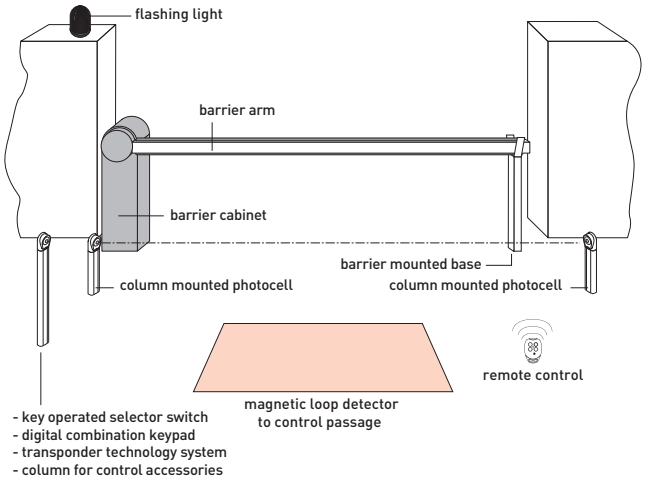
Main system functions

	Qik 4E	Qik 7EH	Qik 80EH
Description	E1A	EL31R	EL34
Control panel	for 1 230 V~ motor with built-in radio	for 1 24 V= motor with built-in radio	for 1 24 V= motor with built-in radio decoder
Mains power supply	230 V~ / 50 Hz	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz
Batteries		■ (optional)	■ (optional)
Energy saving		reduced consumption when in use	reduced consumption when in use
Number of motors	1	1	1
Motor power supply	230 V~ / 5 A	24 V= / 7 A	24 V= / 16 A
Accessories power supply	24 V= / 0.5 A	24 V= / 0.3 A	24 V= / 0.5 A
Electrically operated lock		24 V= / 0.1 A	24 V= / 1 A
Flashing light	230 V	24 V	24 V
Automation open warning light	from limit switch	analogue	analogue
Courtesy light	■	■	■
Limit switch provision	■	■	■
Encoder to control speed and deceleration		■	■
Force setting	transformer	automatic	automatic
ODS - Obstruction detection system	■	■	■
Speed adjustment		■	■
Braking / Slowdown control		■	■
Operation time adjustment	■		
Open control	■ (with dip-switch)	■ (with dip-switch)	■
Partly open control	■ (with radio only)		
Close control	■	■	■
Automatic timed close control	■	■	■
Inching control	■	■	■ (with dip-switch)
Hold-to-run control	■	■	■
Stop safety device	■	■	■
Reverse operation safety device	■	■	■
Safety Test Facility	■	■	
Soft Start		■	
NIO - Antifreeze system	■	■	■
Instant closure after transit	■	■	■
Protection rating	IP 55	IP 55	IP 55

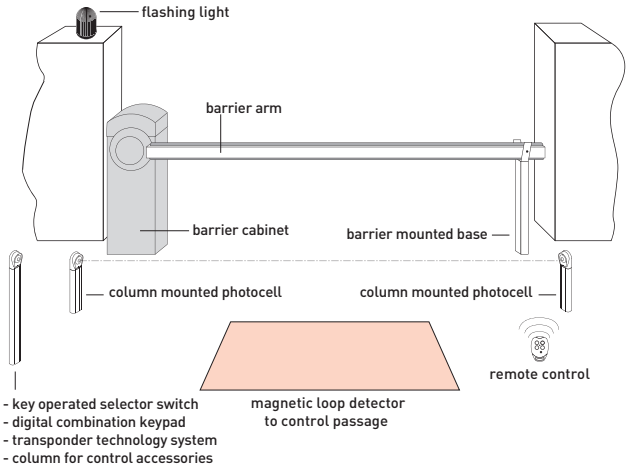
Example installations and overall dimensions

Example installations

Qik 4E - Qik 7EH

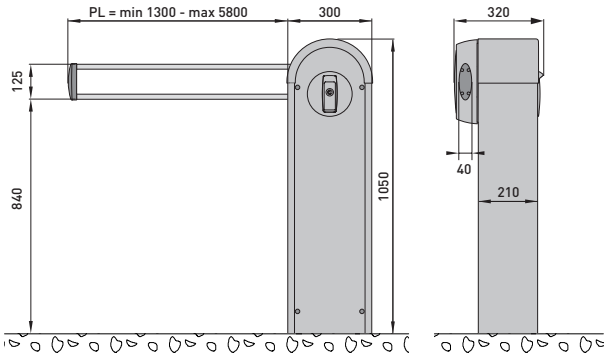


Qik 80EH

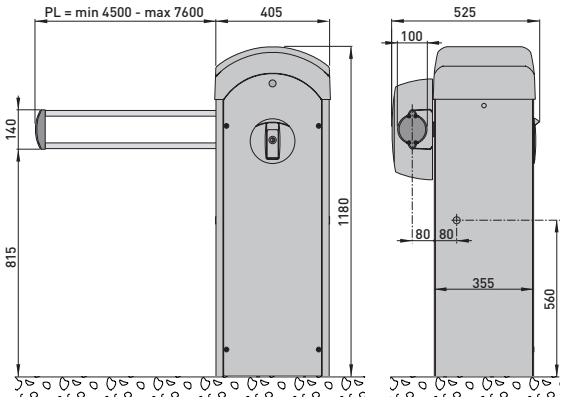


Overall dimensions

Qik 4E - Qik 7EH



Qik 80EH





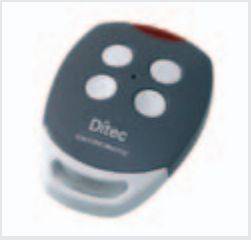


The accessories that make all the difference

The wide range of Ditec accessories allows the access systems to be used with various control and monitoring options



Gol 4
Remote controls
Simply press a button on the remote control and the Ditec drive system springs into action. Thanks to this accessory, foul weather will never be a problem again.




Caddies for
Gol 4 remote controls
These can be positioned on any surface or on your car sun visor so you'll always have your remote control within easy reach.




Gol 4M
keyboard transmitter
Four channel coded control. Allows electrically operated entrances to be opened with radio signals by entering a code.




Xel 2 and Lab 3
IR photocells
For a maximum level of safety in automation.
Can be wall or vertical mounted.
Modulated infrared beam.




Xel 5 key operated
selector switch
Fitted with a tamper proof or vandal resistant device.
Can be wall or column mounted.




Lan 4
Digital keypad systems
With digital, anti-vandalism combination and secret code up to 8 digits.




Control and security are in your hands

Lamp
24 V and 230 V flashing light with flashing operation controlled from the control panel.





Lan 7 control device with proximity control
Wireless identification system, featuring TRANSPONDER technology.





Sof safety edges
These are fitted to all entrance control systems to ensure maximum safety during opening and closing operations.

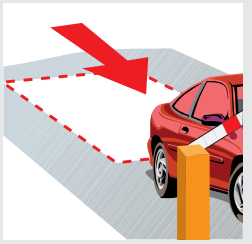
*Not available for Ditec Qik





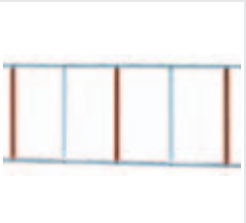
Magnetic loop detector
Starts the barrier automatic opening operation when a car goes over the sensor fitted to the pavement and it detects the car going past it and stops the bar from closing until the car has gone through.

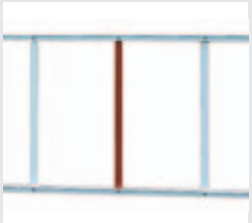




Aluminium skirting
L = 2 m, painted red/white.

*Available for Ditec Qik only





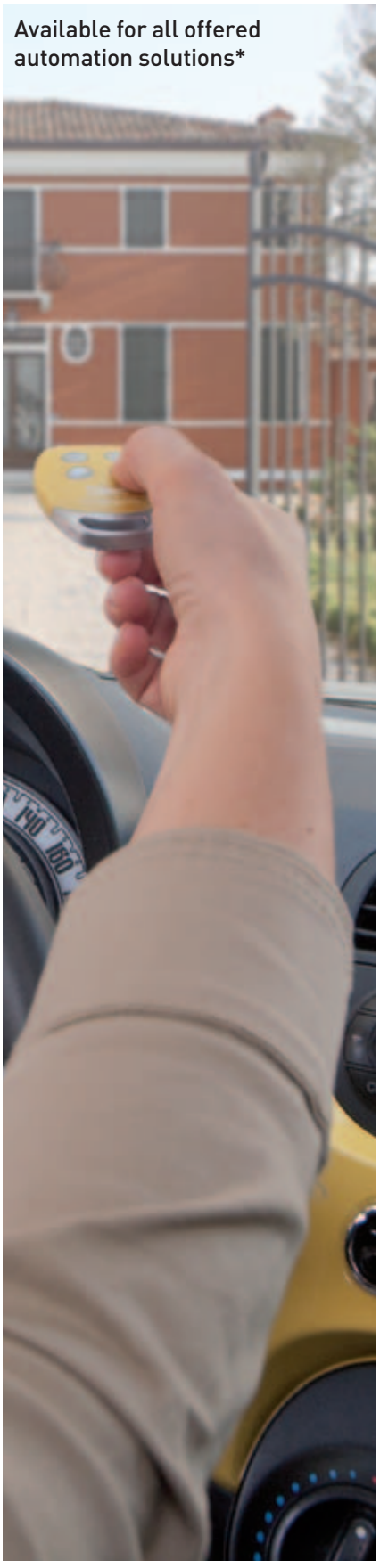
Fixed and moving mounting
Fixed mounting to be installed on the ground, moving mounting to attach to the arm.

*Available for Ditec Qik only





Available for all offered automation solutions*



When building the system, only use Ditec accessories and safety devices.
Every Ditec automation features CE marking and is designed and built in compliance with the safety requirements of the Machinery Directive (2006/42/EC), of the Electromagnetic Compatibility Directive (2004/108/EC) and of the Low Voltage Directive (2006/95/EC) and of other Directives, laws, specific standards for special products and situations.
The Company reserves the right to make changes which may improve the products.
For this reason, the technical details featured in this catalogue are not binding.
The pictures shown in this leaflet were taken with the consent of those concerned or in public locations.
Further information can be found in the Technical Manuals available at the website: **www.ditecentrematic.com**

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ISO 9001
Cert. n. 0957

Entrematic
Via Mons. Banfi, 3 • 21042 Caronno P.lla (VA) • Italy
Tel +39 02 963911 • Fax: +39 02 9650314
ditec@entrematic.com
www.ditecentrematic.com • www.entrematic.com

Ditec is present in: Belgium, France, Germany, Portugal, Spain, Sweden, Switzerland, Turkey, Latin America, USA, Canada and China.
For addresses and contacts visit our website www.ditecentrematic.com

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