



Ditec automation for gates and automatic barriers

EN

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

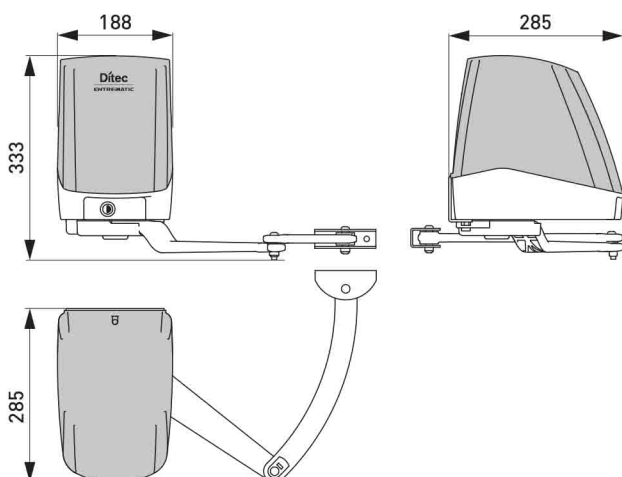
The shape of the articulated arm and its connection to the casing **02** have been designed to avoid any shearing problems.

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.



Dimensions



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



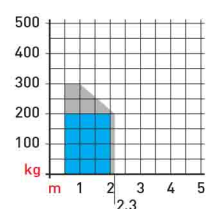
Product range

FACIL3H	up to 2.3 m
FACIL3EH	up to 2.3 m, built-in control panel and radio receiver

Operation diagrams

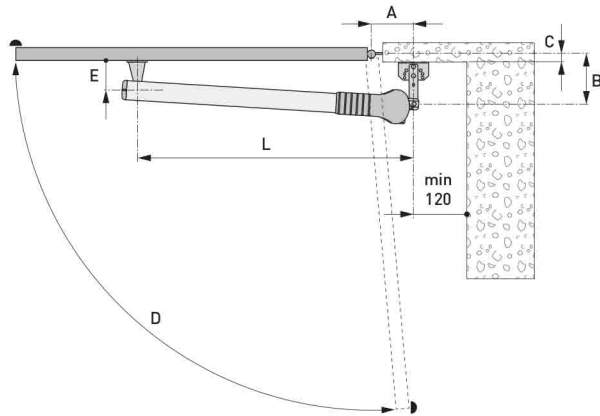
- Recommended use
- Operation limit

FACIL3H - FACIL3EH



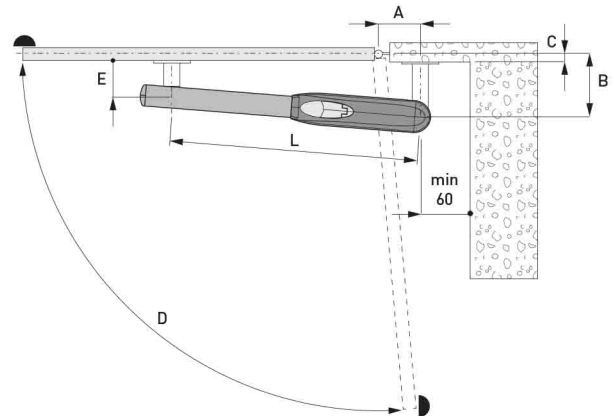
Charts

Ditec Obbi



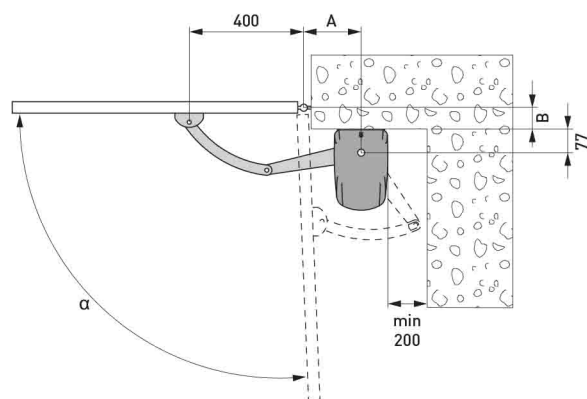
A	B	C max (90°)	D max	E	L
150	150	85	100°	75	910
120	160	95	100°	75	910
120	180	115	100°	75	910
160	120	55	110°	75	910

Ditec Luxo



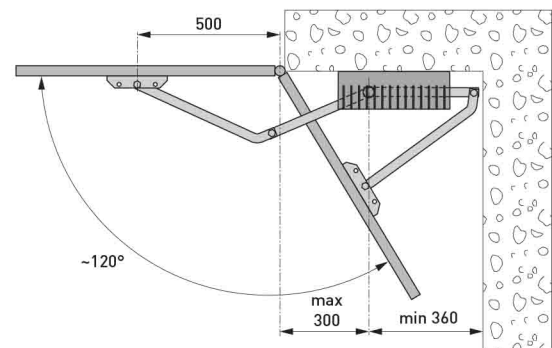
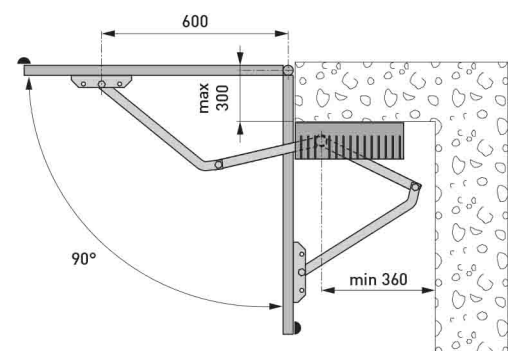
(*) Use measurements between minimum and maximum								
	A*	B*	A	B	C	D	E	L
Luxo 3B Luxo 3BH	min 105 max 130	min 120 max 170	130	170	100	90°	90	760
			105	140	70	90°		
			130	130	60	95°		
			170	130	50	110°		
Luxo 4BH Luxo 5B Luxo 5BH Luxo 5VBH	min 130 max 200	min 170 max 290	170	170	100	90°	120	910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

Ditec Facil

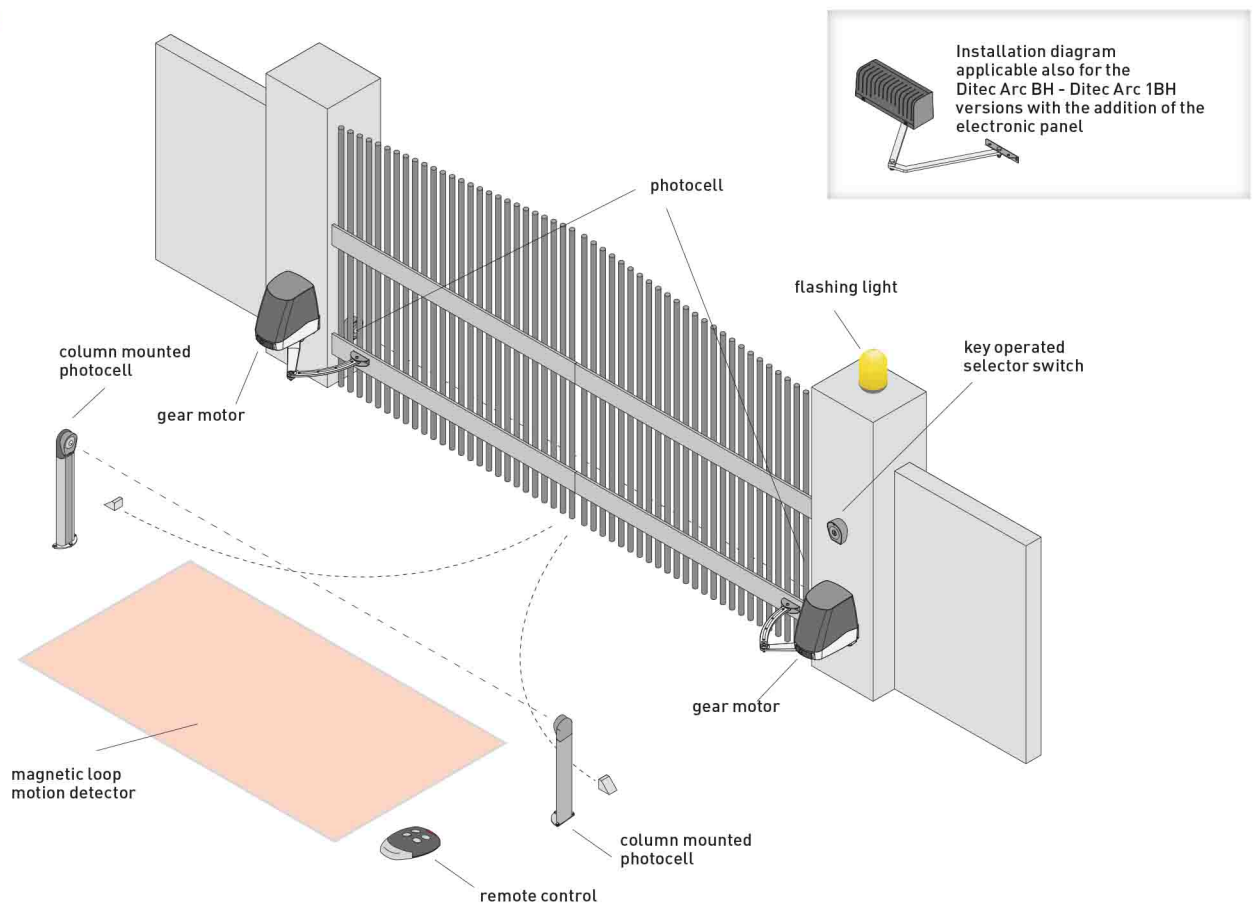


		A (mm)								
B (mm)	0	90°	90°	95°	95°	100°	100°	105°	105°	110°
	50	90°	90°	95°	95°	95°	95°	95°	95°	95°
	100	90°	90°	90°	90°	90°	90°	90°	90°	/
	150	90°	90°	90°	90°	90°	90°	90°	/	/
	200	90°	90°	90°	90°	90°	/	/	/	/

Ditec Arc



Ditec Facil



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

System functions

Description	Obbi 3BH	Luxo 3BH - 4BH	Luxo 3B - 5B Cubic 6	Luxo 3B - 5B Cubic 6	Obbi 3BH Luxo 3BH - 4BH Luxo 5BH - 5VBH Facil 3H Arc BH - 1BH Cubic 6H - 6HV	Facil 3H - 3EH Arc BH
Control panel	ref. E2H0B for 1 or 2 motors 24 V DC with built-in radio	ref. E2HLX for 1 or 2 motors 24 V DC with built-in radio	ref. E2 for 1 or 2 motors 230 V AC with built-in radio	ref. LOGIC M for 1 or 2 230 V AC motors	ref. VIVA H for 1 or 2 24 V DC motors	ref. E2HFC - E2HAR 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
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	



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 given are not binding.

Pictures 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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