



**Everything becomes
automatically more convenient!**

Discover the Ditec automation

EN

A complete range of products for any Ditec automation

Automation system for garage doors



Automation system for
sectional overhead doors

Ditec TOP

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Automation for
up-and-over doors

Ditec Box

PAGE 8

Automation for frames



Automation for
interior sliding doors

Ditec Olly C

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Automation for
frames

Ditec Olly E

PAGE 19



type of service:

Automation system for industrial doors



Automation for sectional doors

Ditec Dod

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Automation for folding doors

Ditec Dor

PAGE 14

Accessories



Accessories

Accessories

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ALWAYS ON TOP

TOP performance

Ditec TOP is the new, faster, quieter and more powerful belt drive unit, all in an elegant, modern design.

The TOP range includes two powerful motors (600 N and 1000 N) which allow doors of up to 210 kg in weight and over 17 m² in surface area to be controlled at speeds up to 17% higher than previous products.



Ditec TOP

Discover all the benefits you won't be able to do without

Low consumption

The direct-current 24 V DC motor reduces electricity consumption and the stand-by function minimises energy wastage when the door is not in use (the courtesy light also switches off automatically).

Silent operation

Ditec TOP is a latest-generation belt operating unit made with top-quality materials. The powerful 24 V DC 600 N or 1000 N motor, the soft start and stop, and the ball bearings installed on the transmission make it a perfect example of silent operation.

Safety first

Ditec TOP incorporates a gear block which prevents unauthorised opening of the door from the outside, and the Gol 4 remote control, which uses a rolling code, is impossible to clone.

In environments where there are children and animals, Ditec TOP is the ideal solution, thanks to its courtesy light, automatic obstacle recognition (with reverse motion), adjustable soft start

and stop, option to install a safety edge, emergency release system that functions from the inside and the outside (optionals), and much more.

Assisted installation and scheduled maintenance

Installation is even simpler and quicker; where there are no particular set-up requirements, the self-learning function guarantees that Ditec TOP is ready to go in just a few steps. Even in more complicated scenarios, the guided menu is there to help you.

During the self-learning process, Ditec TOP automatically records the power-usage profile, allowing the motor to self-regulate in case of increased friction and wear.

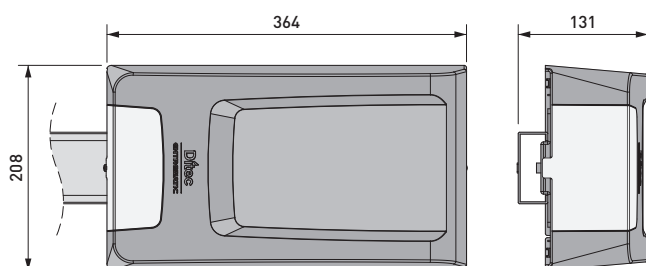
The control unit counts the number of opening/closing cycles and the courtesy light signals when the maintenance threshold programmed during configuration has been reached.

Additional benefits

Ditec TOP is the most convenient choice, designed for professional installations and in full compliance with the current standards.



Dimensions



Product range

Operator	Max. door dimensions	Max. door weight
TOP603H	9.5 m ²	116 kg
TOP903H	17.3 m ²	210 kg

Guide	Max guide length
TOP803T3	3 m (3 x 1 m)
TOP803T4	4 m (4 x 1 m)

Accessories, example of installation and technical characteristics

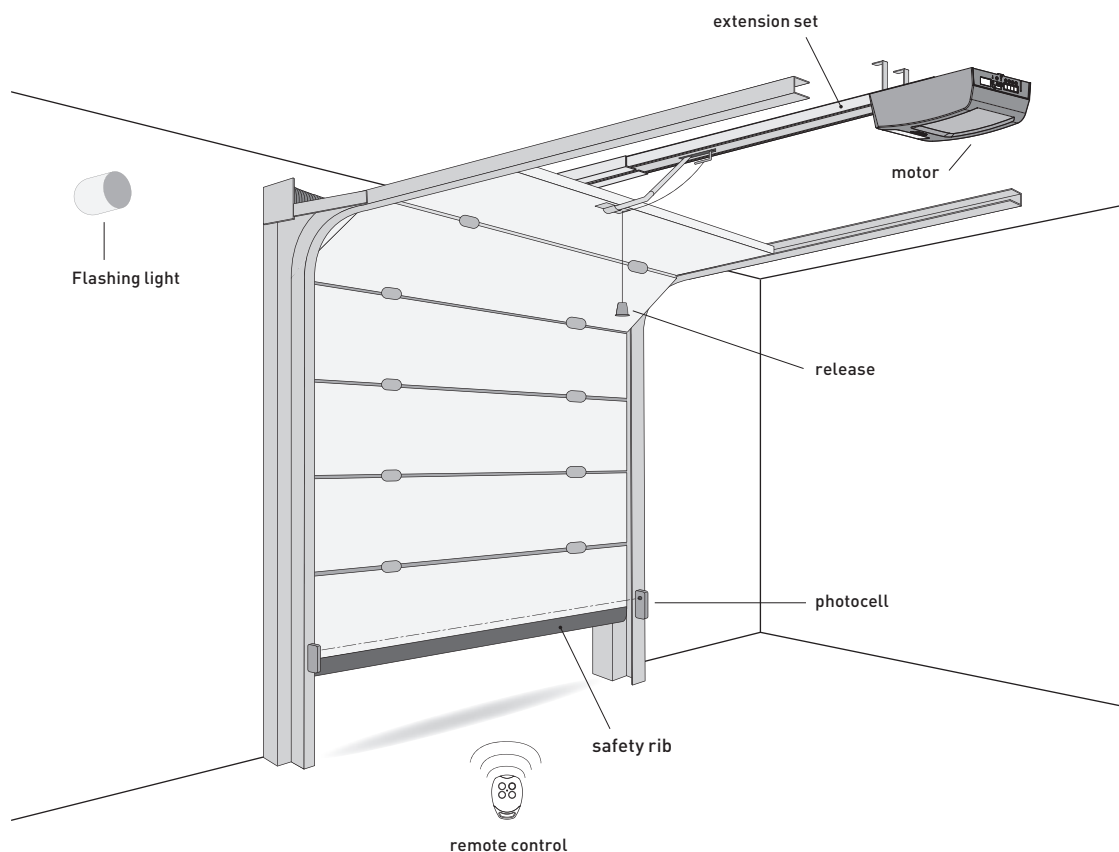
Specific accessories

- **TOP905CAB1:** cable (10 m) pre-wired with RJ11 connector for management of the stop function
- **TOP905CAB2:** cable (10 m) pre-wired with RJ11 connector for the photocell-operator connection
- **TOP905CAB3:** cable (13 m) for the photocell-photocell connection
- **TOP905CAB4:** cable (10 m) pre-wired with RJ11 connector for the management of an NO contact
- **TOP905AC:** auxiliary card for the connection of accessories (e.g. flashing light)
- **TOPSB:** adapter for up and over doors with counterweights
- **ASB1:** kit for external cord-operated release system with lock (L = 900 mm)



Example installation

(includes optional accessories)




Technical specifications of the operator

Operator	TOP603H	TOP903H
Actuator electromechanical	for sectional doors	for sectional doors
Transmission system	belt	belt
Stroke control	encoder	encoder
Maximum capacity	9.5 m ²	17.3 m ²
Duty class	3 - medium duty	3 - medium duty
Intermittent operation	S2 = 5 min S3 = 25%	S2 = 5 min S3 = 25%
Power supply	230 V AC / 50/60 Hz	230 V AC / 50/60 Hz
Motor power supply	24 V DC	24 V DC
Torque / Thrust	600 N	1000 N
Power input	140 W	170 W
Opening Speed	0.21 m/s	0.21 m/s
Closing speed	0.14 m/s	0.14 m/s
Operating temperature	-20°C / +50°C	-20°C / +50°C
Protection rating	IP 20	IP 20
Product dimensions (mm)	364x208x131	364x208x131
Noise	≤ 69 dB (A)	≤ 69 dB (A)
Radio frequency	433.92 MHz	433.92 MHz

Technical characteristics of the guides

Guide	TOP803T3	TOP803T4
Max. carriage stroke	2890 +/- 25 mm	3978 +/- 25 mm
Maximum height of door	2450 mm	3500 mm

System functions

Description	TOP603H	TOP903H
Control panel	built-in	built-in
 Energy saving	■	■
Integrated courtesy light and additional courtesy light (parallel connection)	■	■
Flashing light	230 V AC / 50-60 Hz *	230 V AC / 50-60 Hz *
Electro lock	■ *	■
ODS - Obstruction Detection System	■	■
Auto-learning procedure	■	■
Time setting	■	■
Open control	■	■
Partly open control (configurable)		■
Temporised automatic closing	■	■
Inching control	■	■
Emergency stop	■	■
Emergency reverse	■	■
Soft start/ Soft stop	■	■
Automatic power adjustment during movement	■	■
Cycles counter for maintenance scheduling	■	■
External digital display and controls	■	■
Safety test	■	■

* with TOP905AC auxiliary card

PRACTICAL

Intelligent opening

Just press a button on the remote control and the **Ditec Box** drive system immediately activates so that bad weather will no longer be a problem. So you never have to worry about the cold, rain or heavy loads to carry: you can stay in the comfort of your car.

In addition, use the same remote control to turn on the inside light, lighting up the garage before you enter.



Ditec Box

A robust, proven system that keeps on going
The ideal solution for up-and-over doors

Ditec Box is the perfect solution to automate your overhead garage door.

Ditec Box is sturdy, indefatigable and easy to install, and with either 1 or 2 gearmotors, it can move even very large counterweight up-and-over doors with standard panel or with non-protruding or folding panel.

Ditec Box is provided with a full range of control and safety accessories.

Reliable

The Ditec Box gearmotor is equipped with a motor protected by a thermal probe (Box 30-40). The reduction system and relative steel gears work with permanent lubrication and are inserted in sturdy aluminium diecastings.

Ditec Box is housed in an ABS cover and is provided with a courtesy light diffuser (Box 30-40), which lights up automatically for 180 seconds on receiving the open command.

Easy to release, in the event of power failure

The automation can always be released manually, in the event of power failure, by lock releasing the gear motor from the inside by means of a lever or from the outside by means of a personalized key. Optional metal-cord or rigid-boom systems are also available to be applied to the handle on the wing.

Installation without structural changes

The system has been designed to enable easy and quick mounting, avoiding any structural change of the door.

Comfort and security

Having your garage door automated is an unquestionable comfort, especially when weather conditions are bad, but it is also a security because it allows you to defend your privacy and all private areas.

Distinctive features

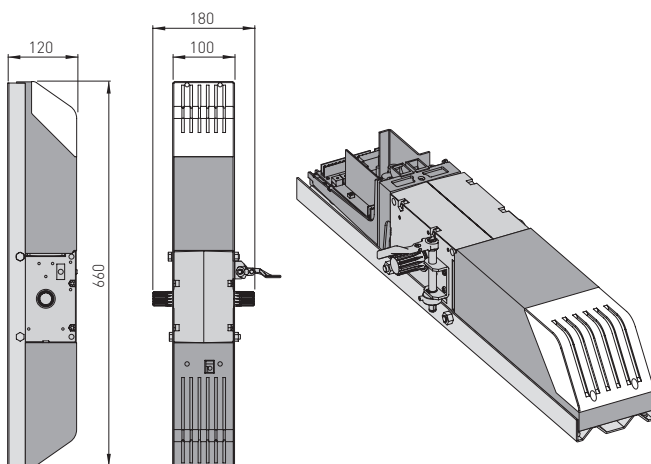
- External ABS cover
- Standard internal release system with direct control by lever and externally by key. Optional solutions with rod or cord
- Motor protected by an internal temperature probe
- Operation also at low temperatures

Accessori

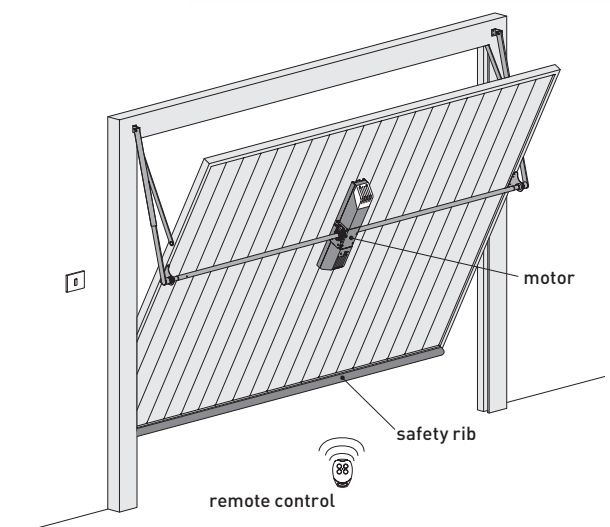
- Limit-switch unit
- Straight arms torque
- Curved arms torque
- Complete line of accessories for assembly



Dimensions



Installation type

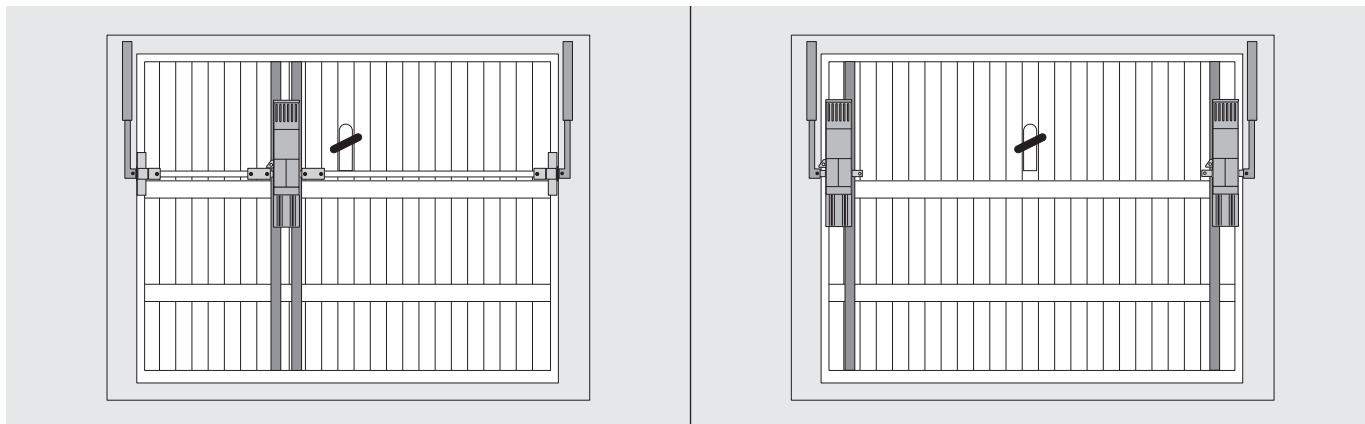


Product range

DOITBXL	the complete set for doors up to 7 m ²
BOX3H	second motor: together with the set, allows up to 12 m ²

Example of installation and technical characteristics


Example of installation



Technical specifications

Description	Box 3EH
Actuator electromechanical	for up and over doors with counterweight
Stroke control	encoder + rotary limit switch
Maximum capacity	7 m ² (1 motor) 12 m ² (2 parallel motors)
Duty class	3 - medium duty
Intermittent operation	S2 = 30 min S3 = 50%
Power supply	24 V DC
Power input	8 A
Torque	300 Nm
Opening time	15÷30 s
Release system for manual opening	lever / key
Operating temperature	-20°C / +55°C
Protection rating	IP 40
Product dimensions (mm)	660x100x120
Control panel	E1HBOX (built-in)

System functions

Description	Box 3EH
Control panel	ref. E1HBOX for 1 motor (or 2 parallel motors) 24 V DC with built-in radio
Mains power supply	230 V AC / 50-60 Hz
Batteries	■ (optional)
Energy saving	 reduced consumption when in use
Number of motors	1
Motor power supply	24 V DC / 8 A
Accessories power supply	24 V DC / 0.3 A
Flashing light	24 V DC
Automation open warning light	analogue
Courtesy light	■
Limit-switch provision	■
Encoder speed and deceleration control	■
Force setting	automatic
ODS - Obstruction Detection System	■
Speed setting	■
Braking/Slowing down	■
Open control	■ (with dip-switch)
Close control	■
Temporised automatic closing	■
Inching control	■
Hold-to-run control	■
Emergency stop	■
Emergency reverse	■
Operating temperature	-20°C / +55°C



VER SA TILE

Ditec Dod has been designed for a simple and fast installation and, above all, is suitable for any structure (including pre-existing) and operating need.

It automates large sectional overhead doors, folding doors, and sliding doors.

Ditec Dod

Modern and refined design

Simple, fast installation, adaptable to any structure

Ease of installation

Fitted onto the drive shaft or with pinion and chain transmission, it makes other movement devices superfluous, with consequent savings in installation time and cost of materials.

Adjustable rotary limit switch group. The opening cycles managed by the gear motor help preserve the entire mechanics of the sectional overhead door over time. The small and compact dimensions of the gear motor make it suitable even for applications where space is restricted.

The Ditec Dod automation is complete with safety accessories and controls in compliance with standards in force.

Distinctive features

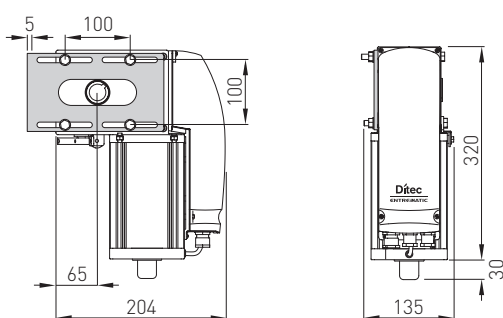
- Gear motor 230 V AC 3 A for intensive use
- Motor protected by thermal probe and equipped with incorporated electric brake and limit switch
- Axial mounting

Specific accessories

- Manual reopening device with chain or crank
- Chain
- Full pinion shaft



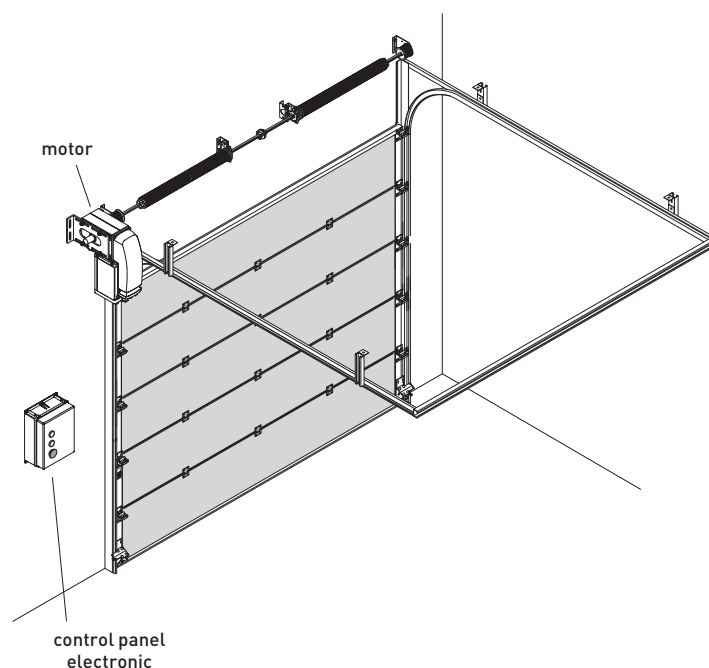
Dimensions



Product range

Description	Dod 12*	Dod 14*	Dod 15*
Torque	45 Nm	60 Nm	65 Nm
Motor	Single-phase	Single-phase	Three-phase
* Can be released by rope, manual operation of the wing			

Installation type



Technical specifications

Description	Dod 12	Dod 14	Dod 15
Electromechanical actuator	for sectional doors	for sectional doors	for sectional doors
Stroke control	rotary limit switch	rotary limit switch	rotary limit switch
Duty class	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%
Power supply	230 V AC / 50 Hz	230 V AC / 50 Hz	400 V AC / 50 Hz
Power input	3 A	3 A	1.2 A
Torque / Thrust	45 Nm	60 Nm	65 Nm
Drive shaft revolutions	32 RPM	22 RPM	32 RPM
Release system for manual opening	rope handle	rope handle	rope handle
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
Protection rating	IP 40	IP 40	IP 40
Product dimensions (mm)	135x264x350	135x264x350	135x264x350
Control panel	E1A	E1A	E1T

System functions

Description	Dod 12 - Dod 14	Dod 15
Control panel	ref. E1A for 1 motor 230 V AC with built-in radio	ref. E1T for 1 three-phase motor 400 V AC
Mains power supply	230 V AC / 50 Hz	400 V AC / 50 Hz
Number of motors	1	1
Motor power supply	230 V AC / 5 A	400 V AC / 6 A
Accessories power supply	24 V DC / 0.5 A	24 V DC / 0.5 A
Flashing light	230 V AC	24 V DC
Automation open warning light	from limit switch	from limit switch
Courtesy light	■	
Limit-switch provision	■	■
Force setting	transformer	
ODS - Obstruction Detection System	■	
Time setting	■	
Open control	■ (with dip-switch)	■ (with dip-switch)
Partial opening control	■ (only with radio)	■
Close control	■	■
Temporised automatic closing	■	■
Inching control	■	■
Hold-to-run control	■	■
Emergency stop	■	■
Emergency reverse	■	■
Safety test	■	■
NIO - Antifreeze system	■	
Operating temperature	-20°C / +55°C [-35°C / +55°C with NIO enabled]	-20°C / +55°C
Protection rating	IP 55	IP 55
Product dimensions (mm)	187x261x105	238x357x120

RELIABLE

Simple and reliable, **Ditec Dor** is an external actuating arm system for folding doors with articulated leaves. Positioned over the leaves, it ensures smooth opening and closing.

Ditec Dor

External actuating arm for folding doors with articulated leaves
Minimum space with maximum function

Simple and reliable

Ditec Dor actuates folding doors with two articulated leaves, up to 1.5 + 1.5 m long: mounted on one wing only, opening and closing is carried out by means of a simple telescopic arm.

It is fitted with a remote lock release system which always ensures manual operation, if needed, in case of power failure. Dor automation is fitted with a lock release system with cord.

Minimum size

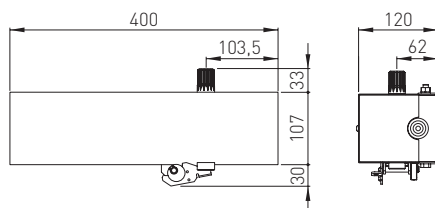
The very small size of Ditec Dor allows passage of means slightly narrower than that of the door and makes it possible to adapt them to any space requirement.

Specific accessories

- Straight arm
- Limit-switch unit



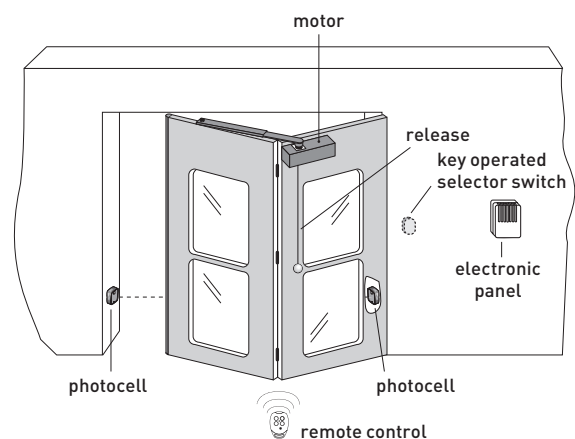
Dimensions



Product range

DOR1BH	wings up to 1.5 + 1.5 m
DOR1BHS	wings up to 1.5 + 1.5 m, watertight version IP55


Example installation



Technical specifications

Description	Dor 1BH	Dor 1BHS (watertight version)
Actuator electromechanical	for folding doors	for folding doors
Maximum capacity	500 kg (1.5 m + 1.5 m)	500 kg (1.5 m + 1.5 m)
Duty class	4 - heavy duty	4 - heavy duty
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%
Power supply	24 V DC	24 V DC
Power input	12 A	12 A
Torque / Thrust	300 Nm	300 Nm
Drive shaft revolutions	2.5 RPM	2.5 RPM
Release system for manual opening	rope	rope
Operating temperature	-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 44	IP 55
Product dimensions (mm)	400x120x107	400x120x107
Control panel	VIVA H	VIVA H

System functions

Description	Dor 1BH - Dor 1BHS
Control panel	ref. VIVA H for 1 or 2 motors 24 V DC
Mains power supply	230 V AC / 50-60 Hz
Batteries	■ (optional)
Energy saving 	reduced consumption when in use
Number of motors	1 or 2
Motor power supply	24 V DC / 2 x 12 A
Accessories power supply	24 V DC / 0.5 A
Electro lock	24 V DC / 1.2 A
Flashing light	24 V DC
Automation open warning light	analogue
Courtesy light	24 V DC
Limit-switch provision	■
Encoder speed and deceleration control	encoder virtual
Force setting	automatic
ODS - Obstruction Detection System	■
Speed setting	■
Braking/Slowing down	■
Time setting	■
Open control	■
Partial opening control	■
Close control	■
Temporised automatic closing	■
Inching control	■
Hold-to-run control	■
Emergency stop	■
Emergency reverse	■
NIO - Antifreeze system	■
Soft start	■
Operating temperature	-20°C / +55°C [-35°C / +55°C with NIO enabled]
Protection rating	IP 55
Product dimensions (mm)	238x357x120

The automation that makes life simpler.

Ditec Olly C contributes to the better planning of residential space and work environments, making them suitable for a larger number of people and allowing them to perfectly meet the requirements of greater comfort, security and accessibility also expressed by the more "vulnerable" categories.

FRI
EN
DLY



Ditec Olly C



Easy to install, quiet and versatile

More comfort in your environment, more freedom in your life!

Small in size, big in performance

Designed with space-saving in mind, the automation can be installed on commercially available runners for recessed panels.

For any requirement

The automation is available in three versions: with infra-red radar for automatic operation and/or with pushbutton panel and/or remote control.

Two practical mounting sets

The automation is supplied complete with two separate sets to make up 1- or 2-wing sliding doors. The sets consist of:

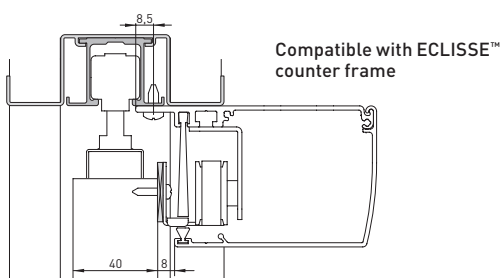
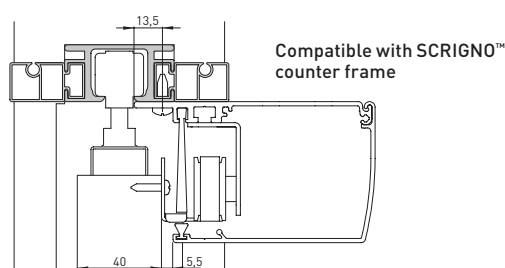
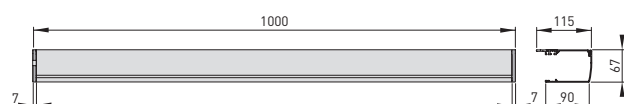
- an actuator complete with control panel
- transfer unit
- the transmission belt
- the belt attachments
- fastening brackets
- support profile and closing cover.

Distinctive features

- PLUG & PLAY
- PULL AND GO: opens and closes by gently pulling in the sliding direction
- LOW ENERGY: Opens and closes with reduced energy and speed



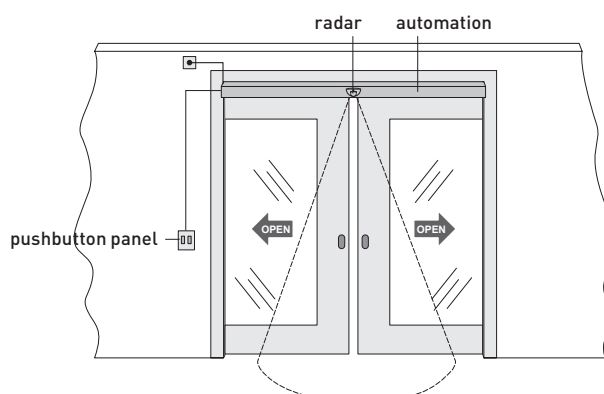
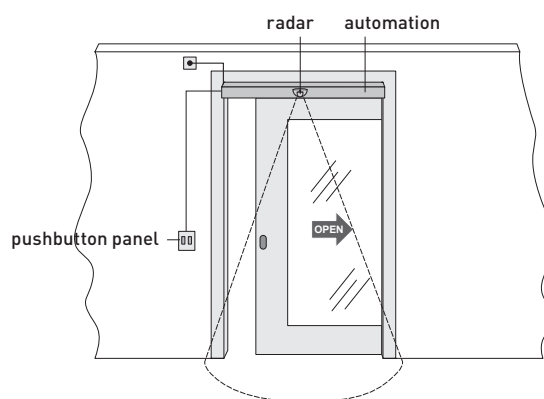
Dimensions



Product range

DOITOC10	for wings up to 1000 mm
DOITOC20	for wings up to 2000 mm

Installation examples



SIL ENT

With **Ditec Olly E** opens and closes the shutters without going outside or, in bad weather, without opening the windows. It can be used in a wide range of contexts (residential, commercial and industrial) to automate even existing window and door frames, both visible and concealed.

Ditec Olly E

Move your frames silently

Discover how to make your environment comfortable

Easy to use

Ditec Olly E is a compact, reliable automation designed to quickly automate internal and external window and door frames.

Convenience

Ditec Olly E features silent operation and can move wings up to 80 kg. The automation is controlled through a pushbutton panel or a remote control. These controls allow users to open external window frames without having to open the windows and be exposed to unpleasant temperature changes.

Truly practical

Window and door frames can be centrally controlled by positioning all control switches in a single area of the house. This clever solution allows users to open and close all window and door frames from a single point, improving the quality of their daily life.

It is particularly beneficial for older or physically impaired users, who will be able to open and close door and window frames from the central control switches without having to move from room to room or to leave the house.

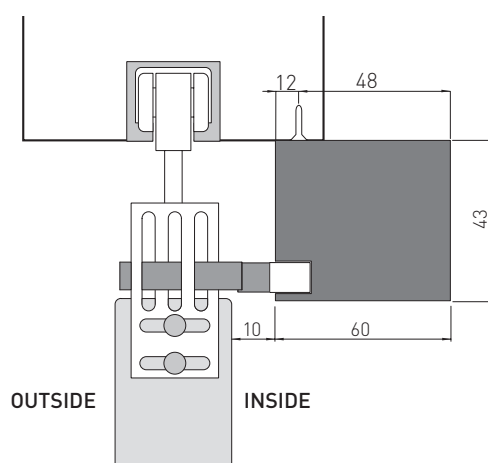
A practical mounting set

The automation is supplied complete with:

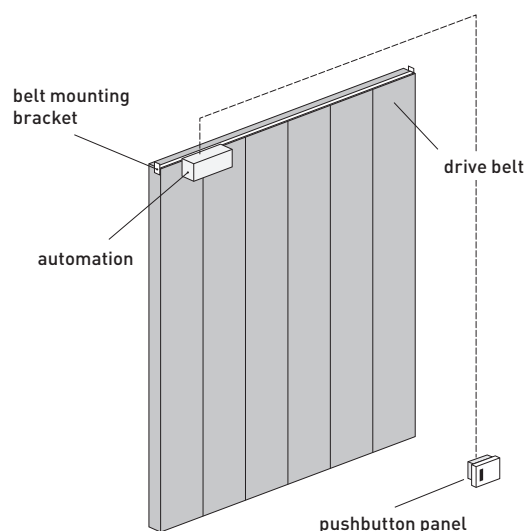
- an actuator
- transmission belt
- two belt connections
- a control panel including radio receiver built-in.



Dimensions



Example installation



Product range


KJE	set OLLYE
-----	-----------

Technical features and system functions

Technical specifications

	Olly C	Olly E
Description	electromechanical actuator for interior sliding doors	electromechanical actuator for sliding frames
Special uses	disabled use	
Stroke control	encoder	
Maximum capacity	40 kg	80 kg
Duty class	3 - medium duty	2 - light
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 7 min S3 = 15%
Power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Power input	0.2 A	1.8 A
Torque/Thrust	30 N	50 Nm
Opening Speed	0.4 m/s	0.1 m/s
Closing speed	0.2 m/s	0.1 m/s
Maximum opening	2 m	3,5 m
Anti-panic system	OC LOKA	
Operating temperature	-20°C / +55°C	-20°C / +55°C
Protection rating	IP 20	IP 20
Product dimensions (mm)	67x115x1000	43x60x120
Control panel	EL06A (built-in)	R02H

System functions

Description	Olly C	Olly E
Control panel	ref. EL06A for 1 motor 24 V DC	ref. R02H for 1 19 V DC motor with built-in radio
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
 Energy saving	reduced consumption when in stand-by and in use	reduced consumption when in stand-by and in use
Number of motors	1	1
Motor power supply	24 V DC / 1.8 A	19 V DC / 1.8 A
Accessories power supply	24 V DC / 0.3 A	
Electro lock	24 V DC / 0.5 A	
Encoder speed and deceleration control	■	
Stop device		■
ODS - Obstruction Detection System	■	■
Braking / slowing down	■	
Open control	■	■
PUSH AND GO opening	■	
Close control	■	■
Temporised automatic closing	■	
Hold-to-run control		■
Emergency reverse	■	
Safety-test and safety-monitoring function	■	

The accessories that make all the difference

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 keypad transmitter

Four-channel encoded radio command - open by entering the 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 switch

With anti-break-in device. For wall or vertical mounting.



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 DC and 230 V AC flashing light with flashing operation controlled from the control panel.

Available for Ditec TOP, Ditec Box, Ditec Dod, Ditec Dor



Available for the automation listed

Lan 7 device with proximity control

Remotely operated identification system featuring TRANSPONDER technology.

Available for all automation systems (except Ditec Olly E)



Sof safety edge

It is fitted to all entrance-control systems to ensure maximum safety during opening and closing operations.

Available for Ditec Dod and Ditec Dor



Control sensors

Detect the presence and passage of people in a specific area, in front of the entrance, with operating function controlling the opening and closing of the door.

Available for Ditec Olly C



Pushbuttons for handicapped users

Perfectly meet the comfort and accessibility needs of more "vulnerable" categories.

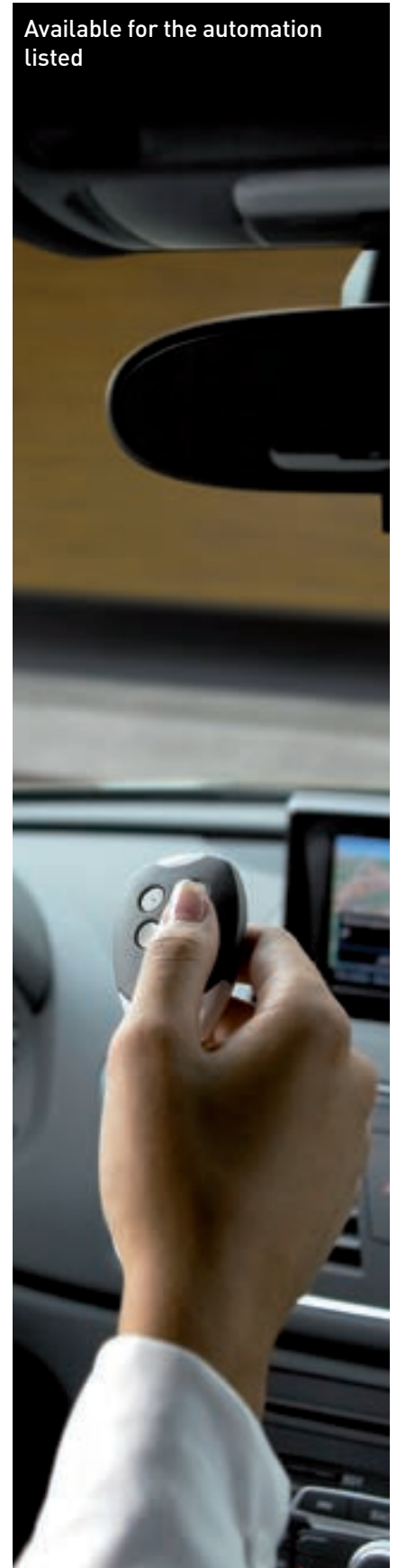
Available for Ditec Olly C and Ditec Olly E



Control pushbuttons

They make it possible to open the door or the frame with a slight pressure or by proximity of the hand.

Available for Ditec Olly C



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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