

ENG

# Automatic residential sectional overhead doors



Advanced entrance technology



# Automatic residential sectional overhead doors?

Yes, please.



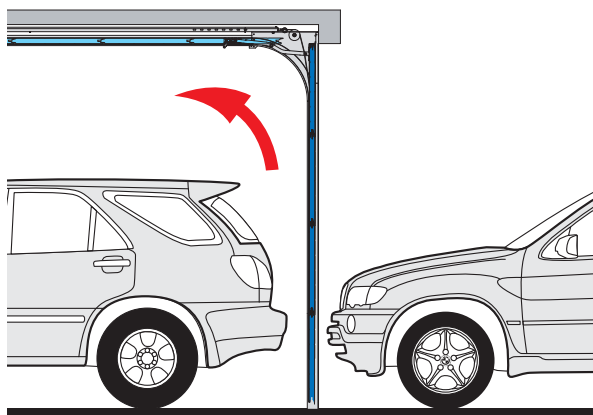
Enough has been said on the advantages offered by automatic sectional overhead garage doors: everyone knows how comfortable, safe, practical, reliable they are and how they enhance the look of a new or renovated building.



They are no longer difficult to open or exposed to the rain: the door can safely be opened by simply touching the remote control.



You can open it or close it even if your car is parked very close to the door.



The sectional overhead doors open vertically. They slide upwards, then along the ceiling, through the guides provided, making them ideal when space is at a premium, or when the garage opens directly onto the pavement.



**One of the smallest heat insulation coefficient!**

Value refers to 25m<sup>2</sup> entrance door  
(UNI EN 1324-1 certified value)  
 $U_w = 1.18 \text{ W/m}^2\text{K}$

In addition, current sectional overhead doors have a high heat insulation coefficient, thanks to their insulated panels, which ensure the best insulation rating from the heat/cold and contribute to saving energy.

DITEC, the automatic entrance specialists, offer several sectional overhead door models with two different configurations: the conventional automatic sectional overhead doors and the innovative Movida automatic sectional overhead doors.

### **Movida sectional overhead doors featuring new technologies:**

- to open doors up to 3.6 m wide
- minimum lintel overall dimensions 130 mm
- side fitted motor, built in the sliding guide
- balancing achieved with fully concealed extension springs

### **Conventional sectional overhead doors:**

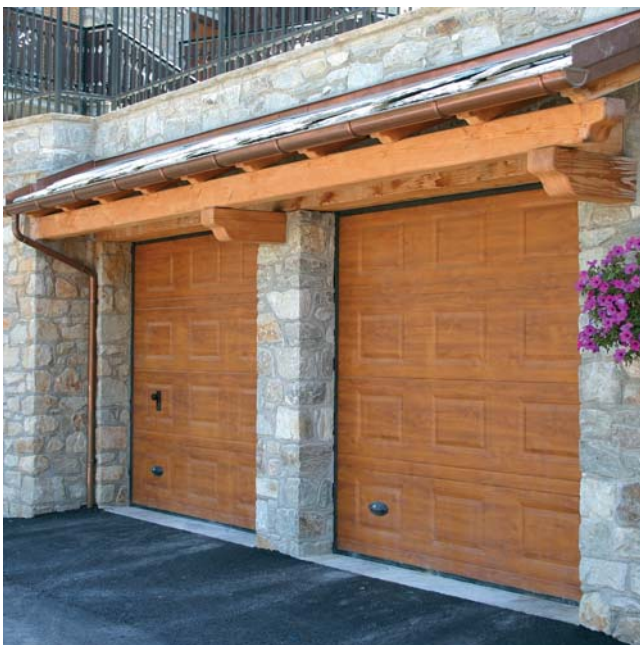
- to open doors up to 5.5 m wide
- minimum lintel dimensions 160 mm
- centrally located motor, fixed to the ceiling
- balancing achieved with visible torsion springs, fixed above the door

**DISCOVER THEIR PRACTICAL FEATURES AND NEW TECHNOLOGIES!**

**NEW** *Movida*



*Globe*





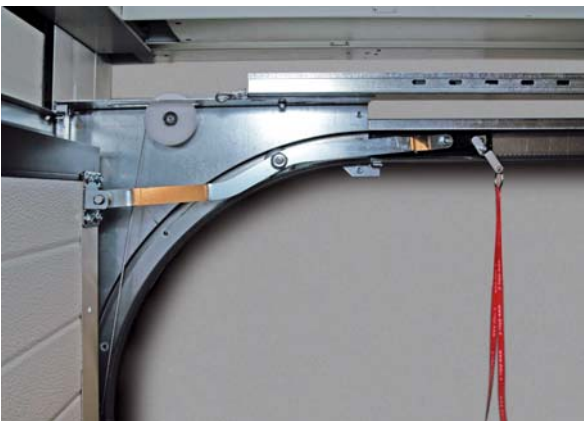
# Movida



# Welcome, new technologies!



Automation built in the side guide, to leave more space on the ceiling: a major advantage for owners of MPVs and 4x4s.



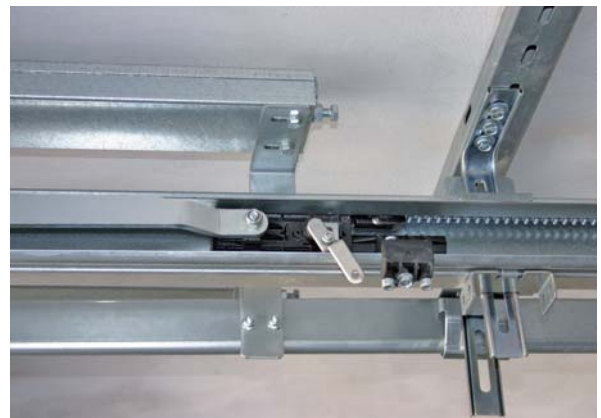
Full arch, giving strength to the door.  
Even shorter front overall dimension: 130 mm.



Flat side hinges, without overhangs and no need for adjustment.



Gear motor with rubber drive belt to ensure a very quiet operation.



Balancing achieved with extension springs enclosed in a practical tray shaped casing.









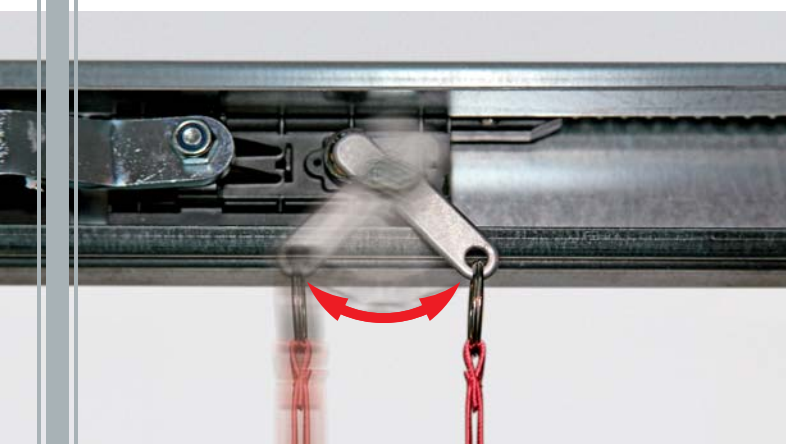
## Movida - Safer!

- The electronic control unit features a simple “tamper proof function” which, by using the motor thrust, is activated to oppose any attempt to force the door open from the outside.
- The automation fitted with an Encoder constantly check the sectional overhead door travel by indicating if obstacles are detected.
- No problem for children playing in the garage. The automation ODS system stops the door and reverses the door movement as soon as the smallest of obstacle is detected.
- The automation is fitted with speed, acceleration and braking settings, controlled from the display. The SOFT START and the SOFT STOP facilities avoid mechanical parts stress and wear, thus ensuring the reliability and long life of the door.
- No visible drive mechanism to get caught into.



## Movida - Easier to operate!

- Two position release system to ensure total ease of operation in the event of a power outage. The door can be effortlessly lifted by turning a lever.
- Side hinges and drive springs with no need for adjustment.
- Plug & play motor for basic functions.





# Movida - More technology!

As it is the case for vehicles, Movida automation features an intelligent electronic device with stresses self-adjusting and self-learning facilities.

- The electronic control unit acquires and stores a "force profile", which is the minimum thrust required to move the garage door at any point of its travel. The force required, in fact, is uneven and is affected by frictions on the guides, by the spring return, by the panel weight, and slightly differs between summer and winter. The electronic monitoring operation constantly updates this force profile to the current condition, thus allowing the entrance door to automatically adjust even to the door frame natural ageing process.
- However, the installation engineer can also reacquire the profile through a special operation and can reset a maximum automatic adjustment limit, and a minimum number of operations which, once reached, shows when the door must undergo a maintenance operation.
- Access to settings can be protected to make sure they cannot be made by unauthorised people.
- The automation has a user interface with a two character display, which allows a DITEC specialised engineer to easily and quickly change the settings, as well as to access special menus used to plan maintenance operations, to create and store customised settings, to make it easy to identify operating faults through diagnostics and error messages.



*Movida* is a smarter looking replacement for traditional up and over doors.



## Movida - More practical!

- A single radio control for the garage and the gate, 4 fully configurable DITEC transmitter keys allow the user to assign the desired function to each key. This is particularly useful for systems fitted with DITEC automations (such as, in addition to garage doors, to gates for block of flats, access barriers in car parks).
- The ultra quiet gear motor fitted with a rubber drive belt, mounted directly at the end of the side guide, which replaces the central gear motor, leaves more space on the ceiling.
- The sectional overhead door guide has a provision for motor installation. After installing the guide, the motor can then be easily and quickly mounted on the guide without having to drill other holes, specially in the reinforced concrete beams normally located above the entrance door, a common problem found in older solutions.



## Movida - Smarter looking!

- The clean, essential and strictly linear design can be seen even in the smaller details.
- Smart courtesy light with LED for longer life, with operating time adjustment option.  
The courtesy light built in the automation is fitted with a very bright LED which ensures, in addition to a reduced energy consumption (in line with the Energy Saving philosophy already used on other DITEC products), effectively unlimited life, impossible to achieve with glow lamps.
- It is also possible to use the flashing light dedicated output, if available, to control an external timed or untimed light point.
- Wide range of finishes, accessories and colours.
- Movida is also ideal to replace the traditional up and over doors, thanks to its reduced overall dimensions.
- Assembly and adjustment times are reduced.
- It is operated by extension springs, longer lasting than torsion springs.
- Finally, a sectional overhead door designed for residential use, not a reduced size industrial doors, as it is the case in most of the commercially available doors.





# Conventional sectional overhead doors, automated with **Globe**

Sometimes, for technical reasons, it is not possible to install a Movida automated sectional overhead door. Should this happen, a conventional installation may be carried out by using Globe central automation.

Globe drive unit, installed on the ceiling and complete with DITEC original control, monitoring and safety accessories, reliably automates any types of garage sectional overhead door.

You can remotely control the door and enter directly in your previously lit garage thanks to Globe, for better visibility and safety at night time and in poor weather conditions.

The innovative system with encoder, which controls the sectional overhead door travel, speed and decelerations, detects any obstacle when the door opens and closes and ensures a high level operating safety.

## *Globe* - Sturdy motor, technology driven!

- Control panel with built-in radio.
- High level of safety ensured by the 24V DC motor.
- Internal release system.
- Encoder controlled door travel.
- Chain driving systems or, for a quieter operation, drive belt systems, located inside steel sliding guides.
- Built-in control panel and courtesy light.
- Supplied with all fitting accessories.
- Easy to fit, it does not require any brickwork.

MODELS	PARIS	ROME	BERN	WIEN
Groove panels	/		/	
Cassette panels		/		/
Material	<b>Sandwich panel version with prepainted galvanised steel plate.</b> Thickness 40 mm, heights 500 mm and 610 mm. Insulated with high density CFC-free polyurethane foam (48 kg/m <sup>3</sup> ). Horizontal groove and cassette panel motifs, with streaked effect external embossing.		<b>Profiled sandwich panel version with double hot-galvanised steel plate, with Teak wood effect and Nogal wood effect coating.</b> Thickness 40 mm, heights 500 mm and 610 mm. Insulated with high density, CFC-free polyurethane foam (48 kg/m <sup>3</sup> ). Smooth finished (scratched) groove and cassette panel motifs with streaked effect embossing. For up to 5.5 m wide opening, 160 mm reduced size lintel.	

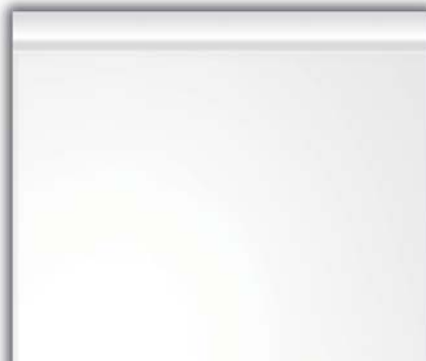


# Movida and Traditional: Available colours

## GROOVE PANELS



## SOLID FLAT (only available in white)



## CASSETTE PANELS

The colours printed on paper may not exactly match the original colour. Please refer to RAL official tables, even when selecting customised colours.



- Sandwich panel version with double steel plate pregalvanised with the Sendzimir process and painted with polyester resins specially treated to ensure a high surface resistance.
- Thickness up to 40 mm, supplied in two different heights: 500 and 610 mm.
- Insulated with high density, class B2 self extinguishing polyurethane foam (48 kg/m<sup>3</sup>), CFC (chloro fluoro carbon) free.
- The sheet metal features an orange peel finish, whilst the outer surface is available in the unique STREAKED EFFECT finish with horizontal groove panel motifs, on in the CASSETTE or FLAT version with or without groove panels and with smooth surface finish.
- Also available in the following versions:
  - STREAKED CASSETTE PANELS
  - SOLID FLAT
  - FLAT GROOVE panels in TEAK and NOGAL wood effect colours
  - STREAKED GROOVE panels in TEAK and NOGAL wood effect colours.





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## Colours for OUTDOORS

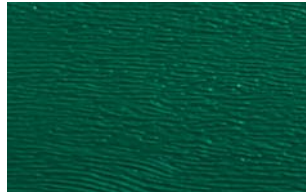
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Similar to RAL standard colours

**White RAL 9003W**



**Green RAL 6005W**



**Dark brown RAL 8014W**



Similar to RAL optional colours (only for groove panel doors)

**Blue RAL 5010W**



**Silver RAL 9006W**



Wood effect colours

**Teak**



**Nogal**



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## Colours for INDOORS

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Similar to RAL standard colours

**White RAL 9003E**



# Accessories



## **Infrared photocells - OPTIONAL**

Installed on door vertical uprights or on specially provided mountings, they stop and immediately raise the panel if the infrared beam is interrupted.



## **Lifting handles**

Strong and ergonomically designed, they allow users to manually open and close the door with ease. DITEC exclusive design.



## **Anti-pinching guard**

Avoids finger pinching if a hand is accidentally placed on the moving panel.



## **Coverings / Vertical mountings - OPTIONAL**

For within opening applications, compressed and folded tubular sections, painted with the same colour as the door.



## **Motor release system with lock**

Knob type external handle and internal hammer type handle for motor release.



## **Perimeter seals**

The special anti-ageing rubber seals are fitted on the ends of the door and on the sides of the door opening. They ensure a great insulation, avoiding the passage of air, dust and water.



## **Windows, portholes and ventilation grilles - OPTIONAL**

Lacquered aluminium windows provided to give more light to the room and double polycarbonate plate portholes, without compromising on looks.

Different solutions available, suitable for any style of room, all intrusion proofed. PVC ventilation grilles to avoid condensation and to ensure a good ventilation and to exhaust any fumes.



## **Pedestrian doors - OPTIONAL**

For heavy pedestrian use, they have been designed in two different versions; with independent side entrance and with pedestrian door built in the sectional overhead door covering, without affecting the look of the door.



# Technical specifications

## Available models technical specifications

Description	MOVIDA MR	GLOBE 7	GLOBE 10
Electromechanical actuator	for MOVIDA sectional overhead doors (24 V DC motor)	for spring operated sectional overhead and up and over doors	for spring operated sectional overhead and up and over doors
Travel control system	encoder	encoder	encoder
Maximum capacity	see the information on the Price List		
Duty class	2 - light	3 - heavy	3 - heavy
Intermittent operation	S2 = 7 min / S3 = 15%	S2 = 30 min / S3 = 50%	S2 = 30 min / S3 = 50%
Power supply	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz
Insulation class	class 2	class 1	class 1
Power input	0.7 A	0.7 A	1.2 A
Thrust	500 N	500 N	900 N
Opening speed	0.08-0.15 m/s	0.15 m/s (chain) 0.18 m/s (belt)	0.15 m/s (chain) 0.18 m/s (belt)
Closing speed	0.08-0.15 m/s	0.10 m/s (chain) 0.12 m/s (belt)	0.10 m/s (chain) 0.12 m/s (belt)
Release system for manual operation	with cable	with cable	with cable
Operating temperature	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C
Protection rating	IP 20	IP 10	IP 10
Product dimensions (mm)	400x110x120	490x208x124	490x208x124
Control panel	EL25 (built-in)	70R (built-in)	71R (built-in)

## Main system functions

Description	EL 25	GLOBE 70R	GLOBE 71R
Control panel	for MOVIDA sectional overhead doors with built-in radio	for 1 24 V DC motor with built-in radio	for 1 24 V DC motor with built-in radio
Mains power supply	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz
Batteries	/ (optional)	/ (optional)	/ (optional)
Energy saving	reduced power consumption when in use	reduced power consumption when in use	reduced power consumption when in use
Number of motors	1	1	1
Motor power supply	24 V= / 4.5 A	24 V= / 8 A	24 V= / 12 A
Accessories power supply	24 V= / 0.5 A	24 V= / 0.3 A	24 V= / 0.3 A
Flashing light	24 V	24 V	24 V
Courtesy light	led	/	/
Encoder (speed and deceleration control)	/	/	/
Force adjustment control	with display	with trimmer	with trimmer
ODS - Obstacle detecting system	/	/	/
Speed adjustment	with display		
Braking / Deceleration	with display	/	/
Operation time adjustment	with display		
Open control	/	/ (with dip-switch)	/ (with dip-switch)
Partly open control	/ (only with radio)	/ (only with radio)	/ (only with radio)
Automatic timed close control	/	/	/
Inching control	/	/	/
Stop safety device	/	/	/
Reverse operation safety device	/	/	/
Soft start-stop	/	/	/



## Accessories

The wide range of DITEC accessories offers access system fitted with several types of control and monitoring devices.



### GOL 4 transmitters

Fixed code four channel-four function, with cloning option, or with rolling code system. Certified and directive compliant.



### Infrared beam photocell Xel 2 and Lab 3

Allows the automation to operate at the highest safety levels. Can be wall or column mounted. Modulated infrared beam.



### Xel 5 key operated selector switch

With tamper proof and vandal resistant device. Can be wall or column mounted.



### Lan 4 digital combination systems

With vandal resistant digital combination keyboard. Up to 8 characters PIN no.



### Mountings for GOL 4 transmitter

Smartly designed, they can be located on any surface: from the car dashboard to the garage or house walls. The remote control is easily stored in its practical cradle and is always available.



### Lamp H

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



### GOL 4M keyboard transmitter,

with digital combination Coded four-channel control. Allows motorised entrances to be opened via radio signals by entering a code. For wall mounting.

When building the system, only use DITEC accessories and safety devices.

DITEC automations all feature CE marking and are 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.

DITEC S.p.A. reserves the right to make changes which may improve the products. DITEC S.p.A. always strives to improve its 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.ditec.it](http://www.ditec.it)



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