

# Upper

automatic barriers



## ▶ Upper vehicle barriers: the best solution for access control

Private areas, commercial or industrial companies often require access control to their car parking sites to allow entrance to duly authorized people only.

Nowadays, although technology offers a variety of control systems, barriers remain the simplest and most convenient solution to control parking access.

DITEC offers a winning product: UPPER barriers.

UPPER barriers can easily and effectively meet your parking-access requirements.

They have a simple and functional design.

They are provided in their traditional RAL 2000 orange colour, specifically chosen for safety reasons or in stainless steel, to withstand the harshest weather conditions and saltiness, which is a common problem in coastal areas.

Furthermore, boom arms of different length allow Upper traffic barriers to meet any particular requirement.

## ▶ Reliable, sturdy and long-lasting

- ▶ Extremely reliable products, tested and distributed all over the world.
- ▶ In compliance with regulations and CE marked.
- ▶ 2 to 8 metres boom arms to meet any particular requirement.
- ▶ Sturdy steel structure with scratch-proof coating.
- ▶ Structure resistant to aggressive environmental conditions.
- ▶ Available in stainless steel (check the versions).
- ▶ Key lock release for manual operation.
- ▶ Motor protected by internal thermal probe.
- ▶ Operation also at very low temperatures.
- ▶ Wide range of accessories for installation.
- ▶ A wide network of expert technicians provides for installation and maintenance.

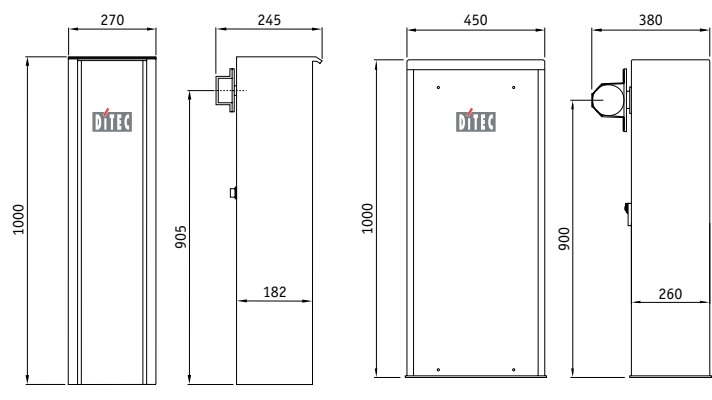


## Product features and main functions

Upper barriers are equipped with compact gearmotors, which by means of solid leverages, have the boom arm move in a safe and reliable way.

The barriers come in different versions and are available with a variety of functions to meet any particular operation requirement with maximum safety and effectiveness.

Find out more about the various solutions we offer by looking at the following tables.



dimensions



## Product Range and Technical Specifications of Available Versions

	UP 2EL	UP 2EH	UP 4E	UP 4EL	UP 4EH	UP 4EH S	UP 8EL
Operation	electromechanical	electromechanical	electromechanical	electromechanical	electromechanical	electromechanical	electromechanical
Other versions			<b>UPY 4E (stainless steel)</b>	<b>UPY 4EL (stainless steel)</b>	<b>UPY 4EH (stainless steel)</b>		
Boom max. length	2.7 mt	2.7 mt	4.7 mt	4.7 mt	4.7 mt	4.7 mt	8.4 mt
Passage	2.5 mt	2.5 mt	4.5 mt	4.5 mt	4.5 mt	4.5 mt	8.0 mt
Duty	heavy	heavy	intensive	intensive	heavy	light	intensive
Opening time	1.5 s/90'	1 – 2.5 s/90'	3 s/90'	3 s/90'	1.5 – 4 s/90'	1.5 – 4 s/90'	5 – 8 s/90'
Intermittence	S2 = 60 min S3 = 60%	S2 = 60 min S3 = 60%	S2 = 15 min S3 = 30%	S2 = 15 min S3 = 30%	S2 = 15 min S3 = 30%	S2 = 7 min S3 = 15%	S2 = 30 min S3 = 50%
Power supply	230V AC – 50 Hz	230V AC – 50 Hz	230V AC – 50 Hz	230V AC – 50 Hz	230V AC – 50 Hz	solar panel 2x12V DC – 14W	230V AC – 50 Hz
Insulation rate	1	1	1	1	1	3	1
Current	1.2 A	1 A	1.2 A	1.2 A	1 A	1 A	1.5 A
Motor power	100 W	100 W	100 W	100 W	100 W	100 W	200 W
Couple	45 Nm	20 Nm	60 Nm	60 Nm	45 Nm	45 Nm	160 Nm
Manual lock release	by key	by key	by key	by key	by key	by key	by key
Operation temperature	-15°C / +50°C	-15°C / +50°C	-15°C / +50°C	-15°C / +50°C	-15°C / +50°C	-15°C / +50°C	-15°C / +50°C
Protection degree	IP 45	IP 45	IP 45	IP 45	IP 45	IP 45	IP 45
Dimensions	270x182x1000	270x182x1000	270x182x1000	270x182x1000	270x182x1000	270x182x1000	450x260x1000
Weight	40 kg	40 kg	40 kg	40 kg	40 kg	40 kg	90 kg
Control panel	LOGIC A21	LOGIC UH	D61	LOGIC A21	LOGIC UH	SOLAR UH	LOGIC A21



## ▶ Main functions of the barriers and control panels

	UP 2EL	UP 2EH	UP 4E	UP 4EL	UP 4EH	UP 4EH S	UP 8EL
	LOGIC A21	LOGIC UH	D61	LOGIC A21	LOGIC UH	SOLAR UH	LOGIC A21
<b>Battery back up</b> provides for power supply in the event of power failure		/ optional			/ optional	/	
<b>Number of motors</b>	1	1	1	1	1	1	1
<b>Motor power supply</b>	230V AC 5 A max	24V DC 7 A max	230V AC 5 A max	230V AC 5 A max	24V DC 7 A max	24V DC 7 A max	230V AC 5 A max
<b>Flashing light</b> 3-second warning flash light, signalling the barrier is closing <sup>1</sup>	H L	H	L	H L	H	H	H L
<b>Open gate signal</b> signals the barrier is not completely closed <sup>2</sup>	A F		F	A F			A F
<b>Provision for limit switches</b>	/		/	/			/
<b>Encoder</b> by its learning function, the system recognizes the boom mechanical stops and manages speed and slow-down effects in following operations		/			/	/	
<b>ODS – obstacle detection</b> provides for operation stopping or reversal in case of obstacle detection	/	/	/	/	/	/	/
<b>Speed adjustment</b> provides for boom speed adjustment		/			/	/	
<b>Slow down effect</b> provides for best boom approach		/			/	/	
<b>Operation time adjustment</b>	/			/			/
<b>Opening/closing</b>	/	/		/	/	/	/
<b>Partial opening</b>	/			/			/
<b>Automatic closing</b>	/	/	/	/	/	/	/
<b>Step-by-step control</b>	/	/	/	/	/	/	/
<b>Hold-to-run control</b>	/	/		/	/	/	/
<b>Stop safety</b>	/	/	/	/	/	/	/
<b>Reverse safety</b>	/	/	/	/	/	/	/
<b>Self-test function</b>	/			/			/
<b>NIO antifreeze function</b>	/	/		/	/		/

### Legend

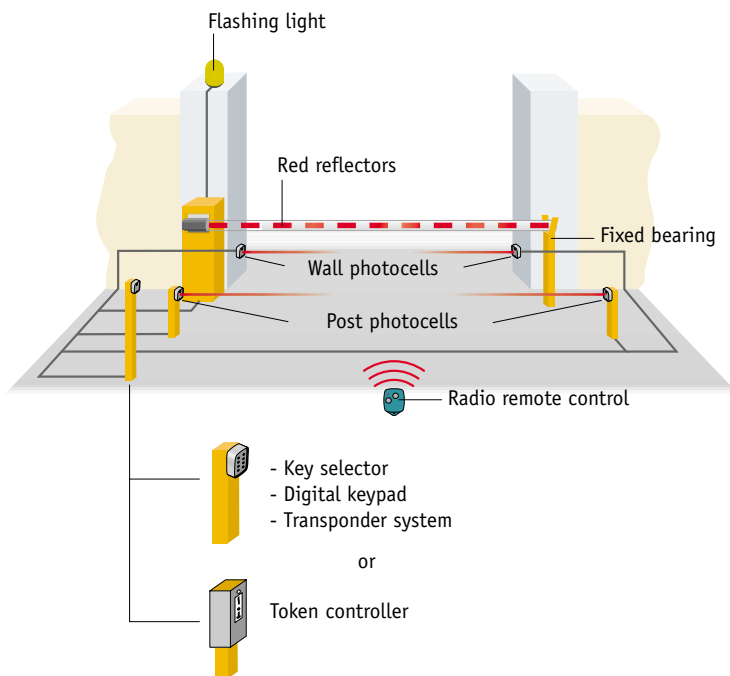
- <sup>1</sup> Flashing light      H = 24V; L 230V  
<sup>2</sup> Open barrier signal      A = analogic; F = limit switch

## ▶ Accessories

DITEC wide range of accessories offers access systems with several operation and control alternatives.

### Specific Accessories

- ▶ Articulated joints
- ▶ Red reflectors
- ▶ Fixed bearing
- ▶ Mobile bearing
- ▶ Aluminium apron
- ▶ Battery back-up



Further information can be found in technical manuals available on the website [www.ditec.it](http://www.ditec.it) or in price lists.

- ▶ **Lan proximity access control**  
Identification system using transponder technology.



- ▶ **Xel key selectors**  
High security, vandal-proof device. Suitable for surface or flush mounting.



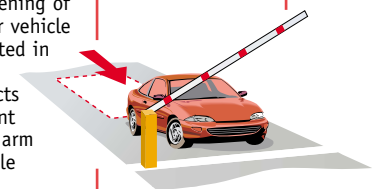
- ▶ **Xel digital keypad systems**  
Vandal-proof digital keypad with secret code up to 8 figures.



- ▶ **Lan token controller**  
Allows the automatic system opening once. Token with codified mark.



- ▶ **Magnetic loop detectors**  
Allow the automatic opening of the barrier as the motor vehicle goes over a sensor located in the paving. If used as a safety device, it detects when a vehicle is present and prevents the boom arm to lower until the vehicle moves off.



- ▶ **Bix radio remote controls**  
With individual code, that can not be copied, stored in the EEPROM, 16-million code combinations, rolling code technology. Approved and in compliance with directives.



- ▶ **Teo L digital radio keypad control**  
4-channel programmable radio remote control. It provides for radio opening of automatic entrances, by means of a code. Suitable for surface mounting.



- ▶ **Lamp flashing light systems**  
Flashing lights.  
One or two-light traffic light.



## Regulations

Use only DITEC accessories and safety devices for automation system installation.

DITEC actuators are designed and built in compliance with the safety requirements defined in the Machinery Directive (98/37/CE), Electromagnetic Compatibility Directive (89/336/CEE) and Low-Voltage Directive (73/23/CEE).

DITEC products are constantly improved. As a consequence technical data as listed in this leaflet are not to be considered binding. Further information can be found in technical manuals, available on the website [www.ditec.it](http://www.ditec.it)



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