



# 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.

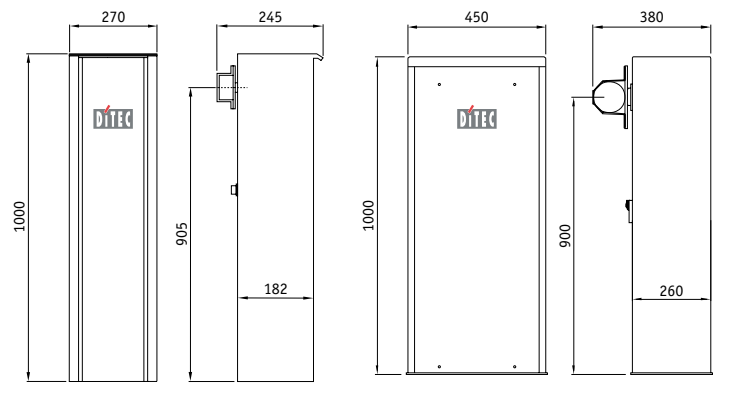


## Product features and main functions

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 2E	UP 2EH	UP 4E	UP 4EH	UP 4EH S	UP 8E
Description: Barriers	up to 2.5 m (motor 230 V~)	up to 2.5 m (motor 24 V=)	up to 4.5 m (motor 230 V~)	up to 4.5 m (motor 24 V=)	up to 4.5 m (solar panels)	up to 8 m (motor 230 V~)
Derived models	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel	
Rod length	2.7 m	2.7 m	4.7 m	4.7 m	4.7 m	8.4 m
Transit dimension	2.5 m	2.5 m	4.5 m	4.5 m	4.5 m	8.0 m
Type of use	very heavy duty	very heavy duty	heavy duty	very heavy duty	light	heavy duty
Intermittency	S2 = 60min S3 = 60%	S2 = 60min S3 = 60%	S2 = 15min S3 = 30%	S2 = 60min S3 = 60%	S2 = 7min S3 = 15%	S2 = 30min S3 = 50%
Power supply	230 V~ 50 Hz	230 V~ 50 Hz	230 V~ 50 Hz	230 V~ 50 Hz	solar panels and batteries	230 V~ 50 Hz
Insulation class	class 1	class 1	class 1	class 1	class 3	class 1
Input	1.2 A	1 A	1.2 A	1 A	1 A	1.5 A
Torque	45 Nm	20 Nm	60 Nm	45 Nm	45 Nm	160 Nm
Opening time	1.5 s/90°	1 ÷ 2.5s/90°	3 s/90°	1.5 ÷ 4 s/90°	1.5 ÷ 4 s/90°	8 s/90°
Release for manual opening	by key	by key	by key	by key	by key	by key
Operating temperature	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C (+5°C / +40°C batteries)	-20°C / +55°C
Protection degree	IP 45	IP 45	IP 45	IP 45	IP 45	IP 45
Product dimensions	270x245x1000	270x245x1000	270x245x1000	270x245x1000	270x245x1000	450x380x1000
Control panel	E1A	LOGIC UH	E1A	LOGIC UH	SOLAR UH	E1A



## Main functions of the barriers and control panels

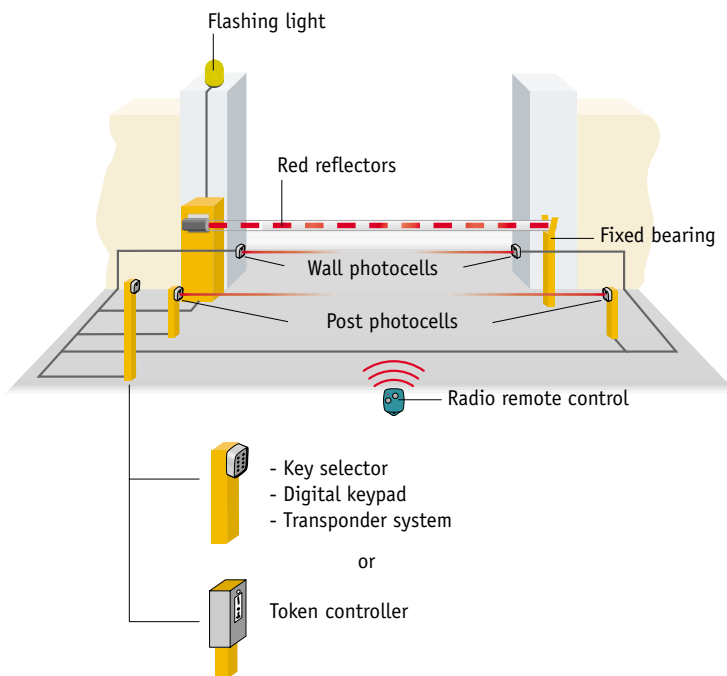
	UP 2E - 4E - 8E	UP 2EH - 4EH	UP 4EH S
	E1A	LOGIC UH	SOLAR UH
<b>Mains power supply</b>	230 V~ / 50 Hz	230 V~ / 50 Hz	pannelli solari e batterie
<b>Batteries</b> for operation in case of a power break		 optional	
<b>Motor power supply</b>	230 V~ / 5 A	24 V= / 7 A	24 V= / 7 A
<b>Accessories power supply</b>	24 V= / 0.5 A	24 V= / 0.3 A	24 V= / 0.3 A
<b>Flashing light</b> indicates automatic closing for 3 seconds	230 V	24 V	24 V
<b>Spia automazione aperta</b> segnala la mancata chiusura totale	from limit switch		
<b>Courtesy light</b>			
<b>Limit switch prearrangement</b>			
<b>Encoder</b> by means of the learning operation, the system recognises the mechanical stops and, during the following operations it controls speed and deceleration			
<b>Force adjustment</b>	transformer		
<b>ODS - Obstacle detecting system</b> causes stop or reversal of operation if an obstacle is found			
<b>Speed adjustment</b> permits adjusting speed to achieve best operation			
<b>Braking /Deceleration</b> for best approach			
<b>Operation time adjustment</b>			
<b>Opening command</b>	 (with dip-switch)		
<b>Partial opening command</b>	 (with remote only)		
<b>Closing command</b>			
<b>Timed automatic closing</b>			
<b>Step-by-step command</b>			
<b>Hold-to-run command</b>			
<b>Stop safety device</b>			
<b>Reverse movement safety device</b>			
<b>NIO - Antifreeze system</b> for maintaining motor efficiency even at low temperatures			

## ▶ 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.



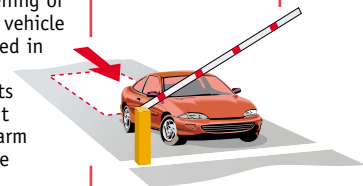
- ▶ **Xel digital keypad systems**  
Vandal-proof digital keypad with secret code up to 8 figures.



- ▶ **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.

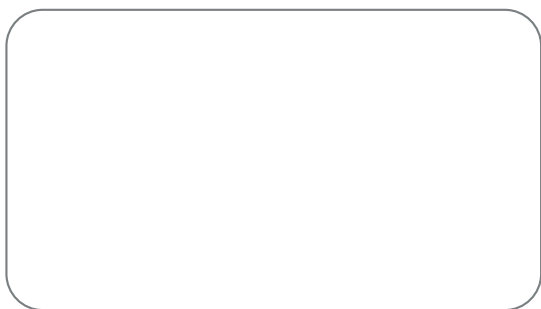


## Regulations

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

DITEC actuators are CE-marked. They are designed and built in compliance with the safety requirements defined in the Machinery Directive (98/37/EC), Electromagnetic Compatibility Directive (89/336/EEC) and Low-Voltage Directive (73/23/EEC). DITEC S.p.A. reserves the right to make any changes whatsoever in order to upgrade its products.

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 our technical manuals, available on the website [www.ditec.it](http://www.ditec.it)



**DITEC S.p.A.**

Via Mons. Banfi, 3 - 21042 Caronno Pertusella (VA) - ITALY  
Tel. +39 02 963911 - Fax +39 02 9650314  
[www.ditec.it](http://www.ditec.it) - [ditec@ditecva.com](mailto:ditec@ditecva.com)



ISO 9001  
Cert. n° 0957/1

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**DITEC DEUTSCHLAND**  
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**DITEC AMERICA**

LOKEREN  
OBERURSEL  
PALAISEAU  
MENDRISIO  
FT. LAUDERDALE USA  
Tel. +32 9 3560051  
Tel. +49 6171914150  
Tel. +33 1 64532860  
Tel. +41 91 6463339  
Tel. +1 954 9624505

Fax +32 9 3560052  
Fax +49 61719141555  
Fax +33 1 64532861  
Fax +41 91 6466127  
Fax +1 954 9626824

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