

Qik

ENG

Automatic Barriers



Advanced entrance technology

Looking for a parking access solution? Qik is your answer

Truly innovative shapes and uncompromising safety: these are the credentials of the new DITEC Qik barrier.

Soft edges, rounded corners, high performance and suitability for any type of installation environment.

Newly designed and technically advanced, Qik is the ideal solution for a totally safe access control of medium to high transit environments such as hotels, banks, shopping malls, as well as blocks of flats, companies and camp sites, which always require access control of car parking areas, to ensure their use to authorised people only.

The new Qik barriers are available in grey and red or in stainless steel, the ideal solution for harsher environments such as areas near the sea.

The wide range of lengths and DITEC accessories available ensure that all installation requirements are met.



Safe and reliable

Smartly designed, yet practical and safe, to ensure a long life.

The pickled, metallic colour painted sheet metal does not degrade with time, despite adverse weather conditions, and gives Qik a clean look.

The key operated lever release system can be promptly accessed from the inspection side; fitted with a cover plate, the system can safely handle all emergencies in case of power failure.

The top structure has a provision for an aerial to be installed to avoid any vandal attacks.

The new cabinet features large dimensions, to cater for the need for greater sturdiness and convey stronger-impact aesthetics. The electronic panel is positioned on the top part of the barrier at a height that permits easier access to components and therefore allows conveniently carrying out setting and maintenance jobs.

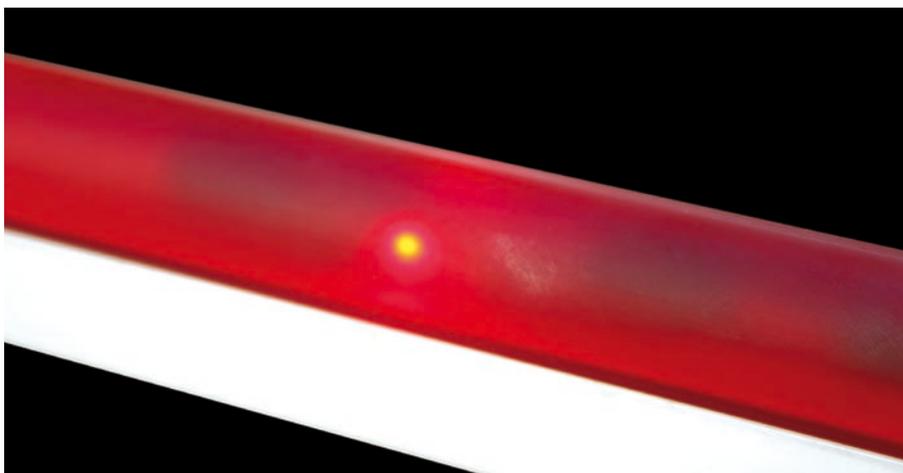
The new aluminium arm has been designed to avoid any shearing problems, thanks to a rubber guard located in the top and bottom section and to a newly designed rounded rotation pin.

The arm, round or elliptical, can be up to 8 metres long.

The new, elliptical shape of the barrier arm ensures better wind resistance, thus avoiding any swinging in the 6 metre version.

The arm is fitted with a rubber end plug and a provision for accessories.

To ensure more visibility in the more demanding applications, the direct current version is fitted with an arm lighting kit: the LED goes off when the arm is up; it flashes when the arm is moving and is continuously lit when the arm is down, in order to enhance its outline.



The balancing system uses a single compression spring. Five (differently coloured) springs are available. These springs, when correctly positioned and adjusted, allow the arm to be correctly balanced according to its dimension.

The system can be installed either on the right or on the left hand side by simply changing its position.

Two limit switches fitted to the alternating current version and one encoder to the direct current version allow further adjustments to the arm to be made in order to satisfy all possible requirements. Qik is also fitted with two adjustable mechanical stops.

Clean look and attention to details for heavy duty applications

All rivets are made of stainless steel and have no welding to ensure long life and maintain their features unaltered. The monobloc aluminium die-cast reduction unit ensures easy installation, longer life and easy cleaning.

Over a million operations ensured by the gear motor

The low stress reduction unit ensures a very high number of operations. The test carried out on the unit has achieved with ease a staggeringly high number of operations, over 1,500,000, as shown in the picture to the right.

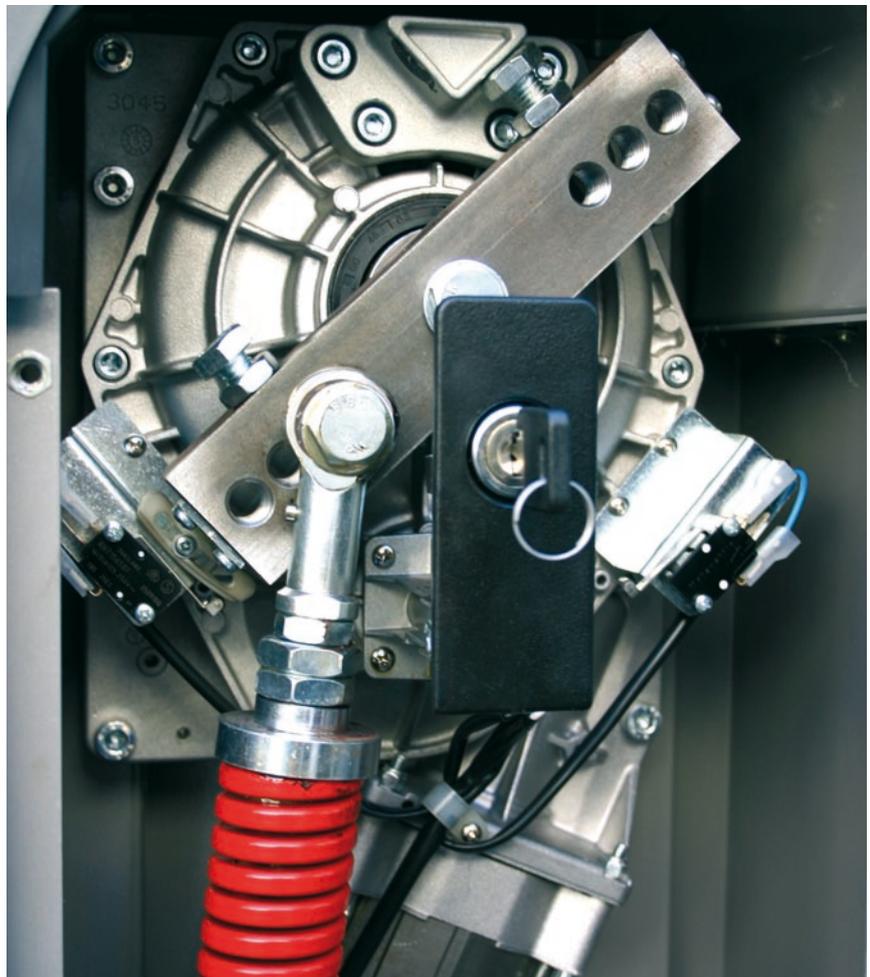
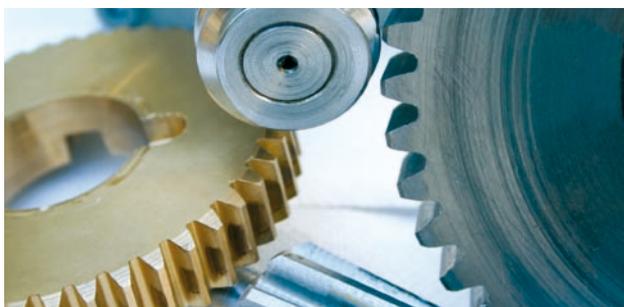
An access system built with safety in mind

The Qik barriers, when matched to the “LAN control systems”, solve all access problems and are very easy to use.

To allow employees and key customers to operate the barrier, a wide range of solutions are available: a remote control, a traditional key or keypad operated selector switch, a “LAN transponder” system or a “coin” system, which allows the barrier to be operated only once. This is a great solution for hotels, sport centres, shops and restaurants, visited by users who need temporary, quick and simple access.

Furthermore, the “magnetic loop” system is inherently very practical and simple to use.

The detector, when installed on the pavement, allows the exit barrier to be automatically operated when a vehicle goes over it, thus ensuring a regular flow of vehicles and avoiding unwelcome queues.



Distinctive features and main functions

- CE marking
- Direct current motor with high performance in terms of speed and number of operations; alternating current motor suitable for all applications requiring lower performance and shorter life
- Gear motor mounted at right angle with the barrier exit in order to avoid the use of a lever system and to leave more space available for the control unit
- Simple to install, the system ensures a very easy access to the control unit
- The 24 V version with encoder and limit switch allows slowdowns and speed control. Possibility of using batteries and operating intermittency
- In the Qik 80, the MD1 display module can be used for the diagnostics and enhanced control of panel adjustments, updatable by means of DMCS software

Accessories

- Provision for photocell installation on fixed mounting
- Red reflective strips
- Fixed mounting / Moving mounting
- Vandal proof electrically operated lock
- Aluminium skirting
- Arm pivot pin kit at 90°
- Batteries / Light kit
- Display module for diagnostics and enhanced control

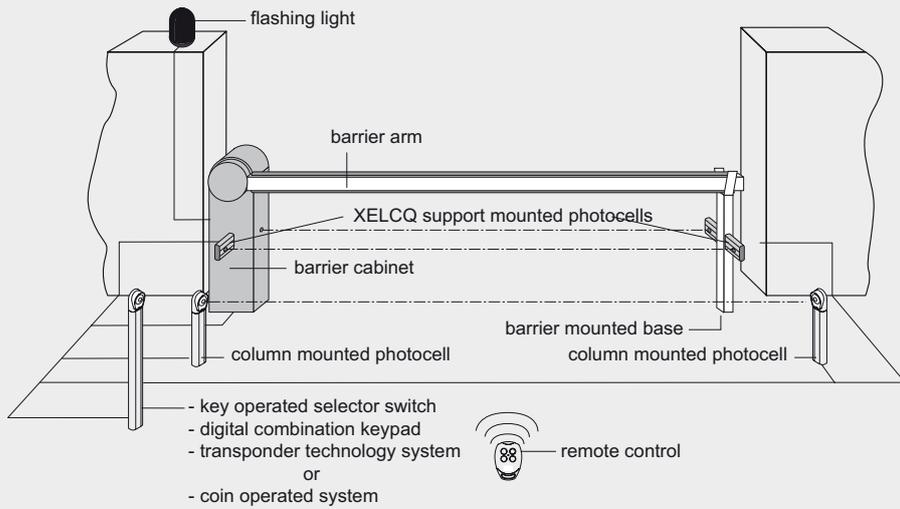


Technical Specifications

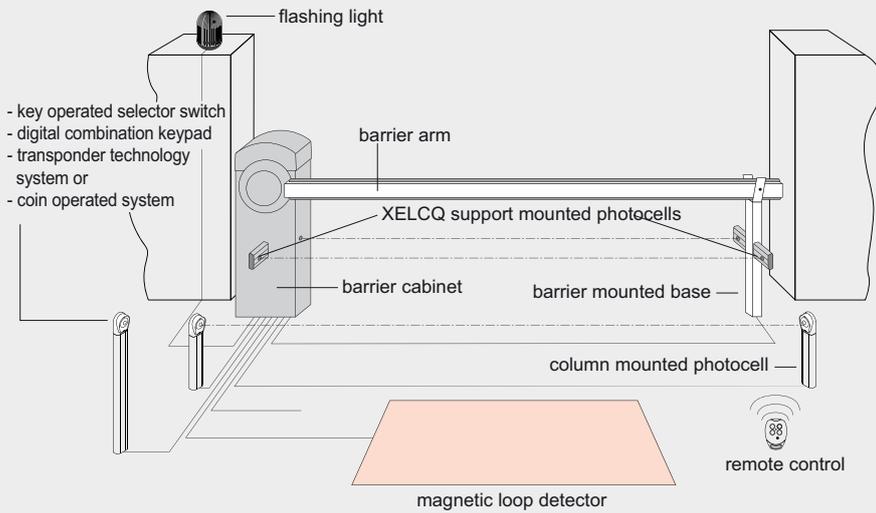
Description:	QIK 4E	QIK 7EH	QIK 60EH	QIK 70EH	QIK 80EH
Barriers	up to 3.5 m long	up to 5.8 m long	up to 5.2 m long	up to 5.7 m long	up to 8 m long
Travel control system	lever-type limit switch	encoder	encoder	encoder	encoder + limit switch
Arm length up to	3.7 m	6 m	5.55 m	6 m	8.35 m
Arm	elliptic	elliptic	round	elliptic	round
Transit dimension	3.5 m	5.8 m	5.2 m	5.725 m	8 m
Duty class	4 - heavy	5 - very heavy	5 - very heavy	5 - very heavy	4 - heavy
Intermittent operation	S2 = 15 min S3 = 30%	S2 = 60 min S3 = 60%	S2 = 60 min S3 = 60%	S2 = 60 min S3 = 60%	S2 = 50 min S3 = 50%
Power supply	 50 Hz	 50-60 Hz	 50-60 Hz	 50-60 Hz	 50-60 Hz
Insulation class	class 1	class 1	class 1	class 1	class 1
Input	1.2 A	1 A	1 A	1 A	1.2 A
Torque	90 Nm	70 Nm	70 Nm	70 Nm	200 Nm
Opening time	4 s/90°	2÷6 s/90°	2÷6 s/90°	2÷6 s/90°	6÷12 s/90°
Closing time		2÷6 s/90°	2÷6 s/90°	2÷6 s/90°	6÷12 s/90°
Release system for manual opening	Key-operated	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 (-10°C / +50°C with battery)	-20°C / +55°C (-35°C / +55°C with NIO enabled) (-10°C / +50°C with battery)	-20°C / +55°C (-35°C / +55°C with NIO enabled) (-10°C / +50°C with battery)	-20°C / +55°C (-35°C / +55°C with NIO enabled) (-10°C / +50°C with battery)
Protection rating	IP 24D	IP 24D	IP 24D	IP 24D	IP 24D
Product dimensions (mm)	300x320x1050	300x320x1050	405x525x1180	405x460x1180	405x525x1180
Control panel	E1A (built-in)	73RQ (built-in)	73RQ (built-in)	73RQ (built-in)	EL34 (built-in)

Example installations

QIK 4E - QIK 7EH

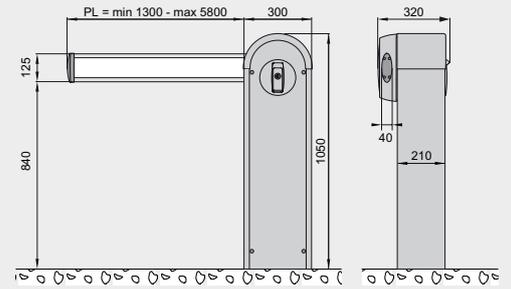


QIK 60EH - 70EH - 80EH

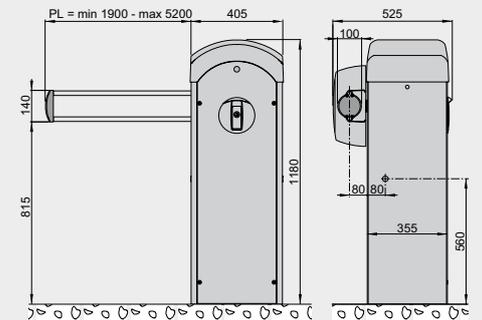


Overall Dimensions

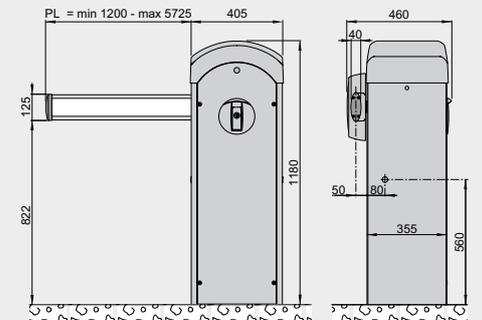
QIK 4E - QIK 7EH



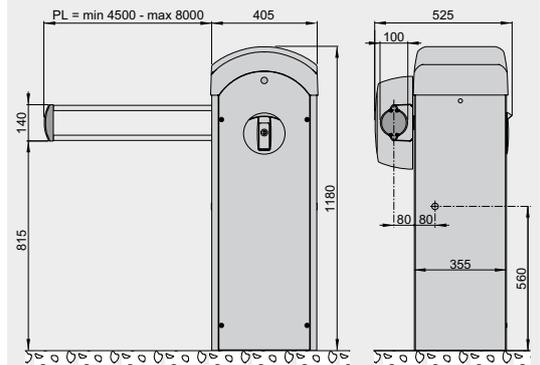
QIK 60EH



QIK 70EH



QIK 80EH



Main system functions

	QIK 4E	QIK 7EH - 60EH - 70EH	QIK 80EH
Description	E1A	73RQ	EL34
Control panel	for 1 230 V~ motor with built-in radio	for 1 24 V= motor with built-in radio	for 1 24 V= motor with built-in radio decoder
Mains power supply	 230 V~ / 50 Hz	 230 V~ / 50-60 Hz	 230 V~ / 50-60 Hz
Batteries ensure barrier operation in the event of power cuts		■ (optional)	■ (optional)
 Energy saving		reduced consumption when in use	reduced consumption when in use
Number of motors	1	1	1
Motor power supply	230 V~ / 5 A	24 V= / 7 A	24 V= / 16 A
Accessories power supply	24 V= / 0.5 A	24 V= / 0.3 A	24 V= / 0.5 A
Electrically operated lock		24 V= / 0.1 A	24 V= / 1 A
Flashing light 3 second warning before automatic closure	230 V	24 V	24 V
Automation open warning light warns the user if arm is not fully down	from limit switch	analogue	analogue
Courtesy light	■	■	■
Limit switch provision	■	■	■
Encoder to control speed and deceleration		■	■
Force adjustment control	transformer	automatic	automatic
ODS - Obstruction detection system causes the arm to stop or reverses operation when an obstruction is detected	■	■	■
Speed adjustment		■	■
Braking / Slowdown control ensures best approach		■	■
Operation time adjustment	■		
Open control	■ (with dip-switch)	■ (with dip-switch)	■
Partly open control	■ (with radio only)		
Close control	■	■	■
Automatic timed close control	■	■	■
Inching control	■	■	■ (with dip-switch)
Hold-to-run control	■	■	■
Stop safety device	■	■	■
Reverse operation safety device	■	■	■
Safety Test Facility for SOF self testing safety devices	■	■	
NIO - Antifreeze system for maintaining motor efficiency even at very low temperatures	■	■	■
Instant closure after transit	■	■	■
Operating temperature			-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection rating	IP 55	IP 55	IP 55

Accessories

The wide range of DITEC accessories allows the access systems to be used with various control and monitoring options.



GOL 4 transmitters

Fixed code, four channel-four function transmitters, with cloning option, or with rolling code system. Certified and compliant with all current directives.

Supports: smartly designed, these transmitters can be positioned on any surface: from the car dashboard to a garage or house wall. The remote control can be easily located and is always ready for use.



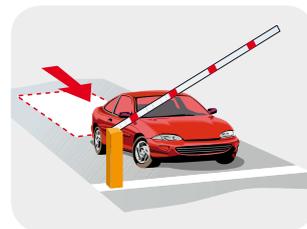
GOL 4M keyboard transmitter with digital combination

Four channel coded control. Allows electrically operated entrances to be opened with radio signals by entering a code. Wall mounted.



Lan 7 control devices with proximity control

Wireless identification system, featuring TRANSPONDER technology. Allows detection without the need for a touch-controlled device.



Magnetic loop detectors

Start the barrier automatic opening operation when a car goes over the sensor fitted to the pavement. As a safety system, it detects the car going past it and stops the bar from closing until the car has gone through.



Xel 5 key operated selector switch

Fitted with a tamper proof or vandal resistant device. Can be wall or column mounted.



Lamp Indicator devices

Flashing lights. One or two light signal columns.



Lan coin operated system

Allows the automatic system to be operated only once. Coded printed coin.



Lan 4 digital combination systems

Digital combination, vandal proof keypad. Up to 8 number PIN.

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



DITEC S.p.A. Via Mons. Banfi, 3 21042 Caronno P.lla (VA) Italy Tel. +39 02 963911 Fax +39 02 9650314
www.ditec.it ditec@ditecva.com

DITEC BELGIUM LOKEREN Tel. +32 9 3560051 Fax +32 9 3560052 www.ditecbelgium.be
DITEC DEUTSCHLAND OBERURSEL Tel. +49 6171 914150 Fax +49 6171 9141555 www.ditec-germany.de
DITEC ESPAÑA S.L.U. ARENYS DE MAR Tel. +34 937958399 Fax +34 937959026 www.ditecespana.com
DITEC FRANCE MASSY Tel. +33 1 64532860 Fax +33 1 64532861 www.ditecfrance.com
DITEC GOLD PORTA ERMESINDE-PORTUGAL Tel. +351 22 9773520 Fax +351 22 9773528/38 www.goldporta.com
DITEC SVIZZERA BALERNA Tel. +41 848 558855 Fax +41 91 6466127 www.ditecswiss.ch
DITEC ENTRE/MATIC NORDIC LANDSKRONA - SWEDEN Tel. +46 418 514 00 Fax +46 418 513 55 www.ditecentrematicnordic.com
DITEC TURCHIA ISTANBUL Tel. +90 21 28757850 Fax +90 21 28757798 www.ditec.com.tr
DITEC AMERICA ORLANDO-FLORIDA-USA Tel. +1 407 8880699 Fax +1 407 8882237 www.ditecamerica.com
DITEC CHINA SHANGHAI Tel. +86 21 62363861/2 Fax +86 21 62363863 www.ditec.cn