

SAF REL



Ditec

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

E A N D I A B L E

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

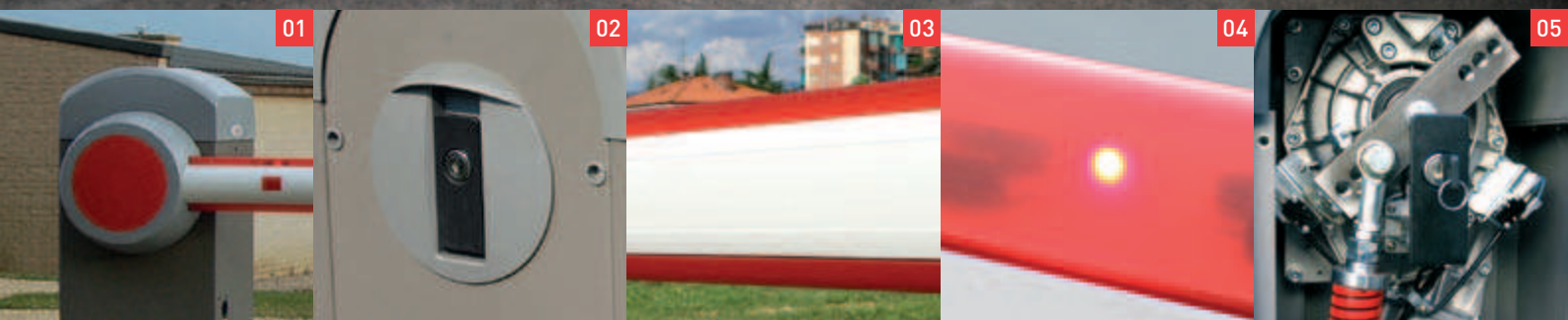
Ditec Qik is the ideal solution for a totally safe access control of medium to high transit environments such as hotels, banks, shopping malls, as well as blocks of flats, companies and camp sites, which always require access control of car parking areas, to ensure their use to authorised people only.

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





Truly innovative shapes and uncompromising safety



01 Two different types of cabinet to cater to various needs: one, slim-line and stylish for entrances of up to 5.8 metres, and one larger size for entrances of up to 7.6 metres, meeting the requirement for greater sturdiness and conveying 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 top structure has a provision for an aerial to be installed to avoid any vandal attacks.

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

02 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.

03 The aluminium arm, round or elliptical, has been designed to avoid any shearing problems, thanks to a rubber guard located in the top and bottom section and to the rounded design of the rotation pin.

The round arm can be up to 7.6 metres long.

The elliptical shape ensures better wind resistance, thus avoiding any swinging in the 5.8 metre version.

The arm is fitted with a rubber end plug and a provision for accessories (pivot pins, red reflective strips, fixed and moving mountings, vandal proof electrically operated lock, skirting and battery kit).

04 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.

05 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. Ditec Qik is also fitted with two adjustable mechanical stops.

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 DC version with encoder and limit switch allows slowdowns and speed control. Possibility of using batteries and operating intermittency
- In the Ditec Qik 80, the MD2 display module can be used for the diagnostics and enhanced control of panel adjustments, updatable by means of DMCS software.

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.

Tested to over a million operating cycles

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.

Access system built with safety in mind

The Ditec 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.


Specific 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 80EH
Barriers	up to 3.5 m long	up to 5.8 m long	up to 7.6 m long
Travel control system	lever-type limit switch	encoder	encoder + limit switch
Arm length up to	3.7 m	6 m	7.95 m
Arm	elliptic	elliptic	round
Duty class	4 - heavy	5 - very heavy	4 - heavy
Intermittent operation	S2 = 15 min S3 = 30%	S2 = 60 min S3 = 60%	S2 = 50 min S3 = 50%
Power supply	230 V~ / 50 Hz	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz
Input	1.2 A	1 A	1.2 A
Torque	90 Nm	70 Nm	200 Nm
Opening time	4 s/90°	2÷6 s/90°	6÷12 s/90°
Closing time	4 s/90°	2÷6 s/90°	6÷12 s/90°
Release system for manual opening	Key-operated	Key-operated	Key-operated
Operating temperature	-20°C / +55°C [-35°C / +55°C with NIO enabled]	-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
Product dimensions (mm)	300x320x1050	300x320x1050	405x525x1180
Control panel	E1A (built-in)	EL31R (built-in)	EL34 (built-in)

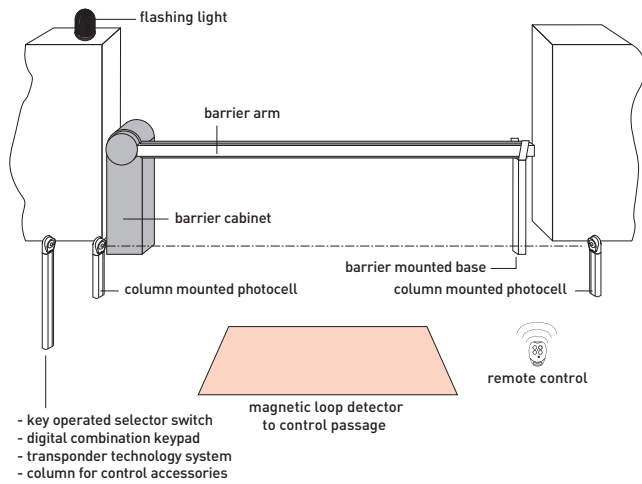
Main system functions

	Qik 4E	Qik 7EH	Qik 80EH
Description	E1A	EL31R	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		■ (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	230 V	24 V	24 V
Automation open warning light	from limit switch	analogue	analogue
Courtesy light	■	■	■
Limit switch provision	■	■	■
Encoder to control speed and deceleration		■	■
Force setting	transformer	automatic	automatic
ODS - Obstruction detection system	■	■	■
Speed adjustment		■	■
Braking / Slowdown control		■	■
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	■	■	
Soft Start		■	
NIO - Antifreeze system	■	■	■
Instant closure after transit	■	■	■
Protection rating	IP 55	IP 55	IP 55

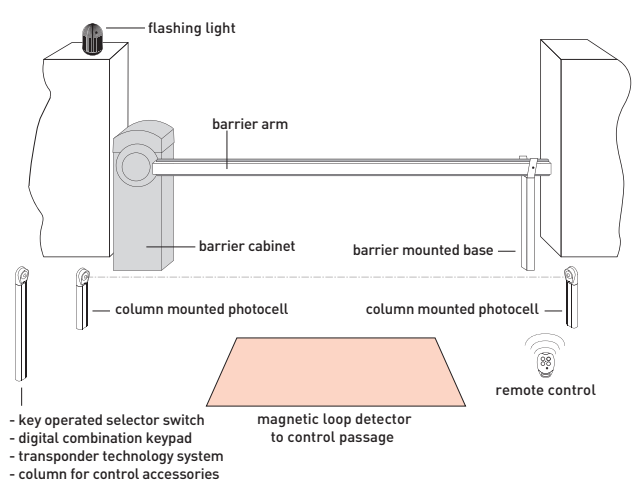
Example installations and overall dimensions

Example installations

Qik 4E - Qik 7EH

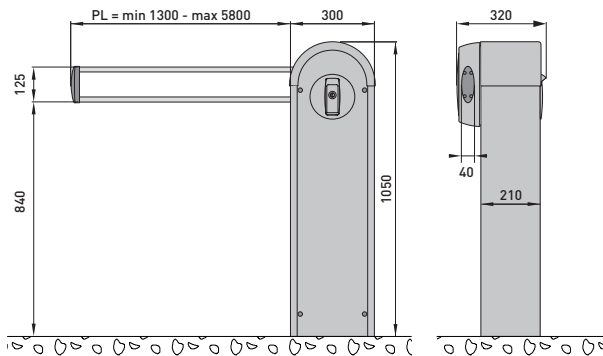


Qik 80EH

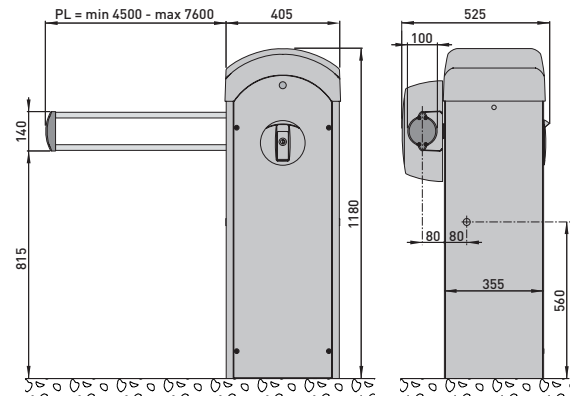


Overall dimensions

Qik 4E - Qik 7EH



Qik 80EH



The accessories that make all the difference

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

Available for all offered automation solutions



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 keyboard transmitter

Four channel coded control. Allows electrically operated entrances to be opened with radio signals by entering a 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 operated selector switch

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



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



Available for all offered automation solutions*

Lan 7 control device with proximity control

Wireless identification system, featuring TRANSPONDER technology.



Sof safety edges

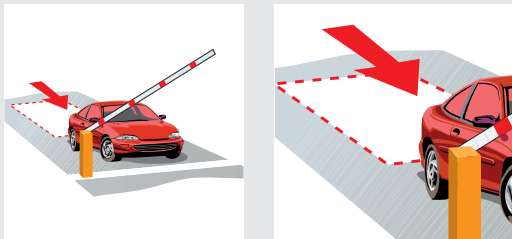
These are fitted to all entrance control systems to ensure maximum safety during opening and closing operations.



*Not available for Ditec Qik

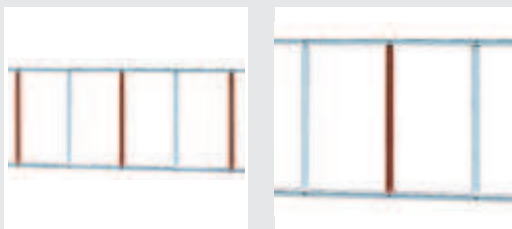
Magnetic loop detector

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



Aluminium skirting

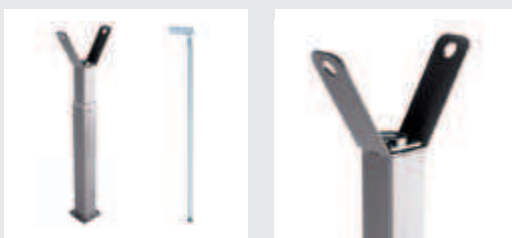
L = 2 m, painted red/white.



*Available for Ditec Qik only

Fixed and moving mounting

Fixed mounting to be installed on the ground, moving mounting to attach to the arm.



*Available for Ditec Qik only

