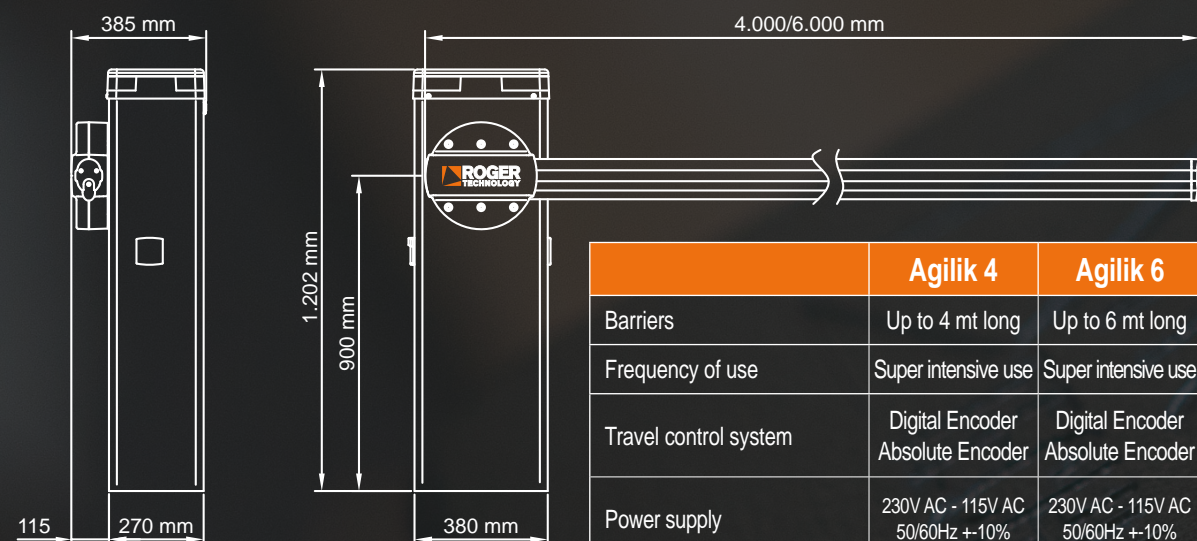


## AGILIK TECHNICAL FEATURES



ROGER TECHNOLOGY

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# THE FIRST AUTOMATIC BARRIER WITH DIGITAL THINKING

DIGITAL  
BRUSHLESS MOTOR



NO LIMIT USE



EXTRA LOW  
CONSUMPTION



MAXIMUM  
DIGITAL CONTROL





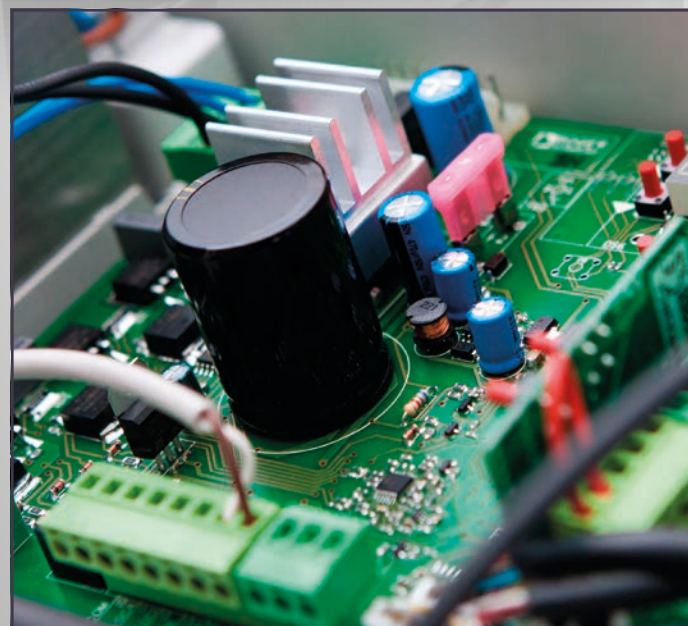
### AGILIK: THE AUTOMATIC DIGITAL BARRIER

Strong but elegant with a modern design and above all else with our new innovative digital **Brushless** motor. This is the new **Agilik**, the new automatic barrier designed and fully manufactured in the Italian factories of **Roger Technology**. This unique barrier is suitable for all professional installations in the residential, commercial and industrial sectors. The **Agilik** represents the first automatic barrier with digital processing due to its **Brushless** motor 36V with permanent magnetic field. The position of the beam is continually monitored in all positions with its absolute encoder. The revolutionary three-phase **Brushless** motor allows unlimited use of the barrier and has ultra low power consumption. The efficient motor guarantees very intensive use due to the gears with helicoidal and angled teeth.



### NEW ELECTRONIC BOARD WITH BRUSHLESS CONTROL

The new **Brushless** control panel represents the new generation of electronic boards, designed to manage all types of safety whilst monitoring the movement of the barrier. Without a traditional relay and due to the revolutionary Mosfet System, the new sinusoidal **Brushless** controller 36V DC with field-orientated sensory control will detect obstacles instantly. It will allow for instant inversion, manage the speed control, slowdown and impact force whilst analysing the consumption, rpm and the absorption of the motor during its operation. The advanced absolute encoder installed in the slow shaft of the motor allows for the return to normal functions of the barrier without repeating the re-learning process in the case of power failure or manual release.



### STURDY STRUCTURE



All the materials used, steel and bronze are of exceptional prime quality ensuring the automation is strong, robust and very stable during its operation.

### LED LIGHTING



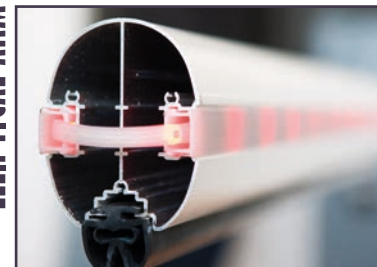
Elegant LED flashing circuit located in the four corners of the barrier configurable by the control unit.

### CONTROL UNIT



Easy to access due to its positioning in the upper part of the body- this enables the total and precise management of the barrier by the digital control unit.

### ELLIPTICAL ARM



Aluminium arm with windproof elliptical section and centre rib, designed to be even more stable and robust. LED lights signal are integrated and configurable from the control unit.

### PROTECTION COVER



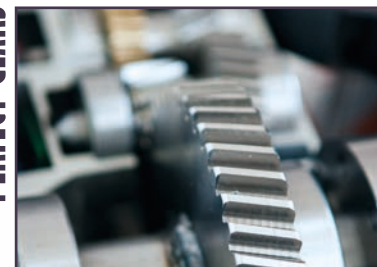
Double protection cover made from pressure die-casting aluminium available in different colours. Directly connected to the gearbox with special stop bolts produced by **Roger Technology**.

### GEAR MOTOR



The gear motor is a jewel of design, completely made in aluminium, steel and bronze. With all of the helicoidal gears assembled on the high quality bearings and then inserted in precise worked seats, it is possible to obtain absolute precision along the axes of the gears.

### PERFECT GEARS



The motor and all of the gears are produced and manufactured in the **Roger Technology** factories. They are rigorously tested and manufactured in steel and bronze with helicoidal teeth which are angled at 15 degrees to ensure perfect movement during operation.

### TOTAL CONTROL IN GRADES



The angle of the arm is directly managed by the control unit. Some of the parameters in digital mode are used to regulate in tenths, the gradient of the arm during installation, opening and closing, working use and maintenance.

### INNOVATIVE RELEASE SYSTEM



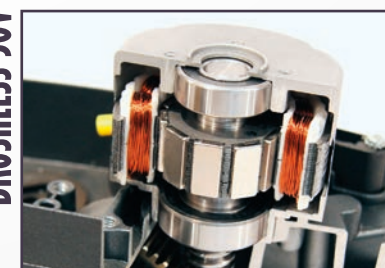
Mechanical manual release system with key to enable the barrier to be unlocked as required.

### BALANCING SYSTEM AND SPRING



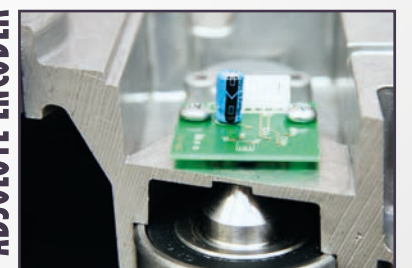
Springs are available in different types according to the length of the arm and are certified for millions of operations. The mechanical balancing system is enhanced by the use of adjustable mechanical stops.

### BRUSHLESS 36V



Revolutionary and innovative digital motor. The Brushless motor 36V with permanent magnetic field and encoder allows for the intensive use of the barrier with the benefit of ultra low power consumption.

### ABSOLUTE ENCODER



Powerful, innovative and precise, the absolute encoder is assembled on the slow shaft of the motor. The barrier will start perfectly after a power failure or if manually released, without the process of re-learning.