

DOORHAN®

BARRIERS



STEEL GALVANIZED
CASE



INCREASED SERVICE
LIFE



STABLE AND LONG
WORK



BARRIERS

Barriers are an optimal solution for vehicle access control within the fenced areas and protected sites (industrial, warehouse, retail, and office areas, parking lots, parking areas, etc.). Operating temperature range from -40 to +55 °C allows you to use them in different climatic zones. Wide operating voltage range (from 180 to 240 V) allows using barriers in the networks with unstable voltage.

MODEL RANGE



- Barrier-3000 — barrier with boom length 3000 mm
- Barrier-4000 — barrier with boom length 4000 mm.
- Barrier-5000 — barrier with boom length 5000 mm.
- Barrier-6000 — barrier with boom length 6000 mm.



All barrier components are made of high quality materials and comply with Directive 2002/95/EC (RoHS) limiting the content of harmful substances.



APPEARANCE



Barrier is packed in a box with a foam filling, which ensures its safety during transportation.



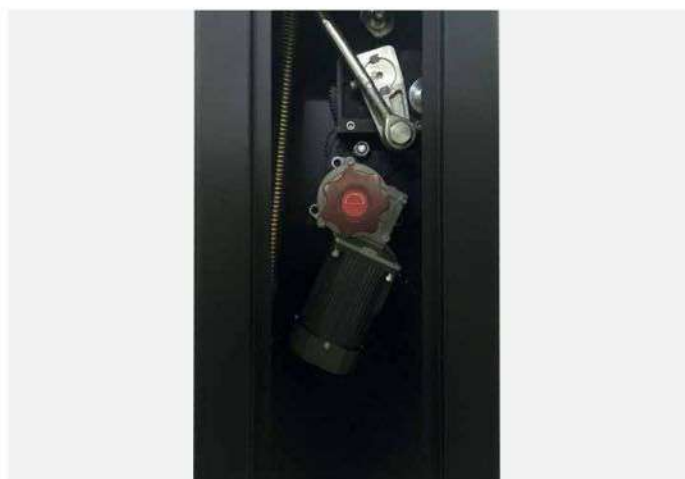
The control board has its own plastic body that protects it against accidental contact with current-carrying elements, providing additional safety in barrier operation.



Barrier body is made of steel sheet of 1.8 mm thickness, and has reinforced stiffening ribs located inside, which provide a high durability.



PLANTS



A special release mechanism allows you to lift and lower the boom manually, in case of power failure. The release system is located inside the body and is protected by a steel cover with a lock.

The gear motor with release mechanism, the balancing mechanism, mechanical limit switches, and the control board are located inside the body.



The built-in fan inside the body, prevents overheating of the motor allowing the boom to operate at high intensity (70 %).

The gear motor made of high-strength bronze alloy is designed for the entire service life.

The simplicity of design of a single-phase asynchronous motor ensures high operational reliability.

All barrier components are optimally matched to booms of above stated length and ensure a reliable operation of the mechanisms for the whole service life, which is more than 1 000 000 cycles of opening/closing, subject to simple technical regulations.



To quickly identify barrier warranty period, production date, time, place of sale, as well as warranty card numbers — special marking is located on the body. The availability of this information is significantly reducing the standard execution time of warranty works.

When the barrier reaches 125 °C during heavy use, thermal protection is triggered and the barrier is turned off, protecting the motor from overheating and failure.

BOOM



The boom is made of durable aluminium profile with 1.4 mm wall thickness, and reinforced inside with additional stiffeners. Boom profile has rounded edges providing high resistance to wind loads.

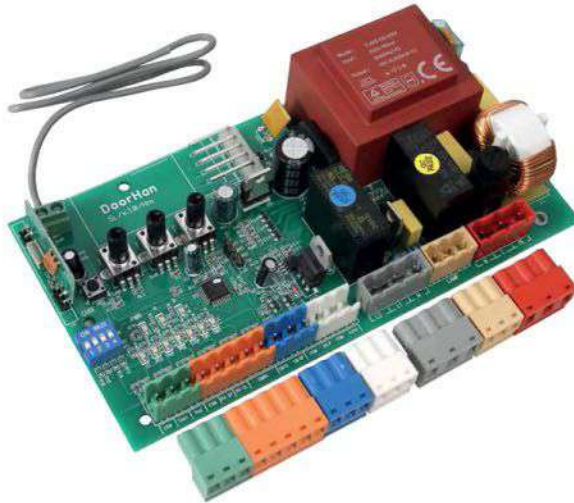


Special reflective strips that are well visible in the dark are applied on the surface of the boom. This eliminates the need for additional electric power supply which greatly simplifies installation and saves energy. “Boom lightening” kit can be connected (optional).

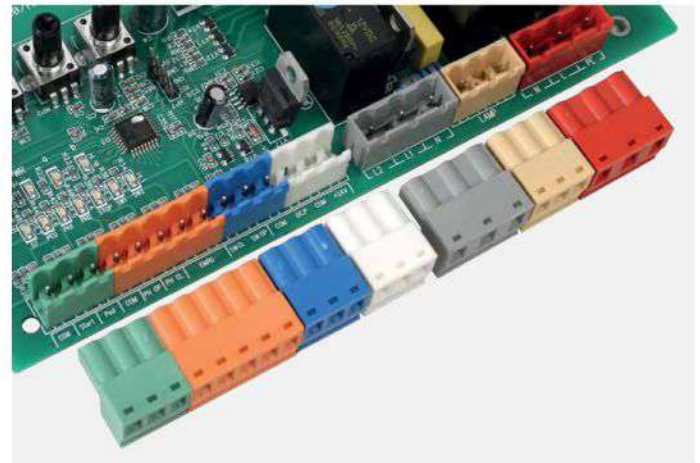
Special rubber seal provided on the bottom part of the boom significantly softens the contact, in case a person or an object stands in the operating area.

CONTROL BOARD

Barrier control board is designed according to the latest requirements of electromagnetic compatibility, and includes all the necessary EMI filters. Filters allow barrier to continuously operate when exposed to unintentional radio interference, and prevent the occurrence of interference from other technical reasons.



Barrier control board is made in accordance with all applicable safety standards.



The advantage of the control board is the ease of barrier configuration. All terminals on the board are marked for easy connection.

Easily removable terminals greatly simplify connection process.

Availability of connector allows you to connect a large number of additional control and safety devices such as photocells, which can be connected to both the opening and closing of the barrier.


CERTIFICATES



BARRIER-3000/4000/5000/6000



TECHNICAL SPECIFICATIONS	BARRIER-3000	BARRIER-4000	BARRIER-5000	BARRIER-6000
Supply voltage, V			220-240	
Power frequency, Hz			50/60	
Maximum power consumption, W			220	
Maximum boom length, mm	3000	4000	5000	6000
Boom type		Aluminum: oval, oval with LED light		
Overall dimensions, mm		270 × 1015 × 140		
Number of springs		1		2
Opening time, sec	1.8	3.5	4.5	6
Intensity, %			70	
Temperature range, °C			-40...+55	
Degree of protection			IP54	

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