DOORHAN®

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GATE BARRIER

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BARRIERS

Barrier

AUTOMATION BARRIERS

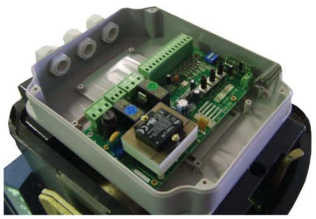
This electromechanical barrier controls vehicle access points with an opening up to 6 meters. The barrier consists of a boom and a casing. The casing contains a motor-reducer, a balancing mechanism and a control board. The barrier's motor-reducer construction guarantees its use in high-intensity environments, and its reinforced reducer ensures barriers are highly reliable over a long working life.

DoorHan barriers work perfectly in severe operating conditions and conform to all safety requirements.

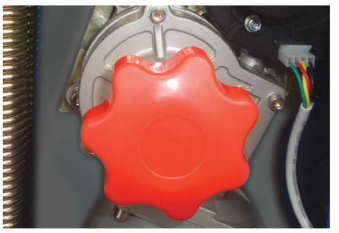
- Heavy duty gear wheels on the reducer.
- Non-contact magnetic limit switches.
- Bottom profile made of frost-resistant polymer.
- Supports additional devices.
- Withstands high frequency use.
- Barrier can be easily released and operated manually.
- More than 1,000,000 cycles of closing/opening (when operating conditions are met).

Balancing mechanism of the barrier has two specially selected springs that significantly lessen the load on the load-bearing elements of the operator

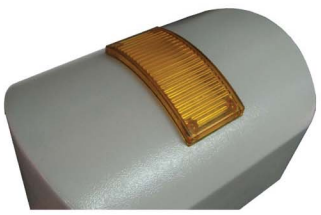
Electrical operator constructed with low-sensitivity balance adjustment, simplifying startup.



Control board which meets all required safety conditions. Easily accessible for connecting and adjusting.



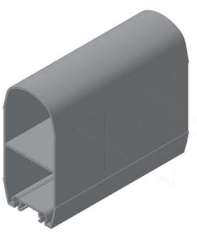
Barrier can be easily released and operated manually if power fails



Failure built-in LED lamp

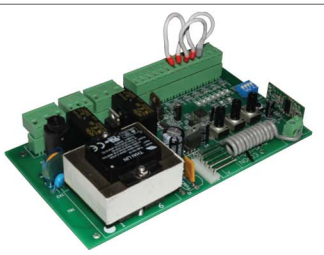
Rubber boom cover

Anti-vandal metal body



Strong aluminium profile

Dismountable clamps for easy connection



Built-in receiver

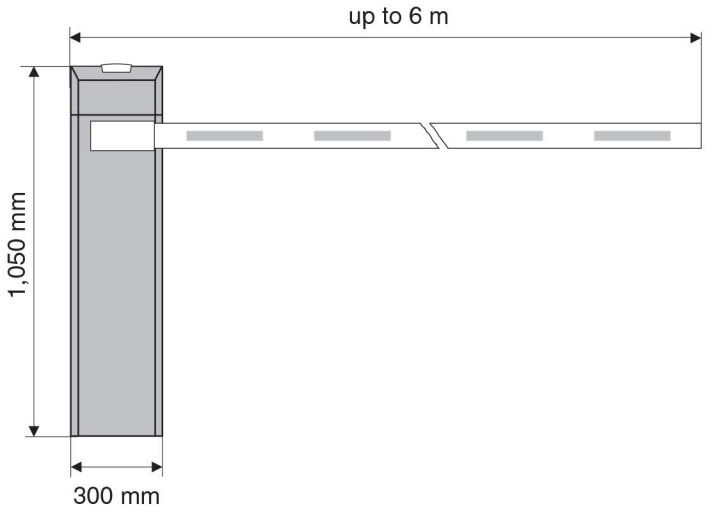
Technical specifications

Model	Barrier
Maximum beam length (two springs)	6 m
Opening time	5–7 s
Power supply	230 V
Type of beam	Rectangular, aluminium
Use frequency (t = 20°C)	70%
Dimensions, mm	270×1015×140
Motor rotation speed	1400 rpm
Consumed power	220 W
Thermal protection	120°C
Operating ambient temperature	from –40° to +55°C (from –60°C — with thermal heater)
Protection rating	IP54
Limit switches	magnetic switch; mechanical stop

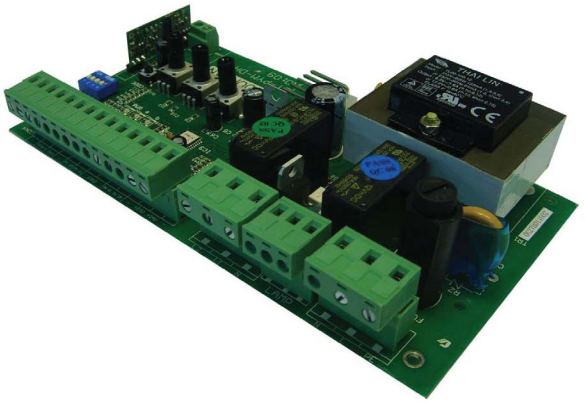
Parts kit

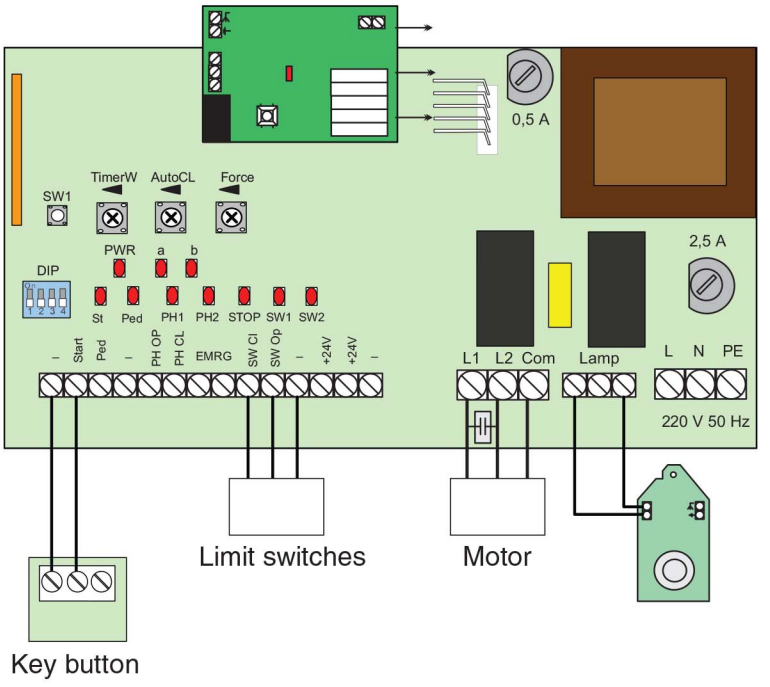
1. 1 casing with built-in control board
2. 1 instruction manual
3. 1 key button
4. 1 photocell
5. 1 signal lamp
6. 1 boom
7. 1 fixing kit
8. 1 beam holder

Dimensions, mm



Control board PCB-SL





Accessories

LAMP-LED

A safety device that flashes when the door is in motion. Depending on the device to which it is connected, the lamp may flash a defined time before the door starts to move.

TRANSMITTER 4

Used for DoorHan automatics or any other device that has the DoorHan radio receiver control. Control up to four different devices (gates, barriers etc.) with a single transmitter.

SWM

Directs the drive control unit. The key button has two positions, one for opening and the other for closing, that control the contacts of the microswitches. Turning the key sends a directive; releasing the key returns the operator to its previous state.

PHOTOCELL-N

A safety device consisting of an infrared transmitter and a receiver, installed in a gate opening. If an infrared beam is interrupted, the control board receives a signal indicating an obstruction in the area of automatics operation, and the system reacts as it was preset by the operation logic to do: stop or reverse the door.

KEYSWITCH

Transmits signals to the operator's control board. A DIP switch provides step-by-step control of the door, enabling it to open, close, or stop. Commands are issued by turning the key; releasing the key reverts to the previous state. Connection can be either NO or NC contacts.

DHRE-2

Designed to control other manufacturers' automatics that have a DoorHan transmitter. The receiver can be connected to any operator with normal open (NO) control contacts. This receiver works at a frequency of 433 MHz and has two channels, allowing it to control one or two operators.

KEYPAD

Used to remotely control a door operator or any other device equipped with a DoorHan receiver.

BOX

Compact and stylish protection for the control board. Made of high-tech plastic to prevent damage and impact of environment.

Accessories

LAMP-LED

A safety device that flashes when the door is in motion. Depending on the device to which it is connected, the lamp may flash a defined time before the door starts to move.

TRANSMITTER 4

Used for DoorHan automatics or any other device that has the DoorHan radio receiver control. Control up to four different devices (gates, barriers etc.) with a single transmitter.

PHOTOCELL

A safety device consisting of infrared transmitter and receiver, installed in a gate opening. If the infrared beam is interrupted, the control board receives a signal indicating an obstacle is in a dangerous area of an automatic system operation, and the system reacts as it was preset by the operation logic to do: stop or reverse the gates.

V-HOLDER

Stationary support of the barrier's beam. When closed, used for positioning the beam. Minimizes wind load.

KEYSWITCH

Transmits signals to the operator's control board. A DIP switch provides step-by-step control of the door, enabling it to open, close, or stop. Commands are issued by turning the key; releasing the key reverts to the previous state. Connection can be either NO or NC contacts.

KEYPAD

Key-operated push-button KEYSWITCH transmits signals to the operator's control board. A DIP-switch provides step-by-step control of the door enabling its opening, closing, and stopping. In order to give a command, just turn the key.

DHRE-2

Designed to control other manufacturers' automatics that have a DoorHan transmitter. The receiver can be connected to any operator with normal open (NO) control contacts. This receiver works at a frequency of 433 MHz and has two channels, allowing it to control one or two operators.

ACCESS CONTROL SYSTEMS

DoorHan offers two types of access control systems: simple access control systems are self-contained controllers, network access monitoring and control systems store user data, access rights, etc. in a computer.

Installation diagram

1. Casing
2. Control panel
3. Beam
4. Red phosphorescent strips
5. Flashing lamp
6. Safety cover of boom fixing
7. Boom holder