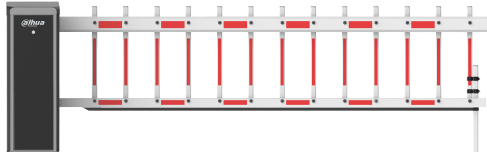


DHI-IPMECD-1053-RM45-T60

Barrier



Series Overview

The Boom Gate helps control the flow of vehicles accessing parking lots and other related scenes. It consists of a top cover, case, transmission mechanism, control box, and arm. To meet the needs of different locations, it comes in 4 different styles: straight arm, telescopic arm, folding arm and fence arm.

Functions

Brushless DC Motor

Equipped with an integrated DC brushless motor, it is highly stable, quiet and has a long lifespan.

Secure and Reliable

As it is powered by 24 VDC low voltage, it is both secure and stable.

Multi-dimensional Anti-smashing

It supports anti-smash through external radar and loop. The arms are also designed with elastic anti-smashing rubber strips at the bottom, and automatically rise when vehicles approach and fall when vehicles depart.

High Quality

The anti-corrosive case is made of cold-rolled plate and underwent the metal stamping process, making it strong and highly durable. It is strong enough to resist impacts of different strengths and is resistant to deformation. It is IP54 rated, making it suitable for use outdoors in different weather types.

- Comes with the barrier host. The arm is not included.
- Features a durable, corrosion-resistant metal housing and supports right-handed fence arms.
- 24 VDC brushless motor that consumes very little power, is quiet, highly secure, stable and efficient.
- Compatible with right-handed 4.5 m (14.76 ft) fence arms. The arms are sold separately.
- The speed and position at which the barrier rises and falls is adjustable.
- Digital screen that displays the error code and operation status of the device.
- Supports external radar, loop, and the IR anti-smashing function. It also has a built-in 12 VDC output for powering the external radar.
- Automatically rises when the barrier arm makes contact with an object.
- Supports manually rising the barrier after a power failure.
- With rolling code technology, the device is highly secure and supports remote control at a maximum distance of 50 m (164.04 ft).
- Enters fleet mode by remote control to allow multiple vehicles to pass.
- Counts the number of times the barrier rises and falls.
- Supports configuring the time and speed for delaying the barrier to fall.
- The motor can withstand 3 million uses.
- The spring can withstand 600,000 uses.
- Operating temperature: -35°C to $+65^{\circ}\text{C}$ (-31°F to $+149^{\circ}\text{F}$).
- Operating humidity: 10%–90%.
- External voltage: 220 VAC $\pm$ 10% or 110–120 VAC (it can be changed with the DIP switch).
- Operating voltage: 24 VDC.
- IP54 rated.

Scene

Suitable for use in entrances and exits of office and government buildings, hotels, scenic spots, schools, residential areas, airports, factories and more.

Technical Specification	
Basic	
Arm Type	Fence Arm Barrier
Arm Length	4.5 m (14.76 ft)
Arm Model	IPMECD-0153-RM45
Opening Time	6 s
Motor Type	DC brushless
Spring	2 × 6.0 mm (0.24") springs
Sub 1G Modulation Type	ASK
Sub 1G Frequency Range	433.82 MHz–434.02 MHz
Sub 1G Power Transmission	433.82 MHz–434.02 MHz@-10 dBm
Port	
RS-485	1
I/O	9
Status Output	2 channels. Outputs signals when the arm is in the open or closed position.
Function	
Anti-drop	Yes, can be realized by connected radar, loop, or IR.
Auto Lifting against Obstruction	Yes
Count Mode	Yes
Hand Crank Control in Power Failure	Yes
Limit Description	Adjustable
Remote Control	Supports remote control at a maximum distance of 30 m (98.43 ft) when there is no interference.
Number of Pairable Remote Controllers	30
Power Output	12 V ± 5% (1A)
General	
Power Supply	220 VAC ± 10%/110 VAC ± 10% (can be changed with the DIP switch)
Power Consumption	< 200 W
Spring Lifespan	600,000 times
Motor Lifespan	3 million times
Operating Temperature	–35 °C to +65 °C (–31 °F to +149 °F)
Storage Temperature	–35 °C to +65 °C (–31 °F to +149 °F)
Operating Humidity	10%–90% (RH), non-condensing
Storage Humidity	10%–90%, non-condensing
Protection	IP54
Product Dimensions	335.0 mm × 285.0 mm × 930.0 mm (13.19" × 11.22" × 36.61") (L × W × H)
Packaging Dimensions	1,020.0 mm × 365.0 mm × 470.0 mm (40.16" × 14.37" × 18.50") (L × W × H)

Net Weight	40.0 kg (88.18 lb)
Gross Weight	45.0 kg (99.21 lb)
Installation	It can be secured with screws at the bottom.

Ordering Information		
Type	Model	Description
Barrier	DHI-IPMECD-1053-RM45-T60	Barrier
Accessories (Optional)	IPMECD-0153-RM45	Barrier Rod

Accessories

Optional:



IPMECD-0153-RM45
Barrier Rod

Dimensions (mm[inch])

