DHI-IPMECD-206E-RS-ML

Telescopic Straight Arm Barrier

Series Overview

The Barrier was expertly developed with a springless design and integrated LED Display that shows access information. It is also highly flexible as it intelligently adapts to the various lengths of barrier arms. The direction can be effortlessly switched between left and right, and it can be seamlessly configured on the app through Bluetooth. In the event of a power failure, the barrier arm can be manually lifted, ensuring seamless passage at entrances and exits. Engineered with a professional appearance, it is ideal for use at the entrances and exits of parking lots, hotels, schools, residential areas, and businesses.

Functions

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

App Control
The barrier can be conveniently configured and debugged through the app, allowing you to open and close it, view operation logs, and perform firmware updates.

Self-Adaptive Module
The springless design significantly extends the lifespan of the module. Coupled with the adaptive control algorithm, it can accommodate various types and lengths of arms without the need for manual debugging. It is ready to use upon installation, ensuring stable and reliable operation.

- The arm is not included in the barrier.
- The springless barrier features an omnidirectional telescopic straight arm, allowing for customized settings for both left and right operation, with quick switching between the two directions (right by default).
- 24 VDC brushless motor that is quiet, highly secure, low power consumption, stable and efficient.
- 2.7 m–4.5 m (8.86 ft–14.76 ft) telescopic straight arm that can be adjusted according to its rising speed.
- It opens and closes in just 2-6 seconds.
- Automatically rises when the barrier arm makes contact with an object.
- The speed and position at which the barrier rises and falls is adjustable.
- Supports remote control at a maximum distance of 40 m (131.23 ft) in open space.
- Supports peripheral connection for loop, IR, and radar anti-smashing.
- It also has a built-in 12 VDC output for powering the external radar.
- The camera can be connected via the RS-485 port, and the barrier status, including the number of operations, operating status, operation log can be read on the camera's web interface.
- Operating temperature: −35 °C to +65 °C (−31 °F to +149 °F).
- Operating voltage: 220 VAC–240 VAC. Motor can withstand 3.5 million uses.

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.

Scene

Suitable for use in entrances and exits of parking lots, hotels, schools, residential areas, office and government buildings and more.

Technical Specification

Basic

Arm Type	Straight Arm Barrier;Telescopic Arm Barrier
Arm Length	Straight arm: 2.7 m–4.5 m (8.86 ft–14.76 ft)
Arm Model	IPMECD-S-ML-M30; IPMECD-S-ML-M40; IPMECD-S-ML-M2745
Opening Time	2 s–6 s (adjust speed according to the length and weight of the arm)
Motor Type	DC brushless
Rotational Speed	2000 RPM
Transmission Ratio	150:1
Bluetooth Standard	GFSK, π/4-DQPSK
Bluetooth Frequency Range	NA2.402 GHz–2.480 GHz ISM band
Bluetooth Power Transmission	-15.7 dBm to +6.4 dBm
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, 1 for full open and 1 for full close

Function

Anti-drop	Supports peripheral connection for loop, IR, and radar anti-smashing
Auto Opening in Power Failure	No
Auto Lifting against Obstruction	Yes
Anti-collision	No
Count Mode	Yes
Hand Crank Control in Power Failure	Yes
Limit Description	Open/Close limit position adjustable
RS-485 Log	Obtain the log via the RS-485 port, including the number and type of operations, and erroe codes
Remote Control	Supports remote control at a maximum distance of 40 m (131.23 ft) in open space
Number of Pairable Remote Controllers	40 (2 remote controls as standard at the factory)
Left and Right Interchangeable	Yes
Power Output	12 V±5% (up to 1 A)

General

Power Supply	220–240 VAC
Power Consumption	< 210 W
Motor Lifespan	3.5 million uses
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% (RH), non-condensing
Wind-proof (Wind Scale)	6
Protection	IP54
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.
Product Dimensions	340.0 mm × 260.0 mm × 978.0 mm (13.39" × 10.24" × 38.5") (L × W × H)
Packaging Dimensions	1073.0 mm × 435.0 mm × 435.0 mm (42.24" × 17.13" × 17.13") (L × W × H)
Net Weight	35.1 kg (77.38 lb)
Gross Weight	42.9kg (94.58 lb)
Installation	Fix and install the bottom of barrier with expansion screws

Ordering Information

Type	Model	Description
Barrier	DHI-IPMECD-206E-RS-ML	Telescopic Straight Arm Barrier
Accessories (Optional)	IPMECD-S-ML-M30	Straight Arm
	IPMECD-S-ML-M2745	Telescopic Straight Arm
	IPMECD-S-ML-M40	Straight Arm
	DHI-IPMECD-01-RC	Remote Control

Accessories

Optional:

DHI-IPMECD-01-RC
Remote Control

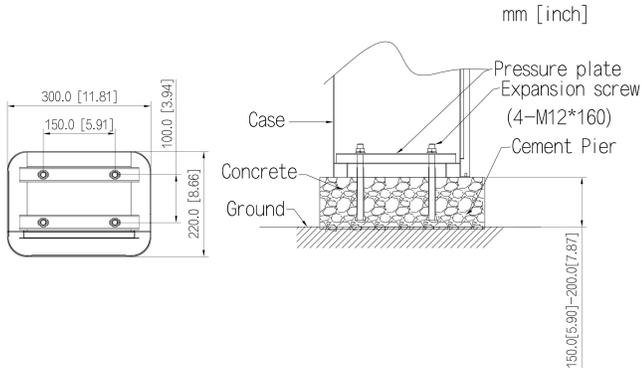IPMECD-S-ML-M2745
Telescopic Straight Arm

IPMECD-S-ML-M30
Straight Arm

IPMECD-S-ML-M40
Straight Arm

mm [inch]

Dimensions (mm[inch])

mm[inch]