

# DHI-IPMECD-2067-R

## Cylinder 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

#### 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.

#### 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.

- The arm is not included in the barrier gate controller.
- The springless barrier features a cylinder arm on the right, 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.
- 3 m–4 m (9.84 ft–13.12 ft) cylinder arm that can be adjusted according to its rising speed. It opens and closes in just 1.4-6 sec.
- Automatically rises when the barrier arm makes contact with an object.
- Automatically rises during a power failure.
- The speed and position at which the barrier rises and falls is adjustable.
- Supports remote control at a maximum distance of 50 m (164 ft) in open space.
- Supports external radar, loop, and the IR anti-smashing function. 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: -40 °C to +70 °C (-40 °F to +158 °F).
- Operating voltage: 100–264 VAC.
- Motor can withstand 6 million uses.

### Scene

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

## Barrier | DHI-IPMECD-2067-R

### Technical Specification

#### Basic

|                              |                                                                  |
|------------------------------|------------------------------------------------------------------|
| Arm Type                     | Cylinder Arm Barrier                                             |
| Arm Length                   | cylinder arm: 3 m–4 m (9.84 ft–13.12 ft)                         |
| Arm Model                    | IPMECD-0267-M30<br>IPMECD-0267-M40                               |
| Opening/Closing Time         | 1.2 sec–4 sec ( speed is measured by the arm length and weight ) |
| Motor Type                   | DC brushless                                                     |
| Rotational Speed             | 2000 RPM                                                         |
| Transmission Ratio           | 88:1                                                             |
| Bluetooth Standard           | GFSK, $\pi/4$ -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           | 1                                                                            |
| Status Output | 2 channels. One channel is fully open and the other channel is fully closed. |

#### Function

|                                       |                                                                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anti-drop                             | Supports loop, IR and radar anti-smashing function.                                                                                                                |
| Auto Opening in Power Failure         | Yes                                                                                                                                                                |
| Auto Lifting against Obstruction      | Yes                                                                                                                                                                |
| Anti-collision                        | Yes                                                                                                                                                                |
| Count Mode                            | Yes                                                                                                                                                                |
| Hand Crank Control in Power Failure   | Yes                                                                                                                                                                |
| Limit Description                     | The position at which the barrier rises and falls is adjustable.                                                                                                   |
| RS-485 Log                            | Access operation log information through the RS-485 port, the information includes the number of opening barrier, the type of opening barrier, error code and more |
| Remote Control                        | Supports remote control at a maximum distance of 50 m (164 ft) in open space.                                                                                      |
| Number of Pairable Remote Controllers | Includes 2 remote controls, and supports up to 40                                                                                                                  |
| Left and Right Interchangeable        | Yes                                                                                                                                                                |
| Power Output                          | 12 V $\pm$ 5% (Max: 1 A)                                                                                                                                           |

### General

|                       |                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| Power Supply          | 100–264 VAC                                                                                                       |
| Power Consumption     | < 360 W                                                                                                           |
| Motor Lifespan        | 6 million times                                                                                                   |
| Operating Temperature | –40 °C to +70 °C (–40 °F to +158 °F)                                                                              |
| Storage Temperature   | –40 °C to +70 °C (–40 °F to +158 °F)                                                                              |
| Operating Humidity    | 10%–90% (RH), non-condensing                                                                                      |
| Storage Humidity      | 10%–90% (RH), non-condensing                                                                                      |
| Protection            | IP54                                                                                                              |
| Anti-corrosion Level  | Basic Protection                                                                                                  |
| Product Dimensions    | 340.0 mm $\times$ 260.0 mm $\times$ 978.0 mm (13.39" $\times$ 10.24" $\times$ 38.50") (L $\times$ W $\times$ H)   |
| Packaging Dimensions  | 1,058.0 mm $\times$ 375.0 mm $\times$ 425.0 mm (41.77" $\times$ 14.76" $\times$ 16.73") (L $\times$ W $\times$ H) |
| Net Weight            | 37.6 kg (82.92 lb)                                                                                                |
| Gross Weight          | 43.2 kg (95.52 lb)                                                                                                |
| Installation          | Bottom-mounted with expansion bolts                                                                               |

### Ordering Information

| Type    | Model             | Description          |
|---------|-------------------|----------------------|
| Barrier | DHI-IPMECD-2067-R | Cylinder Arm Barrier |

### Accessories

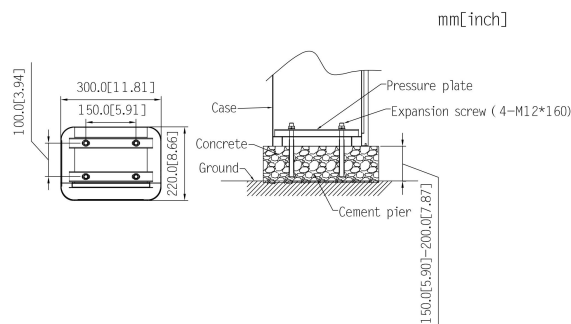
#### Optional:



IPMECD-0267-M30  
Barrier Rod



IPMECD-0267-M40  
Barrier Rod



Dimensions (mm[inch])

