

DHI-IPMECD-2031-RM2020-T20

Right folding arm Variable frequency motor Barrier host 2m -2m (2s)



Technical Specification

Basic

Arm Type	Folding Arm Barrier
Arm Length	4 m (13.12 ft) (main part: 6.56 ft; sub part: 6.56 ft)
Arm Model	Folding arm, 2 m (6.56 ft) on each side
Opening Time	2 s
Motor Type	DC brushless
Sub 1G Modulation Type	ASK
Sub 1G Frequency Range	433.92 MHz
Sub 1G Power Transmission	433.92 MHz@-108 dBm

Port

RS-485	1
RS-232	1 (Ethernet extension module port)
I/O	5 (Rise, fall, ground loop 1, ground loop 2, anti-smashing)
Status Output	3 × channels (Open position, closed position and traffic light)

Function

Anti-drop	Yes (Anti-smashing capability through external radar, loop, or IR devices)
Auto Opening in Power Failure	Yes
Auto Lifting against Obstruction	Yes
Count Mode	Yes

- Comes with the barrier host. The arm is not included.
- Applicable to scenarios where the average daily traffic flow reaches around 2000 vehicles.
- Features a metal housing and supports right-handed folding arms.
- Compatible with 4 m (13.12 ft) folding arms (the main and sub parts are 2 m (6.56 ft) respectively). The arms are sold separately. Designed with anti-smashing rubber strips. Opens and closes in just 2 s.
- Rises automatically during a power failure.
- Brushless DC inverter servomotor lifespan: 5 million cycles.
- Spring lifespan: 1 million cycles.
- Anti-smashing is supported by the external radar, loop and IR device. Also, embedded 12 VDC output supplies power to the radar.
- Supports remote control at a maximum distance of 50 m (164 ft) when there is no interference.
- Operating temperature: -40 °C to +70 °C (-40 °F to +158 °F).
- Operating voltage: 86–264 VAC.
- Operating power: 75 W.
- IP54 rated.
- The speed at which the barrier rises and falls is adjustable.

Hand Crank Control in Power Failure	Yes
Limit Description	90° (Not adjustable)
RS-485 Log	Yes. Obtains the barrier log through the RS-485 port, including the times and type that the barrier opens, and the error code.
Remote Control	Supports remote control at a maximum distance of 50 m (164 ft) when there is no interference.
Power Output	12 V ± 5% (Maximum 1.5 A)

General

Power Supply	86–264 VAC
Power Consumption	< 400 W (Maximum power consumption at 220 VAC)
Spring Lifespan	1 million cycles
Motor Lifespan	5 million cycles
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Humidity	10%–90% (RH), non-condensing
Protection	IP54
Product Dimensions	332 mm × 330 mm × 1,000 mm (13.07" × 12.99" × 39.37") (L × W × H)
Packaging Dimensions	460 mm × 400 mm × 1,115 mm (18.11" × 15.75" × 43.90") (L × W × H)

DHI-IPMECD-2031-RM2020-T20

Net Weight	49.0 kg (108.03 lb)
Gross Weight	53.6 kg (118.17 lb)
Installation	Ground mount

Ordering Information		
Type	Model	Description
Barrier	DHI-IPMECD-2031-RM2020-T20	Right folding arm Variable frequency motor Barrier host 2m -2m (2s)
Accessories (Optional)	IPMECD-0231-M2020	Folding arm 2m-2m

Accessories

Optional:



IPMECD-0231-M2020
Folding arm 2m-2m

Dimensions (mm[inch])

