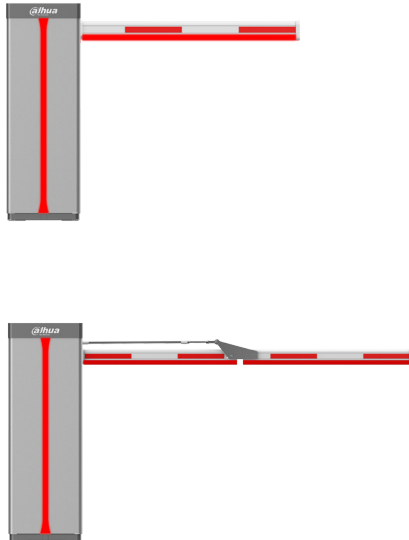


DHI-IPMECD-302X

Straight Arm/Folding Arm Barrier



- Attractive housing with sheet metal and an aluminum profile design.
- Designed with anti-smashing adhesive tape made of polymer polyurethane material, the arm is safe, stable and has a long service life.
- Supports being connected to an anti-smashing radar, loop and IR device, and has a built-in 12 VDC motherboard that can power the radar.
- Developed with an LED light belt, the housing and straight arm appear red when the arm falls, and green when it rises.
- Automatically rises when the barrier arm makes contact with an object.
- Rises automatically during a power failure.
- With rolling code technology, the barrier supports remote control at a maximum distance of 50 m (164 ft) when in an open environment that does not have interference.
- Motor lifespan: 5 million cycles.
- Spring lifespan: 5 million cycles.
- Operating temperature: -40°C to $+70^{\circ}\text{C}$ (-40°F to $+158^{\circ}\text{F}$).
- Operating humidity: 10%–90%.
- IP55 rated.

System Overview

Highly durable, the Straight Arm/Folding Arm Barrier is both stable and safe to use, coming with a long service life. It is composed of five parts: the cover, housing, transmission unit, control unit, and an arm which can be set on the left or right. Two models of the barrier are available. One is the straight arm with a light belt included at the bottom of the arm, and the other is a folded arm. Both can be used along with a radar to help prevent objects from colliding with the barrier.

Scene

It is suitable for use in public places and for access control into the parking lots of office buildings, hotels, tourist attractions, government structures, schools, communities, airports, factories, and more.

Technical Specification

Basic

Arm Type	Straight arm, Folding arm
Arm Length	Straight arm: 3 m (9.84 ft); 4 m (13.12 ft); 5 m (16.40 ft); 6 m (19.68 ft) Folding arm: 3 m (9.84 ft); 4 m (13.12 ft)
Arm Model	IPMECD-032X series
Opening/Closing Time	Straight arm: 3 m (9.84 ft): 0.9 s; 4 m (13.12 ft): 2 s; 5 m (16.40 ft): 3 s; 6 m (19.68 ft): 3 s Folding arm: 3 m (9.84 ft): 0.9 s; 4 m (13.12 ft): 2 s
Motor Type	AC variable
Spring	3 m (9.84 ft): 1 × 5.2 mm red spring 4 m (13.12 ft): 1 × 6.3 mm blue spring 5 m (16.40 ft): 1 × 5.2 mm red spring, 1 × 6.3 mm blue spring 6 m (19.68 ft): 1 × 5.2 mm red spring, 2 × 6.3 mm blue spring

Port

Status Output	2 channels. Outputs signals when the arm is in the open or closed position.
---------------	---

Function

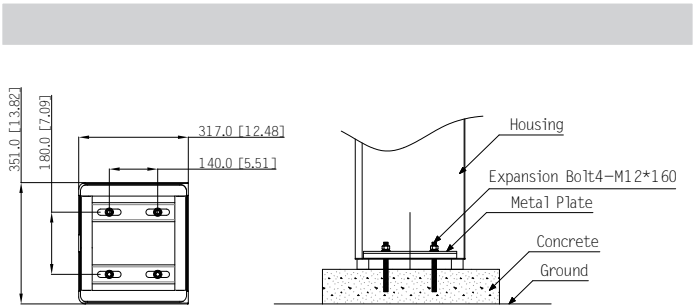
Anti-drop	Yes. Loop, IR, and radar anti-smashing.
Auto Opening in Power Failure	Yes
Auto Lifting against Obstruction	Yes
Anti-collision	Supports colliding with objects up to 4 m high.
Count Mode	Yes

Access Barrier Series | DHI-IPMECD-302X

Limit Description	90° (not adjustable)
Remote Control	Supports remote control at a maximum distance of 50 m (164 ft) when there is no interference.
Power Output	12 V, 1 A
General	
Power Supply	220 VAC ± 10%, 110 VAC ± 10%
Power Consumption	<200 W
Spring Lifespan	5 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	IP55
Product Dimensions	355.5 mm × 321.5 mm × 1,029.7 mm (14.00" × 12.66" × 40.54") (L × W × H)
Net Weight	55 kg–60 kg (121.25 lb–132.28 lb)
Gross Weight	71 kg–76 kg (156.53 lb–167.55 lb)
MTBF (hrs)	50000

Ordering Information		
Type	Model	Description
Boom Barrier	DHI-IPMECD-3021-RM1515-T09	Right folding arm barrier 1.5 m–1.5 m (0.9 s)
	DHI-IPMECD-3021-LM1515-T09	Left folding arm barrier 1.5 m–1.5 m (0.9 s)
	DHI-IPMECD-3021-RM1525-T20	Right folding arm barrier 1.5 m–2.5 m (2 s)
	DHI-IPMECD-3021-LM1525-T20	Left folding arm barrier 1.5 m–2.5 m (2 s)
	DHI-IPMECD-3022-RM30-T09	Right straight arm barrier 3 m (0.9 s)
	DHI-IPMECD-3022-LM30-T09	Left straight arm barrier 3 m (0.9 s)
	DHI-IPMECD-3022-RM40-T20	Right straight arm barrier 4 m (2 s)
	DHI-IPMECD-3022-LM40-T20	Left straight arm barrier 4 m (2 s)
	DHI-IPMECD-3022-RM50-T30	Right straight arm barrier 5 m (3 s)
	DHI-IPMECD-3022-LM50-T30	Left straight arm barrier 5 m (3 s)
	DHI-IPMECD-3022-RM60-T30	Right straight arm barrier 6 m (3 s)
	DHI-IPMECD-3022-LM60-T30	Left straight arm barrier 6 m (3 s)
	DHI-IPMECD-3021-RM1515-T09-AC110	Right folding arm barrier 1.5 m–1.5 m (0.9 s, 110 VAC)
	DHI-IPMECD-3021-LM1515-T09-AC110	Left folding arm barrier 1.5 m–1.5 m (0.9 s, 110 VAC)

Barrier Arm	DHI-IPMECD-3021-RM1525-T20-AC110	Right folding arm barrier 1.5 m–2.5 m (2 s, 110 VAC)
	DHI-IPMECD-3021-LM1525-T20-AC110	Left folding arm barrier 1.5 m–2.5 m (2 s, 110 VAC)
	DHI-IPMECD-3022-RM30-T09-AC110	Right straight arm barrier 3 m (0.9 s, 110 VAC)
	DHI-IPMECD-3022-LM30-T09-AC110	Left straight arm barrier 3 m (0.9 s, 110 VAC)
	DHI-IPMECD-3022-RM40-T20-AC110	Right straight arm barrier 4 m (2 s, 110 VAC)
	DHI-IPMECD-3022-LM40-T20-AC110	Left straight arm barrier 4 m (2 s, 110 VAC)
	DHI-IPMECD-3022-RM50-T30-AC110	Right straight arm barrier 5 m (3 s, 110 VAC)
	DHI-IPMECD-3022-LM50-T30-AC110	Left straight arm barrier 5 m (3 s, 110 VAC)
	DHI-IPMECD-3022-RM60-T30-AC110	Right straight arm barrier 6 m (3 s, 110 VAC)
	DHI-IPMECD-3022-LM60-T30-AC110	Left straight arm barrier 6 m (3 s, 110 VAC)
	IPMECD-0321-M1515	Folding arm 1.5 m–1.5 m (no distinction between left and right)
	IPMECD-0321-M1525	Folding arm 1.5 m–2.5 m (no distinction between left and right)
	IPMECD-0322-RM30	Right straight arm 3 m
	IPMECD-0322-LM30	Left straight arm 3 m
	IPMECD-0322-RM40	Right straight arm 4 m
	IPMECD-0322-LM40	Left straight arm 4 m
	IPMECD-0322-RM50	Right straight arm 5 m
	IPMECD-0322-LM50	Left straight arm 5 m
	IPMECD-0322-RM60	Right straight arm 6 m
	IPMECD-0322-LM60	Left straight arm 6 m



Dimensions (mm[inch])

