

# DHI-ISC-Z0860A

## Automatic Hydraulic Bollard



### System Overview

Designed to be driven by motor hydraulic integrated module, automatic hydraulic retractable bollard has the warning function with industrial grade diamond grade reflective film and bright LED lights. The bollard can lift and retract automatically through the bollard controller, which lays restrictions on passing vehicles and effectively blocks vehicle trespass to meet the requirements for high safety channels.

### Features

#### Auto Up&Down

After matching with the bollard controller, use the remote control or buttons to achieve automatic lifting and retracting of the bollard.

#### Rapid Up&Down

Adopts 220 VAC/50–60 Hz power supply, motor hydraulic integrated drive, 4S rapid lifting.

#### Power Failure Emergency Control

Built-in storage battery of the matched bollard controller supports manual button control, which can control the bollard down in the case of power failure.

#### Safety Warning

Standard surrounded LED warning light. It flashes during lifting, and goes off when retracting to the bottom while goes solid when lifting to the top.

Standard diamond grade reflective film, which has the reflection warning for night light.

- Motor hydraulic Integrated drive.
- Professional protection, sturdy structure contributes to excellent anti-collision performance.
- Equipped with surround LED warning lights and 5cm width reflective film.
- Up/down reminder: the indicator light flashes during lifting, the light goes off when retracting to the bottom, and goes solid when lifting to the top.
- In case of power failure, operate the emergency button of the storage battery in the bollard controller to achieve bollard emergency retracting.
- 220 VAC/50–60 Hz safe and reliable power supply, which is only connected in the lifting process.
- 4S Rapid lifting.
- Supports IP68, normal lifting and retracting even in rainy and snowy days.

#### Ingress Protection (IP68)

IP68: After strict dust and immersion tests, the bollard is proved to able to prevent dust inhalation. The bollard can lift and retract normally in 0.5m deep water for 48 hours.

#### Power Saving

The power is only connected during the bollard up and down process but not connected during standby status, which is safe, reliable and power saving.

### Scene

Suitable for crowded places such as government agencies, smart campus, commercial pedestrian street, smart park, public prosecution and law checkpoints, parking lot, airport, places requiring protection and isolation and more.

# Hydraulic Bollard Series | DHI-ISC-Z0860A

## Technical Specification

### General

Cylinder Material	304 stainless steel			
Cylinder Diameter	Φ219 mm(±1 mm)(8.62"(±0.04"))			
Cylinder Thickness	6 mm (0.24")	8 mm (0.32")	10 mm (0.39")	12 mm (0.47")
Foundation Box	Overall electrophoresis + plastic spraying treatment, anti-corrosion and rust prevention			
Bollard Running Time	4 s for lifting and 2.8 s for retracting.			
Lifting Weight	Max 150 kg (330.69 lb)			
Load Bearing	50 T cargo truck			
Warning Equipment	Surrounded LED warning light + 5 cm reflective film			
Drive	Motor hydraulic integrated drive			
Hydraulic Fluid	10# Aviation hydraulic fluid			

### Function

Up&Down Control	Control the bollard up and down through bollard controller.
Warning Equipment	Standard surrounded LED warning light and 5 cm reflective film.
Up&Down Warning	The indicator light flashes during lifting, and goes off when retracting to the bottom while goes solid when lifting to the top.
Emergency Control	Built-in storage battery of the matched bollard controller supports manual button control, which can control the cylinder down in the case of power failure.

### Port

Power cord	1 × 3-core wire
Power cord of LED Light	1 × 2-core wire
Control Cable of Solenoid Valve	1 × 2-core wire

### Regular

Operating Voltage	220 VAC±10%/50–60 Hz			
Operating Power Consumption/ Instant Start Power Consumption	350 W/1100 W			
Operating Temperature	-30°C to 55°C (Under 0°C, it's a normal phenomenon that bollard lifts or descends asynchronously. )			
Lifting Height	600 mm (23.62")			
Product Weight	90.5 kg (199.51 lb)	97.5 kg (214.95 lb)	104.5 kg (230.38 lb)	112.5 kg (248.02 lb)
Packaging Weight	107 kg (235.89 lb)	112 kg (246.92 lb)	118 kg (260.15 lb)	126 kg (277.78 lb)
Ingress Protection	IP68			
Corrosion Category	Middle			

Packaging Dimensions	420 mm × 420 mm × 1260 mm (16.54" × 16.54" × 49.61")
Product Dimensions	Φ379 mm × 1120 mm (14.92" × 44.09")

## Ordering Information

Type	Model	Description
Hydraulic Bollard Series	DHI-ISC-Z0860A-06	Automatic Retractable Bollard (6 mm)
Hydraulic Bollard Series	DHI-ISC-Z0860A-08	Automatic Retractable Bollard (8 mm)
Hydraulic Bollard Series	DHI-ISC-Z0860A-10	Automatic Retractable Bollard (10 mm)
Hydraulic Bollard Series	DHI-ISC-Z0860A-12	Automatic Retractable Bollard (12 mm)
Hydraulic Retractable Bollard controller	DHI-ISC-ZC03A	Hydraulic Retractable Bollard controller (3 channel)
Hydraulic Retractable Bollard controller	DHI-ISC-ZC06A	Hydraulic Retractable Bollard controller (6 channel)

## Dimensions (mm[inch])

