

DHI-ISC-ZC03A

Hydraulic Bollard Controller



System Overview

Matched with the automatic hydraulic retractable bollard, the bollard controller is able to control the bollard automatic up and down through manual control box and remote controller, which can lay restrictions on the passing vehicle and effectively ensure the traffic order and the safety of major facilities and sites.

Features

Protection Function

Reserved safety protection port, which can access protection signals such as infrared, induction loop, radar to achieve anti-collision function.

Adjustable Running Time

Under ordinary temperature, the running time of bollard is 4 s for lifting and 2.8 s for retracting. The power supply duration of the bollard is 3s to 10s adjustable. When under low temperature, the hydraulic fluid is viscous, extend the power supply duration from the bollard controller to ensure that the bollard can lift to the top or retract to bottom normally.

Emergency Control of Power Failure

Built-in storage battery to support the operation of the emergency button to control the bollard down in case of power failure.

Data Recording

Built-in storage device, automatic storage of bollard operation log including operation time, operation method and up/down status, as well as traceable operation records; supports export and query logs by USB disk.

- Perform sync control of the connected bollards through manual control box or remote controller.
- Under ordinary temperature, the running time of bollard is 4 s for lifting and 2.8 s for retracting. The power supply duration of the bollard is 3s to 10s adjustable.
- Built-in storage device, bollard operation log automatic storage and operation record Tracing; supports export and query logs by USB disk.
- Built-in battery, supports the operation of the emergency button to control the bollard down in case of power failure.
- Reserved safety protection port, which can access protection signals such as infrared, induction loop, radar to achieve anti-collision function.
- 220 VAC power supply, 4S rapid lifting, power connected only in the up and down process, which is safe and reliable.

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 Controller Series | DHI-ISC-ZC03A

Technical Specification

General

Control Method	Manual control box, remote controller
Appearance Color	Yellow
Bollard Running Time	4 s for lifting and 2.8 s for retracting. The power supply duration of the bollard is 3 s to 10 s adjustable.
Number of Channels	Single channel
Number of Controlled Bollards	Max 3 bollards

Function

Button Control	Control the bollard up/down by buttons of the manual control box.
Remote Control	Control the bollard up/down by remote controller.
Emergency Control	Built-in storage battery to support the operation of the emergency button to control the bollard down in case of power failure.
Protection Function	Reserved safety protection port, which can access protection signals such as infrared, induction loop, radar to achieve anti-collision function.

Port

Power Input Port	1
Power Output Port	1
LED Strip Port	1
Solenoid Valve Port	1
Capacitance Port	1
Manual Control Box Port	1
Protection Port	1
Programming Port	1

Regular

Rated Voltage	220 VAC/ 50–60 Hz
Max Load Power Consumption	8800 W
Standby Power Consumption	100 W
Operating Temperature	-10 °C to 50 °C (20%–80% RH, no condensing)
Storage Temperature	-20 °C to 60 °C (5%–95% RH, no condensing)
Production Weight	13.5 kg (29.76 lb)
Packaging Weight	22 kg (48.50 lb)
Ingress Protection	IP43, used indoors

Corrosion Category	Low, used indoors
Production Dimensions	500 mm × 400 mm × 200 mm (19.69"× 15.75"× 7.87")
Packaging Dimensions	640 mm × 440 mm × 355 mm (25.20"× 17.32"× 13.98")

Ordering Information

Type	Model	Description
Hydraulic Retractable Bollard Controller	DHI-ISC-ZC03A	Hydraulic Retractable Bollard Controller (3-channel)

Dimensions (mm[inch])

