

VEHICLE ENTRANCE MANAGEMENT SYSTEMS

VV-VM5002HD-BLZ4 CRASH RATED HYDRAULIC AUTOMATIC BOLLARD



FEATURES

Automatic hydraulic bollard for robust security and impact resistance

Ultra fast raising and lowering speed of bollard (optional EFO)

Emergency release function in case of power failure

Reliable technology for most intense use at all temperatures and weather conditions

High grade reflector for long distance visible warning (optional LED light)

Operated through external/built-in hydraulic pump unit and PLC control system with panel button/remote control

IP68 ingress protection rating

K12/PAS68 crash rated highly tensile carbon steel construction



100%
Duty Cycle



Hydraulic
Drive



K12
Crash Rated



Remote
Control



IP68
Ingress Protection

TECHNICAL SPECIFICATIONS

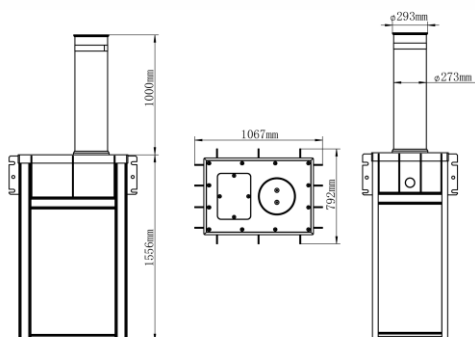
VV-VM5002HD-BLZ4

Physical Features & Characteristics	Type	Automatic
	Drive	Hydraulic ram
	Cylinder Diameter	273mm±2mm
	Cylinder Intercept Height	1000mm±3mm
	Cylinder Material	Q345 Carbon Steel
	Rising Time	4-6s
	Cylinder Underground Depth	1556mm
	Top Led Lights	Optional
	Reflecting Adhesive Strip	Supported optional colors
	Cylinder Finish	ADG anti-corrosion treatment with RAL color options
	Working Voltage	AC 380V±10%,50/60Hz, triple phase
	Protection Rating	IP68
	Working Temperature	-40°C~+70°C
	Bollard Dimension	1067mmx 792mmx1556mm
	Crash Test	PAS 68 & IWA14-1 K12/M50 by impact of 7500 Kg truck driving at 80 KMPH speed
Hydraulic Pump & PLC Control Unit	Heating Unit	Optional
	Power Supply	AC 380V
	Power Consumption	7.5 KW
	EFO (Optional)	Supports emergency fast operation at ≤ 2 seconds
	Driving Capacity	Up to 4 bollards by single external Hydraulic Power Unit (HPU) + PLC control system (with EFO) Up to 6 bollards with built-in pump by single PLC control system (without EFO)
	Self Testing Programme	Supported
	Emergency Release	Supports raising/lowering of bollard in case of power failure
	Remote Control Distance	Up to 50 meters
	Communication Interface	RS-232, RS-485 (optional Ethernet RJ45)
	Air Leakage Switch	Supported
	PLC Control Voltage	DC 24V
	PLC Control Integration	Supports Traffic Light, Inductive Loop Detectors and optional access control equipment.
	IP Rating	IP54
	Dimension	1200mm W x 800mm D x 1797mm H (HPU+PLC control cabinet) 500mm W x 170mm D x 650mm H (PLC control cabinet)

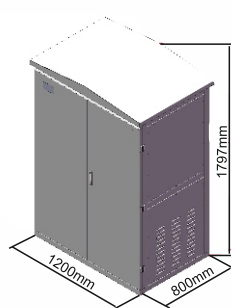
*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Weights and measurements are approximate and may vary.

DIMENSIONS

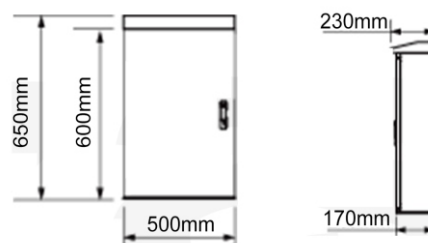
Unit: mm



Bollard



HPU+PLC Control
(with EFO)



PLC Control

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