ADVANCED ENGINEERING UK TECHNOLOGY

vantage
keeping you safe

ENTRANCE MANAGEMENT SYSTEM

VV-VM7603EB-R/L1W3
HIGH SPEED BOOM BARRIER



FEATURES

- High-performance boom barrier with 24V DC brushless motor
- Designed for 100% duty cycle and continuous 24-hour operation
- High-speed operation: 0.6s for 3m, 0.8s for 3.5m and 1s for 4m carbon fibre boom arms
- Automatic reversing when the boom encounters an obstruction
- Supports RS485 communication and relay signal outputs
- Integration support with any RFID/Biometric Reader through NO input

Wireless Remote Controller

IP54
Ingress Protection Rating

Heavy Duty
100% Duty Cycle

Anti-Collision

CE FC RoHS

TECHNICAL SPECIFICATIONS

VV-VM7603EB-R/L1W3

Parameter	Specifications		
Drive	24 V DC brushless motor with worm and planetary gearbox		
Opening & Closing Times	0.6–1 second, depending on boom length		
Arm Direction	Left or right adjustable		
Boom Type	Carbon Fibre Round	Carbon Fibre Round	Carbon Fibre Round
Max Boom Length (Meters)	3M	3.5M	4M
Running Speed (Seconds)	0.6S	0.8S	1S
Traffic Flow Application	24 hours uninterrupted operation		
Obstruction Protection	Automatic boom reversal upon obstruction detection		
Display	Status monitoring LCD display		
Remote Control	433 MHz Wireless Remote Controller		
Communication	RS485 communication		
Relay outputs	Relay signal outputs supported		
Service Life	10 million operation cycles		
Power-Failure Operation	Manual operation using the handwheel or by manually lifting the boom		
Backup Power	Optional 24 V DC battery backup or super capacitor backup for a single opening during power failure.		
Working Voltage	DC24V		
Duty Cycle	100% duty cycle for continuous 24-hour operation		
Control System	Variable-frequency DC motor control system		
Motor Power	Maximum Motor Power: 300 W		
Max Motor Speed	500r/min		
Max Output Torque	250N.m		
Ingress Protection	IP54		
Power Supply	AC220V±10%V,50Hz		
Control Board Input Voltage	DC24V±10%, 10A		
Relative Humidity	<90% no condensation		
Working Temperature	-30°C to 70°C		
Chassis Material	Powder-coated cold-rolled steel with acrylic panel		
Boom Material	Boom arm material: carbon fibre		
Cabinet Dimension (W*D*H)	335 x 340 x 1052 mm		
Weight	Approx. 55kg		
Certifications	CE, FCC, ROHS		

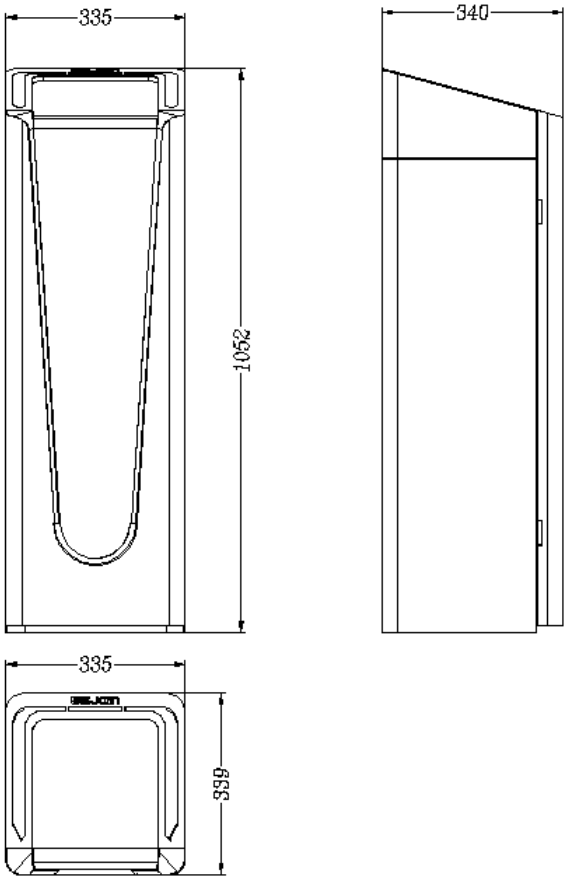
*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary.

TECHNICAL SPECIFICATIONS

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DIMENSION:

Unit: mm



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