Sentry Automation Ltd

Strong Outdoor

High-speed door for intensive outdoor use

OUTDOOR APPLICATIONS | **1.2mm REINFORCED CURTAIN** | **STANDARD INVERTER**



BUILT FOR OUTDOOR USE

Robust construction for intensively used external openings up to 6,000 × 6,000mm / 36m².

TENSIONED & REINFORCED

Permanent curtain tensioning and aluminium profiles with integrated EndLocks as standard.

STANDARD FREQUENCY CONTROL

Opening up to 1.5m/s* and closing approximately 0.5m/s, with variable speed control.

LIGHT CURTAIN AS STANDARD

Integrated safety light curtain to 2,500mm high, with manual opening on power loss.

WIDTH-DEPENDENT WIND RATING

Class 4 up to 4,000mm wide; Class 3 above 4,000mm, depending on configuration.

The Strong Outdoor is a high-speed door for intensively used external openings. Its 1.2mm reinforced PVC curtain, permanent tensioning system and integrated EndLocks support stable operation under wind load. Wear-resistant side seals help control draughts, while removable column covers simplify installation and maintenance.

6,000 × 6,000mm	1.5 / 0.5m/s*	Class 4 / 3*
Maximum opening / 36m²	Opening / closing speed	Wind rating depends on width

Supply only • Installation • Repairs • Planned servicing

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Strong Outdoor / Specification

DIMENSIONS & PERFORMANCE

Maximum width / height	6,000mm / 6,000mm
Maximum area	36m²
Guide side room	195 / 240mm*
Slip-on drive side room	345 / 430mm*
Drive fitting clearance	450 / 480mm*
Side-guide profile space	145mm
Required headroom	650 / 700mm*
Opening / closing speed	Up to 1.5* / 0.5m/s
Frequency control	Standard
Wind load classification	Width-dependent; see below
Product conformity	EN 13241

CONSTRUCTION & MATERIALS

1.2mm polyester-reinforced PVC curtain in horizontal sections, with aluminium reinforcement profiles and integrated EndLocks. Permanent curtain tensioning system; aluminium winding roller and HardEdge bottom beam.

Solid steel column skeleton with galvanised steel profiles and removable covers. Highly wear-resistant plastic side seals.

COLOURS, WINDOWS & COVERS

Curtain colours: blue, black, white, grey, red, orange or yellow. Optional transparent windows (600 × 600mm), viewing section or insect-netting sections.

Optional PVC or metal top hood; drive cover in PVC only. Hood and PVC drive cover available in specified RAL colours, subject to quotation.

DRIVE & ELECTRICAL

Direct-drive geared electric motor, mounted on the left or right. Frequency control supplied as standard.

Supply: 3N~400V / 50Hz / 16AT.
Motor: IP65; maximum consumed power 3kW.
Standard control box: IP54 with CEE plug.

CONTROLS & SAFETY

TS971 / TS981 / T100R FU, selected for the application. Open-stop-close operation, seven-segment display, variable speed regulation, adjustable hold-open time, permanently open / closed settings, service and run modes.

Safety light curtain to 2,500mm high as standard. Manual opening in the event of power loss. Roll-off safety is optional.

SITE & CONNECTION REQUIREMENTS

Flat mounting frame and adequate mounting space required. Confirm precise installation dimensions with the technical drawing.

Provide a separately fused red 400V CEE socket within 500mm of the control unit. Control box normally on the drive side about 1,500mm above the floor. Confirm circuit protection with the selected configuration.

OPTIONS & ACCESSORIES

Push-button, pull switch, key switch, photocell, radar, induction loop or radio activation; door-to-door interlock.

Stainless-steel IP65 control box with separate power plug; traffic lights and orange / red warning beacon; optional hood and vision sections.

WIND LOAD RESISTANCE

EN 12424: Class 4 up to 4,000mm width; Class 3 above 4,000mm width. Ratings depend on configuration. Confirm the selected door size and site wind exposure.

To quote: send opening dimensions, headroom and side room, site photographs, postcode, wind / draught conditions, power details, curtain finish and activation requirements.

*Depending on configuration. Based on manufacturer literature dated May 2024. Confirm dimensions, speeds, wind exposure, controls, electrical requirements and availability with quotation. Technical changes reserved.

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