PRODUCT GUIDE

Sentry Automation Ltd

ISO 60

Insulated industrial sectional door

MANUAL OR ELECTRIC | **60mm INSULATED PANELS** | **14 STANDARD COLOURS**



60mm INSULATED PANELS

Thermally decoupled profiles and a CFC-free polyurethane foam core.

FRAME & TRACK OPTIONS

Standard or heavy-duty frames; standard, extra, vertical, roof-slope or low lift.

WINDOW & PANEL CHOICE

Double-walled windows or aluminium sections with double or triple glazing.

PEDESTRIAN ACCESS

Integrated outward-opening wicket door or a separate adjacent door available.

MICROLINE EXTERIOR

14 standard exterior colours; RAL 9002 interior with horizontal profiling.

Designed to separate climate zones, the ISO 60 combines 60mm insulated panels with perimeter and inter-panel seals. It suits production and storage areas where temperature control matters. Torsion springs counterbalance the curtain for manual or electric operation.

8,000 × 6,000mm	48m²	0.84 W/m²K
Maximum width × height	Maximum door area	U-value at 5 × 5m, closed door

Supply only • Installation • Repairs • Planned servicing

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Sentry Automation Ltd

ISO 60 / Specification

DIMENSIONS & PERFORMANCE

Maximum width / height	8,000mm / 6,000mm
Maximum door area	48m²
Panel thickness	60mm
Aluminium sections	Available
U-value (closed door)	0.84 W/m²K at 5,000 × 5,000mm
Wind load resistance	Class 3-4 to EN 12424
Product conformity	EN 13241

CONSTRUCTION & SEALING

60mm galvanised steel panels with CFC-free polyurethane insulation; galvanised end caps, fittings and Sendzimir-galvanised tracks. Nylon-wheel rollers with chromed 11mm shafts; steel cables with sixfold safety. Insulating seals at the top, sides, bottom and panel joints. Manual doors have a bottom-section handle and foot recess.

FINISHES & STANDARD COLOURS

Microline exterior, polyester-coated in RAL 3000, 5010, 6005, 6009, 7005, 7015, 7016, 7022, 7035, 8014, 9002, 9006, 9007 or 9010. Interior: horizontal profiling in RAL 9002.

Other RAL colours inside and/or outside are optional, excluding fluorescent and traffic colours.

WINDOWS & PANEL INFILLS

Rectangular windows with double-walled insulating glazing.

One or more anodised aluminium sections can be specified with double or triple insulated acrylic, polycarbonate or Plexiglas glazing. Confirm the glazing arrangement and thermal performance for your required door size.

DRIVE & ELECTRICAL

Manual cord/chain reel or geared electric motor. Dead-man, pulse or remote control.
Supply options: 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE; 50/60Hz.
Standard protection: IP54.
Controls: TS971 / TS981 / T100R (FU).

SAFETY & CONTROL FUNCTIONS

Emergency hand-chain hoist at operating height; spring-break and anti-lift protection. 24Vdc control; auxiliary supplies 24Vdc (350mA) / 230Vac (1.6A). Status display with six most-recent faults and a maintenance-cycle counter.

Self-learning opening-force monitoring detects sudden counterbalance changes. Automatic DI/FI inverter detection supports speed, soft-start/stop and braking-ramp settings.

ACTIVATION & SITE REQUIREMENTS

Pull switch, key switch, push-button, photocell, radar, induction loop or remote activation.

Dimensional and structural sheets are available for all track designs. For electric operation, a suitable CEE socket is required within 1m of the control unit, supplied by others. Standard CEE connection: control box IP54.

OPTIONS & ACCESSORIES

Frequency-controlled fast version; extra activation controls; directly wired IP65 control box and main switch. Leading photocell, cable-break protection, anti-lift protection, traffic lights, warning beacon, heavy spring-return shoot bolt and external locking cylinder.

Integrated outward-opening wicket door with closer and cylinder lock for door openings up to 6,000mm wide; separate adjacent wicket door; adjusted wind restriction; 30,000- or 60,000-cycle springs. Options are subject to additional cost and confirmation.

To quote: send opening dimensions, available headroom and side room, site photographs, postcode, power details, preferred finish and activation requirements.

Based on manufacturer literature dated May 2024. Confirm dimensions, performance, controls, structural provisions and current availability with your quotation. Technical changes reserved.

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