SENTRY
SECURE BY DEFINITION

ENTRANCES THAT WORK

AUTOMATIC DOORS

Effortless access.
Thoughtfully specified.



Sliding • Swing • Telescopic • Folding

Record door technology with Sentry Automation supply, installation and maintenance. A practical guide for commercial, public and residential building entrances.

Record UK technical sources

AUTOMATIC DOORS / SPECIFICATION GUIDE / 01

0113 403 5583 **enquiries@sentryautomation.co.uk** **sentryautomation.co.uk**

02 / SELECTION GUIDE

Start with the opening. Choose the movement.

High pedestrian flow	STA20 single or bi-parting sliding doors. Allow side space for the opening leaves.
Heavier sliding leaves	STA22 variant, selected by leaf mass and geometry.
Limited side space	TSA20 telescopic leaves stack to reduce the required parking space.
Automate a hinged door	DFA127 overhead swing operator; assess the existing leaf, hinges, closer, frame and locking.
Restricted entrance space	FTA20 folding leaves retain much of the passage width where sliding or swing arrangements are unsuitable.
External thermal envelope	THERMCORD thermally broken sliding systems; confirm whole-door performance.
Specialist building needs	Curved, revolving, underfloor swing and CLEAN hygienic / hermetic solutions require a dedicated project specification.

SET THE PRIORITIES

Confirm clear opening, traffic, available headroom and side space, accessibility, security, escape strategy and environmental exposure before selecting the operator. Door movement and building interfaces should be coordinated together.

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03 / AUTOMATIC SLIDING DOORS

STA20.
A versatile everyday entrance.



Single or bi-parting arrangements

The STA20 provides automatic sliding access for commercial and public buildings, with framed, fine-frame and frameless options. New entrance packages and suitable existing-door upgrades can be considered.

Match the profile to the project

Select the framing, glass, locking and finish around the opening and required performance. Heavy leaves, enhanced security and escape-route operation require the relevant configured variant.

CLEAR OPENING IS NOT STRUCTURAL OPENING

Allow for fixed screens, leaf overlap, parked leaves, operator casing, support and floor guidance. Final dimensions must come from the approved door layout.

Record UK technical sources

04 / SLIDING DOOR TECHNICAL DATA

STA20 / STA22. Define the variant.

STA20 opening width	800-3,000mm published recommended range.
Passage height	Up to 3,000mm recommended.
Standard STA20 leaf mass	Single: 1 × 150kg. Bi-parting: 2 × 120kg.
STA20 DUO / RED mass	Single: 1 × 150kg. Bi-parting: 2 × 150kg.
STA20-200 mass	Single: 1 × 200kg. Bi-parting: 2 × 150kg.
STA22 heavy-duty mass	Single: 1 × 250kg. Bi-parting: 2 × 200kg.
Opening / closing speed	Up to 0.7m/s; adjustable, with closing speed dependent on mass.
Day hold-open time	0-30 seconds, adjustable.
STA20 current web data	100-240V AC; rated power 90W.
STA22 UK datasheet	230V AC, 50Hz; up to 100W, 20W idle. Confirm the selected electrical variant.
Environment	Dry locations; ambient -15°C to +50°C.

APPLICATION LIMITS

Capacity values follow Record's UK STA20 / STA22 datasheet; STA20 electrical data follows the current product page. Maximum width, height and weight should not be combined without checking the selected drive, profile and glazing package.

Record UK technical sources

05 / TELESCOPIC DOORS

TSA20.
More passage from less space.



Two-leaf single-sided or four-leaf bi-parting arrangements stack the panels as they open. A useful option where a standard slider needs too much side space.

E-TSA20 / two leaves	Passage 800-3,000mm; recommended height 3,000mm. Standard mass 2 × 90kg; DUO / RED 2 × 130kg.
D-TSA20 / four leaves	Passage 1,200-4,000mm; recommended height 3,000mm. Standard mass 4 × 80kg; DUO / RED 4 × 90kg.
Drive / supply	108 / 150 / 200mm drive heights; 100-240V AC; rated 90W, standby 25W.
Environment / timing	IP20; -15°C to +50°C; up to 85% RH non-condensing; hold-open 0-60 seconds.

Beam length and depth vary with configuration. Confirm leaf overlap, side screens and parked-leaf envelope on the project drawing.

Record UK technical sources

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06 / AUTOMATIC SWING DOORS

DFA127.
Transform a hinged entrance.



Retrofit or new installation

The DFA127 overhead operator automates hinged pedestrian doors. It provides a route to improved access where the door and frame are suitable, with quiet operation for offices, corridors, care and healthcare settings.

Specify the door and operator together

Select pushing or pulling arm geometry, fixing position, handing, leaf size and mass, opening angle and locking. Confirm headroom, frame strength and the swept area before selecting the arrangement.

EXISTING DOOR SURVEY

Check hinges, alignment, seals, closing resistance, reveal depth, access controls and available structure. Automation does not correct an unsuitable or poorly operating door.

Record UK technical sources

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07 / SWING OPERATOR TECHNICAL DATA

DFA127.
The installation parameters.

Operator length	600mm.
Height options	85 / 108mm.
Depth options	124 / 126mm, according to configuration.
Opening angle	70-115 degrees, adjustable.
Hold-open time	0-60 seconds.
Opening time	3-20 seconds.
Closing time	5-20 seconds.
Supply	230V AC, 50 / 60Hz.
Rated / standby power	67W / 13W.
Operating environment	-15°C to +50°C; up to 85% RH, non-condensing; IP20.
Drive arrangement	Electromechanical operator with spring energy storage. Select the exact variant and arm.
Leaf capacity	Confirm using the selected operator's door-width / mass and arm-geometry limits; no universal leaf capacity is stated here.

FIRE & ESCAPE FUNCTIONS

Where a fire-resisting or escape door is proposed, obtain evidence for the complete doorset, operator, sensors, locking and control sequence. Confirm the exact assessed arrangement rather than applying an operator claim to every door.

Record UK technical sources

08 / THERMALLY BROKEN ENTRANCES

THERMCORD.
Consider the whole envelope.



Thermally broken framing

The THERMCORD family combines thermally separated profiles and sealing for external entrances where thermal performance matters. Telescopic versions are also available for layouts with limited parking space.

Security options are configuration-specific

The range includes THERMCORD 3 RC2 and THERMCORD Protect RC3 options. Confirm the tested model, glazing, locking, dimensions and supporting certification for the proposed assembly.

ASK FOR PROJECT PERFORMANCE

Specify the required whole-door U-value, air permeability, water resistance and wind loading. Check the selected glazing, frame and installation interfaces; avoid assuming one value applies across the range.

Record UK technical sources

09 / FOLDING ENTRANCES

FTA20.
Access in a compact footprint.



Inward-folding leaves provide an alternative where sliding-door parking space or a conventional swing arc is unavailable. One-sided and two-sided layouts are available; breakout requires the specific FBO variant.

Passage width	800-2,000mm.
Recommended height	Up to 2,500mm.
Leaf mass	2 × 37.5kg or 4 × 37.5kg.
Drive height / depth	180mm / 240mm.
Rated power	90W.
Hold-open / environment	0-20 seconds; -15°C to +50°C; up to 85% RH, non-condensing.

Confirm inward folding clearance, floor guidance, activation and protective sensing. Escape use depends on the selected assembly and agreed strategy.

Record UK technical sources

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010 / SPECIALIST OPTIONS

Beyond the standard entrance.

CLEAN hygienic and hermetic doors

Record's CLEAN range includes sliding, swing and telescopic hygienic doors. Hermetic variants are offered for controlled environments, with published sealing performance up to 100Pa. Select the exact model and leakage / pressure criteria with the project team.

Curved sliding doors

Curved entrances can form an architectural feature where a linear sliding arrangement does not suit the façade. Radius, glazing, support, opening geometry and operator arrangement need a dedicated design.

Revolving doors

Automatic and manual revolving models offer an alternative for entrances where controlling air exchange and pedestrian flow matters. Coordinate the diameter, capacity, security, adjacent accessible route and escape provision.

Concealed swing operation

The C127 X underfloor swing-drive family provides an alternative to overhead automation. Floor construction, drainage / environmental protection and future maintenance access require early coordination.

SPECIALIST PERFORMANCE

Use a dedicated model datasheet and approved layout for these systems. Hygiene, security, thermal and escape requirements should be stated in measurable project terms before product selection.

Record UK technical sources

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011 / CONTROLS & OPERATION

Make the door work for its users.

Automatic activation	Radar / motion detection selected to suit the approach, opening direction and surrounding pedestrian routes.
Deliberate activation	Push buttons or touchless switches where users should request opening.
Presence protection	Protective sensing selected around the moving leaf, closing zone and other relevant hazards.
Authorised entry	Coordinate card readers, keypad, intercom or other access-control outputs with the door controller.
Operating modes	Agree daytime, night, one-way, hold-open and restricted-opening functions supported by the selected system.
Locking	Select compatible mechanical / motorised locking and agree its behaviour during normal use, power loss and emergency signals.
Power failure	State the required door behaviour and any battery function. Availability and sequence depend on the selected operator / variant.
Building interfaces	Agree fire-alarm input, access control, security system and any status-output requirements.

ASSESS THE INSTALLED SYSTEM

Coordinate protective measures, sensors, settings and user needs against the applicable automatic pedestrian-door requirements, including BS EN 16005. Record the commissioned operating modes and provide user instructions.

Record UK technical sources

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012 / PROJECT SPECIFICATION

A clear brief.
A coordinated installation.

Opening schedule	Structural and clear opening dimensions; finished levels; handing; door type; quantity and location.
Users & duty	Pedestrian volumes, wheelchairs / trolleys, assisted access, hours of operation and staff / visitor routes.
Building fabric	Head support, side screens, glazing, floor guides, thresholds, weather sealing and drainage.
Performance	Thermal, weather, acoustic, security, fire and escape requirements with required evidence.
Electrical & controls	Supply, isolation, cable routes, activation, locking, sensors, access control and building-system interfaces.
Finish & scope	Profile / glass specification, RAL colour, making good, removals, out-of-hours work and temporary access.
Handover	Approved drawings, commissioning records, operating instructions, user training and maintenance plan.

SENTRY AUTOMATION / SUPPLY • INSTALL • MAINTAIN

Send entrance photographs, dimensions and the door schedule to enquiries@sentryautomation.co.uk or call 0113 403 5583.

SOURCES & SPECIFICATION BASIS

Record UK product pages and STA20 / STA22 UK datasheet Manufacturer imagery is illustrative; pictured installations are not presented as Sentry projects. Technical values are model / configuration dependent. Confirm the current datasheet, approved drawing and quotation before ordering.

Record UK technical sources