AUTOMATIC DOORS

FORTRESS LAND

Automatic Doors - RECORD STA 21

Record system 21 technologies for light to medium applications

"Silent
Safe
Smooth"
The Essences of
Automatiuc Doors

Product of Switzerland

RECORD STA21 - remarkably inconspicuous

The Record STA21 is designed to meet the requirements of light and medium-heavy sliding door applications. Available in standard single and twin leaf sliding models, in classic or telescopic versions.

Benefit form record system 20 cutting edge technologies

The majority of the record STA21 components are taken from the famous record system20, which has a thoroughly proven track record in global markets, but fitted with smaller, lighter electrical motors and a specially modified control.

The record system 20 actively communicates between operator, sensors and remote control, enabling constant monitoring of the status of individual components, futher enhancing their functionality, safetly and security. The system pay particular attention to ensure their long, trouble-free life. Together with these core priorities of product development, it is the carefully thought-out details that make Record's door system so popular among customer.

By pre-defining door movements, unnecessary triggering of opening impulses can be eliminated. Undersirable opening movement such as self-triggering caused by movements of the installation's own door leaves can be eliminated entirely, thanks to system 20's self-learning capabilities.

Responsible for the whisper-quiet operation typical of record products is our refined gear and roller technology, augmented by profile end guides and parts made from special low-noise plastic.

Tastefull Design

All applications share the same profile system, which features clear, elegant lines, and an attractive overall design. These many design options allow our door sytem to be integrated equally harmoniously in a building, or become a system feature.

Approved for highest levels of safety and security.

The Record STA21 product line fulfils all relevant European norms and standards, including DIN18650, EN16005 and EN ISO13849.
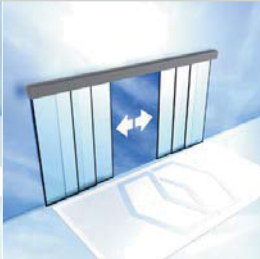

D-STA 2 leaves

D-STA 2 leaves

E-TSA 2 leaves

record slide bar operation reduces assembly time and installation

RECORD STA21 - applications

	record STA 21 – standard sliding doors (STA)		record STA 21 – telescopic sliding doors (TSA)	
Door models	E-STA 1 leaf	D-STA 2 leaves	E-TSA 2 leaves	D-TSA 4 leaves
Opening width	800 – 2000 mm	800 – 2500 mm	800 – 2500 mm	1440 – 3000 mm
Max. height of passage	2500 mm	2500 mm	2500 mm	2500 mm
Max. door leaf weight	1 x 120 kg	2 x 75 kg	2 x 80 kg	4 x 50 kg
Recommended application	light duties in tight spaces	Functional entrance with large entrace width	Maximum entrance width with tight spaces	Elegant entraces with large entrance widths

Designed for light to medium-heavy door applications

Based on the Recoard syste20, the Record STA21 has been modified to meet the requirements of light to medium-heavy door applications. Both have the same system, enabling the interactive exchange of teh information between control, sensors and electronic remote control unit.

The most important functions:

The 32bit microprocessor control enables a wdie variety of operational modes and functions. The mode of operation is selected intuitively using the BED-D, electronic remote control; the display features text in the language of your choice. The convenient and user-friendly BDE-D remote control can also be used to set or modify application-specific door parameters such as opening and closing speeds, opening widths for reduced opening, duration of open times, etc. Alternativel, parameter setting can also be done mechanically using the robust, key operated switch.

Safety and security equipment

The Record STA21 can be fitted with motorized bolt locking. Fitting security floor rails with extended blades can further enhance burglar protection levels.

D-STA 2 leaves

E-STA 1 leaf

Automatic Doors

RECORD peripheral equipment for efficient interactive communication

The reason Record products rarely malfunction is the fact that Record is one of the few manufacturers of automatic doors that develops and makes both the hardware and software found in our control and sensor devices. This eanbles us to implement the improvements made by our developers and engineers in the most effective way possible by allowing the coordination of individual improvements on an on-going basis.

Developed and manufactured entirely in-Switzerland

When analysing its immediate environment, the RAD 290 montion detector permanently communicates with the control device. The field of the 24GHz radar-equipped motion detector is defined electronically, allowing it to eliminate previously acquired door movements. The detector is set up to distinguish between traffic moving towards the entrance and across it.

The RIC 290 sensor device uses both radar and infrared technologies. It is equipped with both motion and presence detectors to ensure optimal safety and security during opening and closing. The convex system of lenses enables individual ligth sources to be collected and processed. The device actively communicates with the door control, eliminating door movements and interference caused by traffic moving across the entrance.

Remote control unit with text display

The electronic remote control device BDE-D is equipped with an illuminated display and features user-friendly, highly convenient menu navigation. Several operational modes are available to program door functions. The BDE-D is available in standard and slim-line models, and is also available with a key-op-erated switch.

Sensors

RIC 290   RAD 290   RIC 290 / RAD 290 flush-mounted model

Remote control units

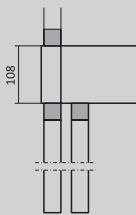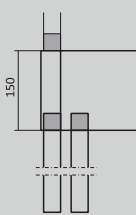BDE-D with surface-mounted housing   BDE-D with key-operated contact   BDE-D slim-line (44 x 92 mm)   Mechanical with key-operated switch

	record STA 21 – standard sliding doors (STA)		record STA 21 – telescopic sliding doors (TSA)	
	E-STA 1 leaf	**D-STA 2 leaves**	**E-TSA 2 leaves**	**D-TSA 4 leaves**
Operator dimensions	with cladding 194 x 108 / 150 mm without cladding 157 x 108 / 150 mm		with cladding 259 x 108 / 150 mm without cladding 222 x 108 / 150 mm	
Door movement	0.5 m/s	0.7 m/s	0.5 m/s	0.7 m/s
Mass				
Power supply	230 V / 50 / 60 Hz / 100 W			
Power consumption	100 W in operation / 25 W in idle mode			
Ambient temperature	−15°C to +50°C			
Remote control	Electronic with illuminated display (BDE-D)			
Operational modes	• Automatic operation • Continuously open • Manual operation		• One-way traffic • Locked	
Programmable functions	• Customer-specific door parameters • Control lock • Bell contact		• Emergency opening and closing (programmable parameters) • Energy-saving function (automatic entrance widening TOWA)	
Options	Sensor, safety and security • Bolt locking device (VRR 20) • RIC 290 multi-purpose sensor • RAD 290 motion detector • Floor safety rail • Finish profile (burglar-resistant) • Floor lock • Key operated switch SSK • CO48 escape route door system (France) • Protective screen		Additional equipment • Optical locking display • Emergency-open button • Manual unlocking inside and outside of door • Battery for emergency operation during power failure • Locking device surveillance • Extended functions module (FEM) for optional accessories • Detachable operator housing	
Assembly variants	• Lintel-mounted, free standing or on the ceiling			