

special solutions

maintenance

centralised monitoring

security

drive technology for pedestrian entrances and industrial applications



STA 21 sliding and telescopic doors

→ record's low cost range featuring **system 20** drive technology



record

your global partner for entrance solutions



→ Good performance at a reasonable price



Enviably features.

record STA 21 is drive technology with an excellent price-to-quality ratio, built for simple indoor or outdoor applications and only for automatic sliding and telescopic doors. It fits perfectly with record's aim of producing intelligent, safe, silent-running, reliable and user-friendly products.



Benefit from the technical features of record system 20.

record STA 21 uses much of its technology: → same basic software → same basic mechanics
→ same peripherals > same design features > same control unit.

Safe, thanks to its self-learning system.

Interactive communication between drive unit, sensors and switches enhances intelligence, reliability and safety.

Intelligence for ease of opening.

The door continuously adapts to its environment, allowing the continuous exchange of information between the sensors and electronic control, allowing the latter to filter out extraneous signals and concentrate on detecting the movements of pedestrians. Opening width also adapts to frequency of use.

A contemporary design.

Consistent design features smooth, elegant lines, with the same profile systems for all applications. Stainless steel floor guides.

Silent thanks to sophisticated wheel and running gear technology.

Approved for enhanced safety.

record STA 21 meets European norms. Its new sensor technology provides safety features to prevent squeezing, crushing or trapping.

CO48 emergency exit system.

Door opens mechanically during power failures.

Use the system 20 peripherals? Of course!

Interactive sensor technology allows the exchange of information between the control, sensors and control unit. This enhances ease-of-use, reliability and safety for the pedestrian. With intuitive menu navigation, the digital display control unit is particularly easy to use.



Developed and made by record,
the record STA 21 guarantees quality, durability and reliability.

record's STA 21,
go ahead and choose
your door system!

Sliding doors

- E-STA 1 leaf
- D-STA 2 leaves

Telescopic doors

- E-TSA 2 leaves
- D-TSA 4 leaves

Safety and security

- meets all relevant norms and conditions

Emergency exits

- CO48
opens mechanically

Operator housing

- 108 mm
- 150 mm

record profile systems

- 20 mm
- 32 mm

Peripherals

- sensors
- control panels

→ System 20 or 21? Compare and choose!

The record STA 21 shares many of the technical components of the system 20, offering the same benefits to the user.

Door types	21 product line	20 product line	Special products
Sliding doors with 1 or 2 leaves	●	●	●
Sliding doors with 2 or 4 leaves	●	●	●
Sliding doors with full break-out system		●	
Curved and angular sliding doors			●
Folding doors			●
Specific solutions			●
Operator height (mm)	108/150	150/108	> 150
Emergency exit system RED ● - CO48 ● - TOS ●	●	● ● ●	● ● ●
Options			
Standard ● or multipoint locking device ●	●	● ●	● ●
Inter-connectable with ADM		●	●
System profile 20 mm (for glass to 10 mm)	●	●	●
System profile 32 mm (for insulating glass to 24 mm)	●	●	●
Other profiles up to 65 mm		●	●
Door-protective screen (all glass design)	●	●	●
Emergency battery operating	●	●	●
Peripheral devices			
record BDE-D control panel with text display	●	●	●
record sensor technology (RAD, RIC, AIR)	●	●	●
record diagnostic maintenance tool	●	●	●

	Standard sliding doors		Telescopic sliding doors	
				
Door types	E-STA 1 leaf	D-STA 2 leaves	E-TSA 2 leaves	D-TSA 4 leaves
Opening width (mm)	800 - 2000	800 - 2500	800 - 2500	1440 - 3000
Max. clear height of passage (mm)	2500	2500	2500	2500
Max. door leaf weight (kg)	1 x 120	2 x 75	2 x 80	4 x 50
Recommended application	simple applications and tight spaces	simple and standard applications	for maximum access in tight spaces	for large, elegant entrances

Designed for simple applications

record STA 21 is designed for straightforward applications that are less demanding in terms of space. All operators are based on record system 20 → mechanics → software → peripheral devices. The products use the same intelligence for the interactive exchange of information between the control, sensors and control unit.

→ **Optional:** CO48 emergency exit system.

The minimum basic functions

The 32-bit micro processor control enables standard functionality.

Safety accessories.

record STA 21 automatic doors can be equipped with a motorised bolt lock. To guard against breaking and entering, the door can also be fitted with a safety floor channel with continuous protection guard.

→ **Optional:** Manual unlock, indoor or outdoor, allowing safe use in case of power failure.

Control panels

Electronic or mechanical, it's up to you! The doors can be equipped with either electronic control units with displays and usual features, or with mechanical control units using a key switch. The latter unit requires an extension module to be on a security network.

Sliding or telescopic, always elegant



➔ Beautiful with interactive intelligence



record peripheral devices ensure real interactive communication.

The **BDE-D control panels** features text or graphic displays with easy-to-use menus. Really user-friendly, thanks to the backlit display. Several operating modes are available to program door functions. **BDE-D** comes in a standard or slim-line version, with a key-operated lock to prevent unauthorised operation (optional).

The **RAD 290 motion detector**, communicates continuously with the control unit and is equipped with a 32-bit micro processor, making it possible to evaluate all possible situations. It is configured by the **BDE-D** control unit. Operating at a frequency of 24 GHz, it eliminates pre-learned door movements. The radar's acquisition field is defined electronically. The sensor's role is optimised to differentiate between extraneous traffic and entering and exiting. For entries requiring greater security, we recommend using the **AIR 290** detector to monitor any presence in the zone behind the doors.

The **RIC 290 combined device** is based on a combination of radar microwave and active infrared technologies. It features a new intelligent motion and presence detector to trigger opening/ closing reliably and with a high level of security. Its convex lens system enables it to register and process individual light sources. The device communicates actively with the door control, detecting any presence between the doors. It also eliminates the movements of the doors and interference by extraneous traffic. The sensor is configured using the **BDE-D** control unit, which transfers information in the language selected.

control panels



Standard



Standard with locking



Slim-line series



Mechanical

Trigger sensors



RIC 290

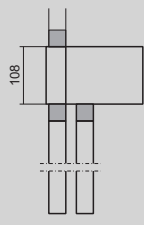
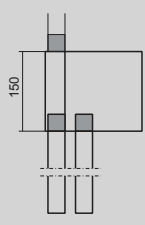
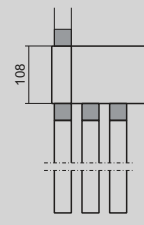
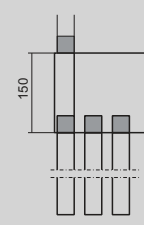


RAD 290



RAD 290 flush mounting

Technical specifications

	Standard sliding doors		Telescopic sliding doors	
	E-STA 1 leaf	D-STA 2 leaves	E-TSA 2 leaves	D-TSA 4 leaves
Operator dimensions				
with cladding	182 x 108/150 mm		247 x 108/150 mm	
without cladding	145 x 108/150 mm		210 x 108/150 mm	
Door movements	0,5 m/s	0,7 m/s	0,5 m/s	0,7 m/s
Dimensions				
Electrical connections	230 V / 50 / 60 Hz/ 100 W			
Consumption on standby mode	25 Watt			
Operating temperature	max - 15°C up to + 50°C			
Control panels	With text/graphic display (BDE-D)			
Operating modes	<ul style="list-style-type: none"> → Automatic operation with total or reduced opening width → Continuously open → Hand operated → One-way traffic → Locked 			
Optional functions	<ul style="list-style-type: none"> → Customer tailored programming → Operation lock → Bell contact → Emergency opening and closing (programmable parameters) → Energy-saving functions (TOWA automatic wide opening) 			
Options	<ul style="list-style-type: none"> → Detection RIC 290 combined device RAD 290 motion detector AIR 290 presence detector → Evolution module for extended functionality (FEM) for optional features and record external sensors Removable hinged operator casing → Emergency exit Emergency stop button Battery for emergency movement in case of power failure Approved CO48 emergency exit system. 		<ul style="list-style-type: none"> → Safety and security Bolt locking VRR 20 Floor emergency bar Anti-burglary lateral profiles Floor panel lock Key operated contact SSK Protective door leaf Visual locking indicator Interior or exterior manual unlocking mechanism Locking monitor 	
Assembly variants	On lintel, freestanding or integrated into ceiling			



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record's proximity
enables our service
network to respond
quickly.

Regularly trained in the latest technologies,
record's technical staff guarantees dependable,
high-quality maintenance and a quick response.

Through remote and on-site support,
record's service personnel
are always close at hand!



Individual advice | Installation and commissioning | Competent maintenance | Troubleshooting hotline | Long term reliability



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