Record STA21

THE NEW STANDARD IN HIGH QUALITY AUTOMATIC DOOR OPERATION

Minimum friction and noise level has been achieved
with the integrated brushless DC motor.
Nine operating modes are available to meet ony site requirements
and programming is sef through a ARTIVAL remote controller hand set
which is made for ARTIVAL specific use to be held only by JAD authorized Agents.

Features and Benefits:-

- Microcomputer-controlled control box allowing variety of user adjustments.
- Using a Remote Controller for numerous adjustable parameters.
- Easy Installation.
- A comprehensive safety system as standard.
- Smooth and quiet.
- Economical and Reliable.

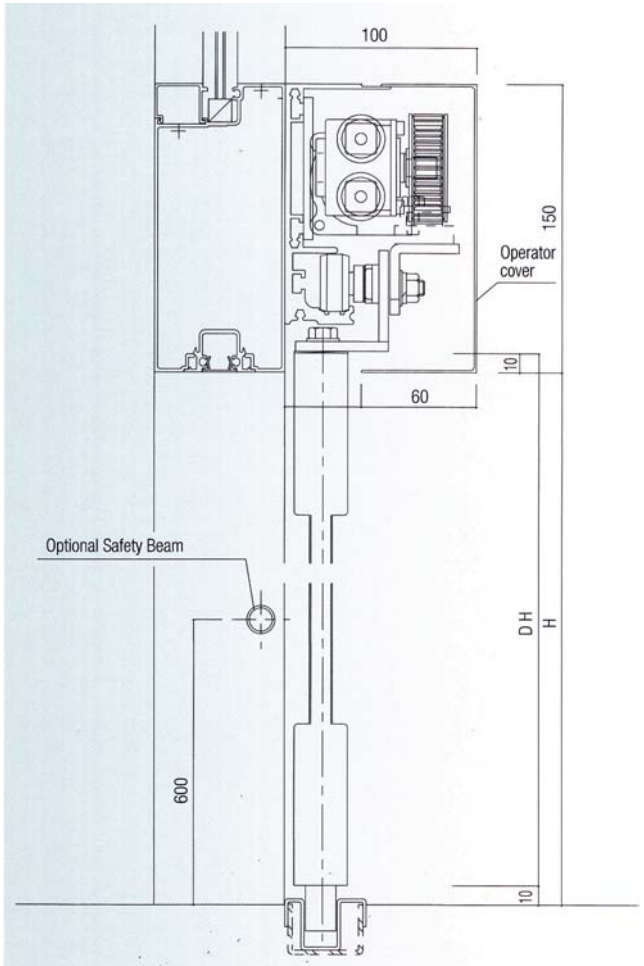
Record STA21

ARTIVAL UN-150 / EXR-170

UN-150 Series

ARTIVAL UN-150

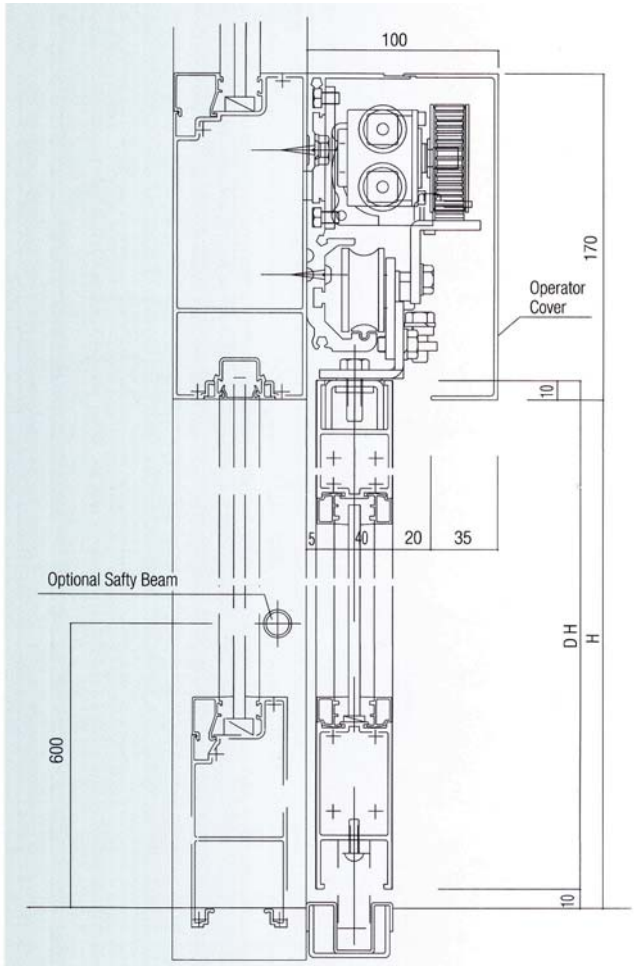
Type	Single or bi-parting
Installation method	Surface mounted
Control unit	Built-in microprocessor
Opening/Closing speed	Adjustable to 914mm/sec (each door)
Operator length	To site requirements
Power supply	AC 100V +10% (optional transformer for 220V users)
Manual opening force	3kg or less (70kg x 1 door) / 5kg or less (70kg x 2 doors)
Belt Drive	Super Torque Tooth belt
Sensors	To site requirements
Movable door weight	30-80kg x 1 or 70kg x 2
Electrical locking	Fail-safe solenoid lock (optional)



EXR-170 Series

ARTIVAL EXR-170

Type	Single or bi-parting
Installation method	Surface mounted
Control unit	Built-in microprocessor
Opening/Closing speed	Adjustable to 914mm/sec (each door)
Operator length	To site requirements
Power supply	AC 100V +10% (optional transformer for 220V users)
Manual opening force	3kg or less (70kg x 1 door) / 5kg or less (70kg x 2 doors)
Belt Drive	Super Torque Tooth belt
Sensors	To site requirements
Movable door weight	15-150kg x 1 or 15-150kg x 2
Electrical locking	Fail-safe solenoid lock (optional)



Record STA21 JAD Automatic Door

DESIGNED FOR LIGHT TO MEDIUM-HEAVY DOOR APPLICATIONS

Based on the record system 20, the record STA 21 has been modified to meet the requirements of less weight and medium-sized door applications. Both have the same system, enabling the interactive exchange of information between control, sensors and electronic remote control unit.

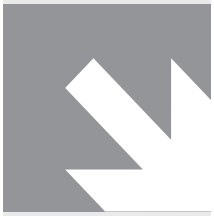
The most important functions

The 32-bit microprocessor control enables a wide variety of operational modes and functions. The mode of operation is selected intuitively using the BDE-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. Alternatively, parameter setting can also be done mechanically using the robust, key-operated switch.

Safety and security equipment

The record STA 21 can be fitted with motorized bolt locking. Fitting security floor rails with extended blades can further enhance burglar protection levels.

One optional available is manual unlocking in or outside buildings to guarantee the opening of the automatic door during power failures. Another is a rechargeable battery equipped with charging status monitoring to open or close the door in emergencies. The C048 emergency opening system provided for the French market is also available, but with restrictions in the door leaf weights.

	record STA 21 Standard Sliding Doors (STA)		record STA 21 Telescopic Sliding Doors (TSA)	
				
Door models	E-STA 1 leaf	E-STA 2 leaves	E-TSA 2 leaves	E-TSA 4 leaves
Opening width	800 - 2000mm	800 - 2000mm	800 - 2000mm	1440 - 3000mm
Max. height of passage	2500mm	2500mm	2500mm	2500mm
Max. door leaf weight	1 x 130kg	2 x 90kg	2 x 90kg	4 x 60kg
Recommended application	Space	For functional entrances with large entrance widths	For maximum entrance widths in tight spaces	For elegant entrances with large entrance widths

D-STA 2 leaves

E-STA 1 leaf

Door applications	record STA 21	record STA 20	Special door automation
Standard sliding doors with 1 or 2 leaves	●	●	record STA 22 – STA
Telescopic sliding doors with 2 or 4 leaves	●	●	record STA 22 – TSA
Sliding doors with break-out system		●	
Round and angled sliding doors			RST / PST
Folding doors			FTA
Special models		possible	possible
Operator height	108 / 150mm	108 / 150mm	> 150mm
Escape route systems RED ● / C048 ● / TOS ●	●	● ● ●	● ● ●
Optional equipment			
Standard - ● or multi-point locking (MPV) ●	●	● ●	● ●
Compatible with ADM (from about middle of 2012)			
Profile system 20 (up to 10 mm single layer glass)	●	●	●
Profile system 32 (up to 24 mm insulating glass)	●	●	●
Foreign profiles up to 65 mm	●	●	●
Door protective screen (designed entirely in glass)	●	●	●
Rechargeable battery for emergency opening ● or emergency operation ●	●	● ●	● ●
Peripheral devices			
record BDE-D remote control device with text display	●	●	●
record sensor systems (RAD 290, RIC 290)	●	●	●
record diagnostic maintenance tool	●	●	●

Record STA21

record peripheral equipment for efficient interactive communication

The reason record products rarely malfunction is the fact that we are 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 enables 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-house

When analysing its immediate environment, the RAD 290 motion detector permanently communicates with the control device. The field of the 24 GHz 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 light 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 programme door functions. The BDE-D is available in standard and slim-line models, and is also available with a key-operated switch.

Sensors

RIC 290

RAD 290

RIC 290 / RAD 290
flush-mounted model

Remote control units

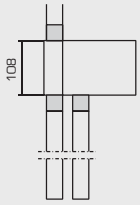
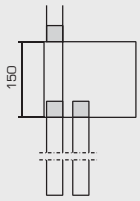
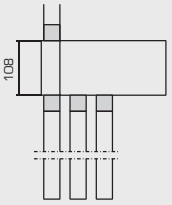
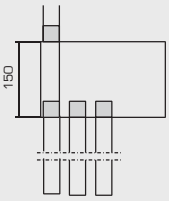
BDE-D with surface-mounted housing

BDE-D with key-operated contact

BDE-D slim-line (44 x 92)

Mechanical with key-operated switch

Specifications

	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 without cladding 157 x 108		with cladding 259 x 108 / 150 mm without cladding 222 x 108 / 150 mm	
Door movement	0.5m/s	0.7m/s	0.5m/s	0.7m/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	Customerspecifific 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 → C048 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			