LA TOULOUSAINE
The architect of your security

Manual No. 2102

03/26

USE

Residential garage door

Villa Sectional

CERTIFIED BY CSTB
NF

GARAGE DOORS
with extension springs
Dimensions max. 3,000x2,250,
without wicket door
and according to configuration

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LEGEND:

DANGER

DO NOT TOUCH

CAUTION!

For your personal safety, it is very important to carefully follow all the instructions below and keep them.
In case of doubt, contact your installer.

- Please read this manual carefully before use.
- All the parts delivered are specifically sized for this product.
  Adding and removing parts may be detrimental to your safety and may affect the product's warranty.
- Door operation by untrained persons (especially children) is **strictly prohibited**.
- When using a remote control, keep it out of the reach of untrained persons (children, etc.).
- The door must be watched when in movement.
  Keep people away until the door is fully opened or closed.
- **A moving door is very heavy.**
  Incorrect use, handling or malfunction can cause **serious accidents**.
- If you have any questions about this manual, please contact your installer.
- Always be very careful when using a door.

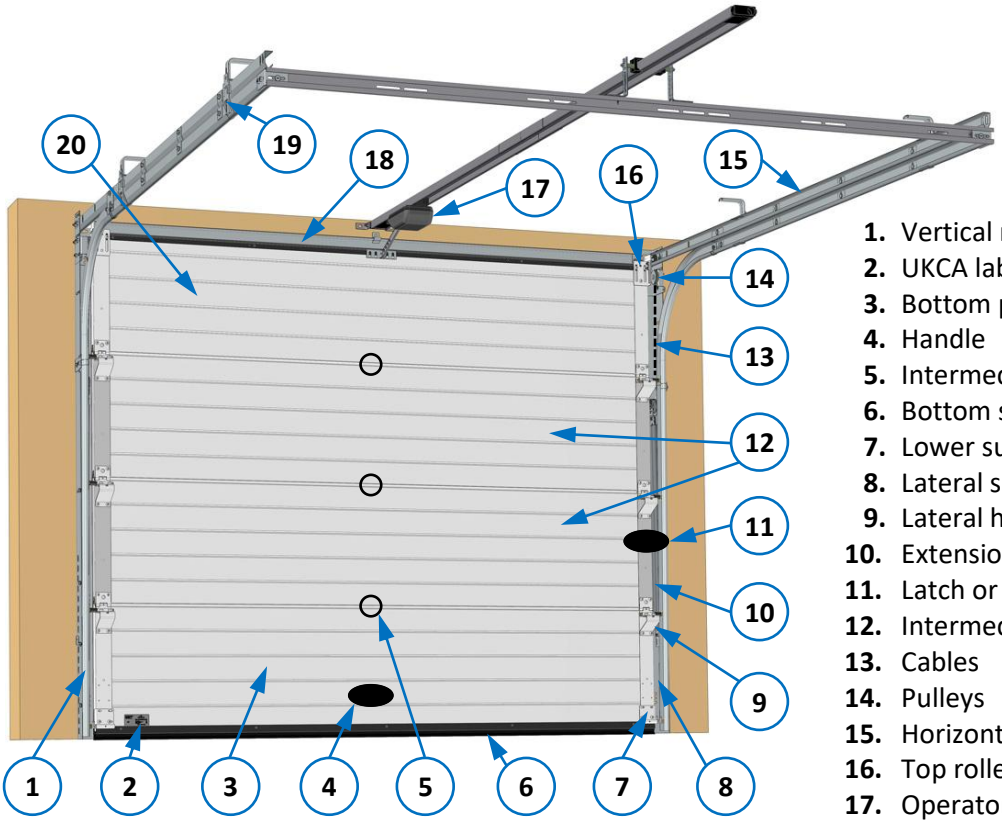
Description of the doors

SAFETY INSTRUCTION:
Incorrect installation, use or maintenance of this Sectional door can cause serious injury.
Make sure this door is CE marked.

Please follow these instructions:

- Installation, maintenance and repairs may be carried out only by qualified fitters.
- Before any installation, maintenance or repair, the fitter must read the installation manual. This manual is always supplied with the door and must be available on site.
- **A moving door is very heavy.** Incorrect use, handling or malfunction can cause **serious accidents**.
- Children are not allowed to operate this door.
- Always watch the door when operating it. No people, children or objects must be in the way!
- Keep fingers away from this door's panels, rails and other moving parts. Use only the handles provided for manual door operation.
- Make sure this door is regularly inspected and serviced by a professional.
- If a safety mechanism is engaged, do not use force to open or close the door. Contact your installer.

Extension Springs (RE100)

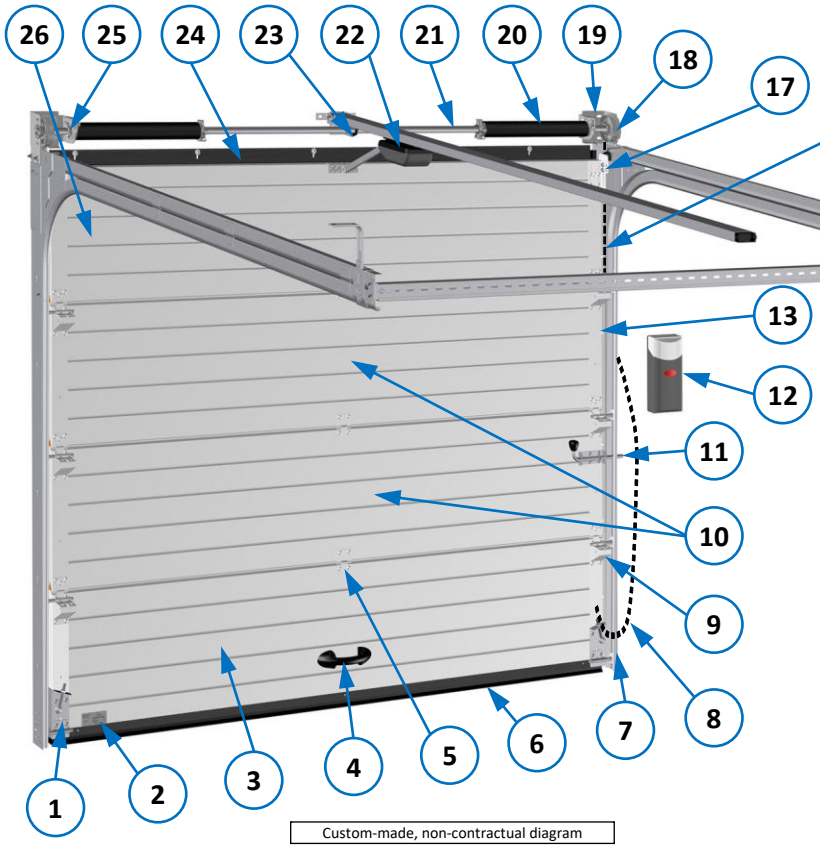


Custom-made, non-contractual diagram

1. Vertical rails
2. UKCA label
3. Bottom panel
4. Handle
5. Intermediate hinges, if PW > 2,600 mm
6. Bottom seal
7. Lower suspensions
8. Lateral seals
9. Lateral hinges
10. Extension springs
11. Latch or lock (optional)
12. Intermediate panels
13. Cables
14. Pulleys
15. Horizontal rails
16. Top roller supports
17. Operator with emergency operation
18. Cross-member + Header seal
19. Hangers
20. Top panel

The extension springs (10) and lower suspensions (7) are under tension!
Do not attempt to repair, remove or adjust them; Doing so can cause serious injury.
Contact a qualified technician for any necessary work.

Torsion Springs (RT200)

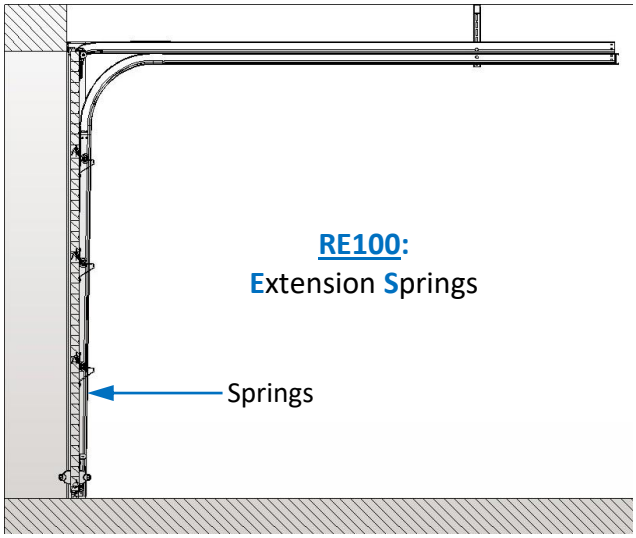


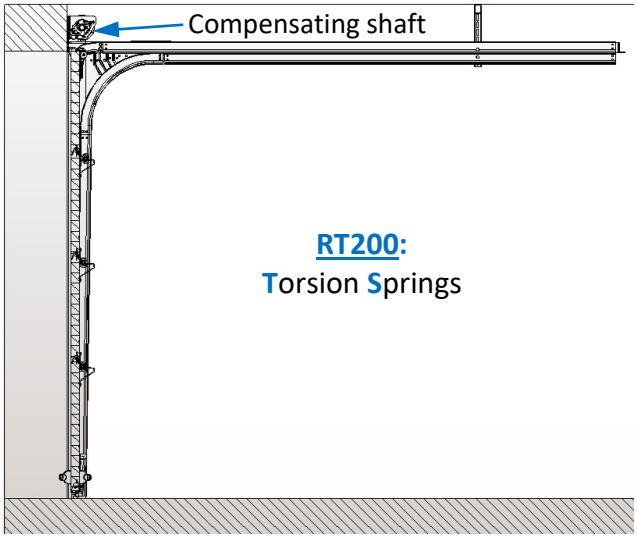
1. Lower suspensions
2. UKCA label
3. Bottom panel
4. Handle
5. Intermediate hinges, if PW > 2,600 mm
6. Bottom seal
7. Vertical rails
8. Pull cord (manual operation)
9. Lateral hinges
10. Intermediate panels
11. Latch or lock (optional)
12. Control box
13. Lateral seals
14. Hangers
15. Horizontal rails
16. Cables
17. Top roller supports
18. Cable drums
19. Lateral hanging brackets
20. Torsion springs
21. Compensating shaft
22. Operator with emergency operation
23. Spring mounting bracket
24. Cross-member + Header seal
25. Spring anti-fall guards
26. Top panel

The torsion springs (20) and lower suspensions (1) are under tension!
Do not attempt to repair, remove or adjust them; Doing so can cause serious injury.
Contact a qualified technician for any necessary work.

Guiding system

CAUTION:
Keep hands away from the guiding rails throughout the operation.





Wicket door (optional)

The wicket door allows pedestrians through the door, but is not considered an emergency exit.

The wicket door threshold is marked in yellow and black, be careful not to trip.

There is a safety switch on motorised doors that prevents their operation, if a wicket door is open.

Never place an object on any part of the door (e.g. stiffener).
It could fall when the door is operated.

Do not hang or lean on the wicket door, even to operate the door.

Safety equipment

To comply with designated regulations, doors must be equipped with safety devices that prevent the door from falling in case of spring failure (see chapter: Description of the doors).

Spring anti-fall guard:
The spring anti-fall guard is activated if the spring breaks.
It blocks the shaft with the cable drum; meaning the door can no longer be lowered.
The door will operate normally again once the broken spring is replaced by a qualified installer.

If a spring breaks, do not touch the door.
Secure the danger zone and call your installer.
Spring anti-fall guards may be released or replaced only by a qualified installer.
Never attempt to open or close a door when an anti-fall guard is engaged.

Principle of operation

The door is opened and closed under the vertical movement of the panels, guided by the rails. The panels are connected to the rails by rollers. The door is correctly balanced when the torsional force (torque) of the spring(s) compensates for the weight of the door, regardless of its position. The springs are fully tensioned when the door is closed.

Never disassemble the cables, cable drums or torsion springs.
Such operations are dangerous and must be carried out by a qualified installer.

Never wedge a poorly balanced door with an object.

Always watch the door when opening and closing.
Make sure no one and nothing is in the doorway or near the rails.

Risk of imprisonment:
Never shut yourself inside a room that has only one access.

Types of operation

Direct pull (manual):

Open: Hold the door by the handle and pull it upwards, moving the door at speed.
Do not make any sudden upward movements.

Close: Hold the door by the handle or cord and pull it downwards.
Do not make any sudden downward movements.

Motorised drive (electric control):

Information: The motorised Villa door has only the pulse operating mode.

⇒ **Pulse:** Control device that requires a brief manual action to initiate movement of the door.

Two additional factors must be taken into consideration:

⇒ **The user:** Trained or untrained.
⇒ **The installation:** Villa door without wicket door → Whether in a public area or not.
Villa door with wicket door → Outside of public areas only.

Please note: Users are considered to be « **trained** » once the employer, supervisor or owner of the premises has authorized them to close the door and given them information on how to use it (NF BS EN 13241: 2003+A2: 2016). These 2 points determine the safety protocol to be used.

Types of control

Standard control

2- or 4-function pulse transmitter:


or


The remote control must always be used within sight of the door.

Open: Press once on the button (selected by installer) to open the door.

Close: Press once on the same button to close the door.

Stop: Press once on the same button during opening or closing to stop the door immediately.

Please note: Each time you press on the transmitter, you initiate a movement → Open, stop or close.

Controller (optional)

Pulse key pad:

or


Open: Enter your code (**Sommer**) or press one of the 2 buttons at the top of the key pad (**Somfy**) of the operator you want to use.

Stop: Press a number (**Sommer**) or one of the 2 buttons at the top of the key pad (**Somfy**) of the operator you want to use within 20 seconds (**Sommer**) or 30 seconds (**Somfy**) of opening.

Close: Press a number (**Sommer**) or one of the 2 buttons at the top of the key pad (**Somfy**) of the operator you want to use within 20 seconds (**Sommer**) or 30 seconds (**Somfy**) of stopping.

Key switch box for pulse:

Open: Turn the key momentarily in one direction to trigger opening.

Stop: Turn the key momentarily in the same direction to stop.

Close: Turn the key momentarily in the same direction to trigger closing.

Please note: Each time you use the key, you initiate a movement → Open, stop or close.

Modifying the existing equipment or adding equipment that is not approved by the door manufacturer may cause malfunction or accidents.
For safety reasons, do not make any modifications yourself.
Only a qualified installer may make the necessary regulatory modifications.

Types of safety mechanism

To avoid any risk of damage and accidents, there must be nothing obstructing the movement of the door.

Contact safety mechanism with operator force limiter:

- If something obstructs the door while closing, the operator will stop the door at a distance from the obstacle.
- If something obstructs the door while opening, the operator will stop the door.

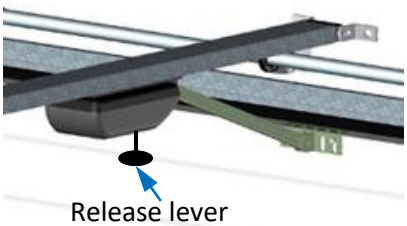
Cell-activated presence safety sensor (optional)**:**
The cells (transmitter/receiver) installed on either side of the door will stop the door from closing and reverse the movement if the beam is broken. If a cell malfunctions or is no longer powered, the door will no longer function. Contact your installer.

Emergency operation of a motorized door

This operation must be carried out with care and according to the following procedure.
If the door is not correctly balanced, the door may move in case of release.
The door must be closed or securely held during the operation.
If the door is open, make sure there are no people or objects in the bay during the release operation.

Release: Pull once on the lever near the operator arm.

Restart: Pull the lever near the operator arm again.
If the motor does not restart, move the door downwards manually to engage the operator.


Release lever

Prohibitions

NEVER:

- **Lean against the door or rails.**
- **Add or remove weight from the panels.**
- **Use the door as a hoist.**
- **Climb along the door.**
- **Hang or suspend yourself from the lateral hinges or stiffener.**
- **Engage or disengage the operator during operation.**

Risk of imprisonment:
Never shut yourself inside a room that has only one access.

Maintenance, repair and faults

Designated standards require frequent maintenance and inspection of closing mechanisms. For your own safety, set up a maintenance contract with a qualified company that will perform and determine the frequency of door maintenance. Maintenance of our products must be carried out using our maintenance logbooks, depending on the number of uses.

All door work must be carried out by a qualified professional installer.

If the panels of a manual door falls unaided (under its own weight) or during an emergency operation (motorised door), the door must be checked and inspected by a professional installer.

Never clean a door with a high-pressure cleaner or with aggressive cleaning agents.
Clean the door with soft, slightly damp paper towels (using non-aggressive soapy water if necessary).

Declaration of conformity CE

We, the undersigned, FTFM LA TOULOUSAINE, located in Escalquens (31676 Labège Cedex), declare that the product listed below complies with the requirements of harmonized standard NF BS EN 13241: 2003+A2: 2016 (supply of the product alone).

Consequently, we declare that the product listed below complies with the provisions of the following European regulations and directives:

Regulation (EU) No 305/2011: Marketing of Construction Products (manual and motorised doors).
Directive 2006/42/EC: Machinery (motorised doors).
Directive 2014/35/EU : Voltage Limits (motorised doors).
Directive 2014/30/EU : Electromagnetic Compatibility (motorised doors).

Levels of product performance:

Water tightness	Class: 2 (if wicket door: PND*)
Resistance to wind load	Class: 1 to 5 depending on door characteristics
Thermal transmittance	Class: PND*
Air permeability	Class: 2 (if wicket door: PND*)
Durability of water tightness, thermal resistance and air permeability	Class: PND*

(*) PND: Performance not determined

PRODUCT DESCRIPTION	
Place of manufacture	31750 ESCALQUENS - FRANCE
Model	Villa Sectional Doors
Use class	Industrial, commercial and garage doors (manual or motorised).
Notified bodies	CETIM - 7, rue de la presse - 42952 ST-ÉTIENNE CTBA - Allée de Boutaut - 33028 BORDEAUX

Escalquens, May 30, 2018

Pascal SOLA
Product Manager

Declaration of conformity

We, the undersigned, FTFM LA TOULOUSAINE, located in Escalquens (31676 Labège Cedex), declare that the product listed below complies with the requirements of harmonized standard NF BS EN 13241: 2003+A2: 2016 (supply of the product alone).

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Directive 2006/42/EC: Machinery (motorised doors).
Directive 2014/35/EU : Voltage Limits (motorised doors).
Directive 2014/30/EU : Electromagnetic Compatibility (motorised doors).

Levels of product performance:

Water tightness	Class: 3
Resistance to wind load	Class: +4 / -4
Thermal transmittance	Class: 2 or 2.2 W/m².K
Air permeability	Class: 2

PRODUCT DESCRIPTION	
Place of manufacture	31750 ESCALQUENS - FRANCE
Model	Villa Sectional Doors with Extension Springs (RE100). Dimensions max. 3,000x2,250, without wicket door and according to configuration.
Use class	Industrial, commercial and garage doors (manual or motorised).
Notified bodies	CSTB - 24, rue Joseph Fourier - 38400 ST-MARTIN D'HÈRES

Escalquens, May 30, 2018

Pascal SOLA
Product Manager

Declaration of performance No. 1303-RPC-SV

We, the undersigned, FTFM LA TOULOUSAINE, located in Escalquens (31676 Labège Cedex), declare that the products listed below comply with Annex ZA of standard NF BS EN 13241: 2003+A2: 2016. Doors and gates for industrial, commercial premises and garages. (Products without fire or smoke protection features).

The main intended use is to provide safe access to goods and vehicles that are accompanied or driven by persons in commercial or industrial premises, or in public or residential buildings.

Products concerned: CETIM no. 0526, FCBA (CTBA) no. 0380, CSTB no. 0679, SP no. 0402 carried out the tests required by the standard as per system 3.

Test reports no. 05/CTBA-IBC/PHY/3148/4 issued by the CTBA (Villa Sectio 3,500x3,000 mm).
Test reports no. 05/CTBA-IBC/PHY/3148/3 issued by the CTBA (Villa Sectio 5,000x3,000 mm).
Test reports no. 05/CTBA-IBC/PHY/3148/1 issued by the CTBA (Villa Sectio 3,000x2,000 mm).
Test reports no. 05/CTBA-IBC/PHY/3148/2 issued by the CTBA (Villa Sectio 3,000x2,000 mm).
Test reports no. 05/CTBA-IBC/PHY/3148/5 issued by the CTBA (Villa Sectio 5,000x2,000 mm).
Test reports no. 781395/150080 partial 9 issued by the CETIM (Villa Sectio 5,000x2,400 mm).
Test reports no. BV13-1045 issued by the CSTB (Sectio 3,000x3,400 mm).
Test reports no. 0402-CPR-562501 issued by the SP (Villa Sectio 3,500x2,500 mm).

ESSENTIAL CHARACTERISTICS	PERFORMANCE	TECHNICAL SPECIFICATIONS
Water tightness	2	
Emission of dangerous substances	Passed	Complies with § 4.2.9 of standard NF BS EN 13241: 2003+A2: 2016
Resistance to wind load	From 2 to 4	Class 4: 3,000x2,000 mm with and without windows Class 4: 3,500x3,000 mm with windows Class 3: 5,000x2,000 mm with windows
Thermal resistance (if applicable)	NPD	1.52 W/m².K: 5,000x2,000 mm without windows 1.65 W/m².K: 5,000x2,000 mm, 4 round-corner windows 1.7 W/m².K: 5,000x2,000 mm, 6 panel windows
Air permeability	2	
Opens in complete safety	Passed	Complies with § 4.3.3 of standard NF BS EN 13241: 2003+A2: 2016
Definition of the geometry of glass components	NPD	
Mechanical resistance and stability	Passed	Complies with § 4.2.3 of standard NF BS EN 13241: 2003+A2: 2016
Operating forces (for motorised doors)	Passed	Complies with § 4.3.3 of standard NF BS EN 13241: 2003+A2: 2016
Durability of water tightness, thermal resistance and air permeability with regard to deterioration	NPD	

June 21, 2017

Pascal SOLA
Product Manager

Declaration of performance No. 1311-RPC-SV-NF

We, the undersigned, FTFM LA TOULOUSAINE, located in Escalquens (31676 Labège Cedex), declare that the products listed below comply with Annex ZA of standard NF BS EN 13241: 2003+A2: 2016. Doors and gates for industrial, commercial premises and garages. (Products without fire or smoke protection features).

The main intended use is to provide safe access to goods and vehicles that are accompanied or driven by persons in commercial or industrial premises, or in public or residential buildings.

Products concerned: CSTB no. 0679 carried out the tests required by the standard as per system 3.

Test reports no. BV17-0101-A/B issued by the CSTB (Villa Sectio max. 3,000x2,250 mm with extension springs without wicket door).
Test reports no. BV17-284-A issued by the CSTB (Villa Sectio max. 3,000x2,250 mm with extension springs without wicket door).
Test reports no. BV17-285-A issued by the CSTB (Villa Sectio max. 3,000x2,250 mm with extension springs without wicket door).
Test reports no. BV17-286-A issued by the CSTB (Villa Sectio max. 3,000x2,250 mm with extension springs without wicket door).

ESSENTIAL CHARACTERISTICS	PERFORMANCE	TECHNICAL SPECIFICATIONS
Water tightness	3	
Emission of dangerous substances	Passed	Complies with § 4.2.9 of standard NF BS EN 13241: 2003+A2: 2016
Resistance to wind load	+4 / -4	3,000x2,250 mm smooth and other panels except raised panels
Thermal resistance		2 W/m².K: 3,000x2,250 mm without windows 2.2 W/m².K: 2,400x2,000 mm without windows 2.2 W/m².K: 3,000x2,250 mm with 3 windows 2.5 W/m².K: 2,400x2,000 mm with 3 windows
Air permeability	2	
Opens in complete safety	Passed	Complies with § 4.3.3 of standard NF BS EN 13241: 2003+A2: 2016
Definition of the geometry of glass components	NPD	
Mechanical resistance and stability	Passed	Complies with § 4.2.3 of standard NF BS EN 13241: 2003+A2: 2016
Operating forces (for motorized doors)	Passed	Complies with § 4.3.3 of standard NF BS EN 13241: 2003+A2: 2016
Durability	Passed	
Corrosion		Class: 1
Mechanical endurance		10,000 cycles min.

March 15, 2017

Pascal SOLA
Product Manager