User manual and maintenance guide

Sectional doors

TECHNICAL FILE

In accordance with the enclosure V of **Machinery Directive 2006/42/CE**

In accordance with standards:

- **UNI EN 13241-1** (Product rule for industrial, commercial and garage doors and gates) in which reference is made to the following standards
- **UNI EN 12604** (Industrial, commercial and garage doors and gates rule, mechanical aspects : requirements).
- **UNI EN 12453** (Industrial, commercial and garage doors and gates rule, safety in use of power operated doors: requirements)
- **UNI EN 12635** (Industrial, commercial and garage doors and gates rule, Installation and use)

We remind you that whoever sells and powers a door/gate becomes the automatic door/gate/operator constructor and has to predispose and keep the **technical file** which should include following documents.

☑ Analysis of the risks presented by the door/gate and description of adopted solutions *(make use of "analysis of risks" forms, to be filled in).*

☑ Door/gate overall drawing and table of the electrical connections and control circuits *(make use of " ensemble drawing - electrical table ", to be filled in).*

☑ Draw up the CE declaration of conformity (attaching the declarations of conformity of single installed components) and deliver to the user *(make use of "declaration of conformity" form, to be filled in).*

☑ Draw up the maintenance book and deliver copy to the user *(make use of "maintenance book" form, to be filled in).*

☑ Deliver to the final user all instructions for the unlocking system use and general safety advertising *(every instruction and maintenance manual coupled to DEA SYSTEM devices is provided with a detachable insert to be delivered to the final user).*

NOTE: Technical file should be kept at disposal of national competent authorities for at least ten years from the door/gate construction date.

Type of installation:

- ☐ Sliding gate
- ☐ Wing door
- ☐ Folding door
- ☐ Sectional door
- ☐ Spring door
- ☐ Barrier
- ☐ ...

Type of automation

- ☐ LIVI/X
- ☐ REV
- ☐ GULLIVER/N
- ☐ MAC
- ☐ STING
- ☐ LOOK
- ☐ OLI/N
- ☐ GEKO
- ☐ LIVI 502
- ☐ ANGOLO
- ☐ GHOST 100
- ☐ GHOST 200
- ☐ LIVI 902
- ☐ ADVANCE/N
- ☐ SPACE/N
- ☐ TEO 700
- ☐ LATO
- ☐ LIVI 550 PL
- ☐ WILL 140 E
- ☐ PASS/N
- ☐ STOP/N
- ☐ TRAFIK/N
- ☐ ROCK

Automation lable data

Automation 1	
Type:	
Code:	
Rev.:	
Serial N.	
Month:	
Year:	

Automation 2 if present	
Type:	
Code:	
Rev.:	
Serial N.	
Month:	
Year:	

Installation finishing date:

Unique Identification No.:

Installing references

Installing firm

Address

Installing name and surname

Stamp

Door/gate references

Gate owner's name

Address

RISKS ANALYSIS | GARAGE DOOR

In accordance with the enclosure V of **Machinery Directive 2006/42/CE**

In accordance with standards:

- **UNI EN 13241-1** (Industrial doors and gates: Product Rule) in which reference is made to following standards
- **UNI EN 12604** Industrial, commercial and garage doors and gates standard, mechanical aspects: requirements)
- **UNI EN 12453** Industrial, commercial, garage doors and gates standard, safety in use of power operated doors: requirements
- **UNI EN 12635** Industrial, commercial and garage doors and gates standard, installation and use

INSPECTIONS TO BE DONE ON THE STRUCTURE OF THE DOOR WHICH HAS TO BE AUTOMATED

Verify that the door supports the opening and closing movements without permanent deformations which influence the functioning. Make the door perform ten complete opening manoeuvres and ten complete closing manoeuvres at an operative speed and with a force not greater than: - 225N (~22,5 Kg) for garage doors in private areas - 390N (~39 Kg) for industrial/commercial doors Possible anomalies must be adjusted.	Verified ☐	NOT applicable ☐
After these test cycles, shape or dimensions deformations or wear traces do not have to appear.	Verified ☐	NOT applicable ☐
Use a "testing load", placing the anti-falling device in a position where its elements cover the maximum distance to reach the block position, then let the testing load fall. Verify whether the anti-falling device can immobilise testing load within the established space (300 mm).	Verified ☐	NOT applicable ☐
Repeat this test for a total of 3 times for doors which need to substitute the anti-falling device and for a total of 8 times for doors which do not need to substitute the anti-falling device.	Verified ☐	NOT applicable ☐
Be sure that after the anti-falling operation, the door can't do any dangerous movement.	Verified ☐	NOT applicable ☐
Verify that the failure of any of the door suspensions elements is unable to provoke a wing door falling of over 300 mm. It could be necessary to disconnect one by one all the suspension elements.	Verified ☐	NOT applicable ☐
Verify the presence of means which avoids the unhooking or the derailment of the wing or of other mobile parts following to the contact of a fixed obstacle or due to the breaking of a door suspension element.	Verified ☐	NOT applicable ☐
Verify that the door correctly and safely stops in correspondence of the end positions or stops: • You have to proceed with an obstacle constituted by a cube measuring 400mm each side, put on the floor and turned towards the working direction of the principal closing edge, placed first in the door centre (than at right and at left) and with the door manual moving against the obstacle at a speed of 0.3 m/s. • Moreover, you have to verify the end points resistance (limit switch stops) through the application of a force of 300N (~30 Kg) and a speed of 0.3 m/s (Execute this test twice while opening and twice while closing).	Verified ☐	NOT applicable ☐
If present, the failure of a suspension element as a cable, a chain or a belt, should be simulated. At the end of this procedure, verify that the door is still placed into the track and that it doesn't have permanent deformations in shape, altering the correct functioning of the track or of the door.	Verified ☐	NOT applicable ☐
Verify that possible thresholds, if more than 5mm height, are appropriately marked and highlighted by homologated black and yellow bands.	Verified ☐	NOT applicable ☐

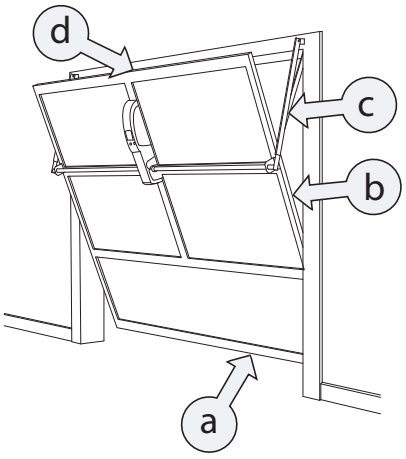
A1 RISKS OF CRUSHING, SHEARING, GUIDING, RAISING AND IMPACT.

1) Identify the minimum protection level of the primary requested edge which is to be adopted in different installing situations.

	MINIMUM PROTECTION LEVEL OF PRIMARY EDGE					
Activation commands type	Informed customers (private area)		Informed customers (public area)		Non informed customers	
Presence man function	Push button control	☐	Key switch control	☐	Presence man function is not possible	☐
Impulse command at door sight	Force limitation, or presence detectors	☐	Force limitation, or presence detectors	☐	Force limitation and photocells, or presence detectors	☐
Impulse command with door not at sight	Force limitation, or presence detectors	☐	Force limitation and photocells, or presence detectors	☐	Force limitation and photocells, or presence detectors	☐
Automatic command (e.g. closing temporized command)	Force limitation and photocells, or presence detectors	☐	Force limitation and photocells, or presence detectors	☐	Force limitation and photocells, or presence detectors	☐

Residential and single family sectional doors, which don't have automatic closing and do not open on a public access, can ignore obligations of following points: A1, A2, and A3 provided the operation unit is conforming to EN 60335-2-95.

2) Identify the risk areas

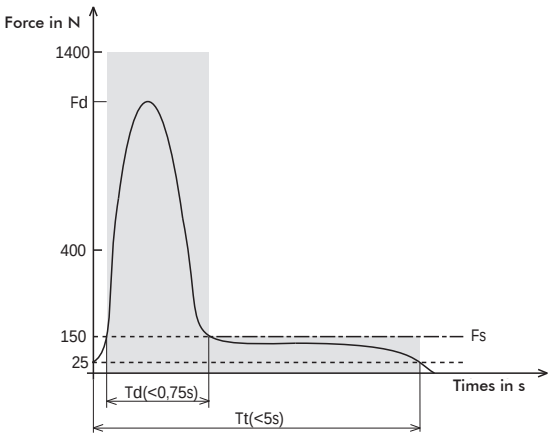
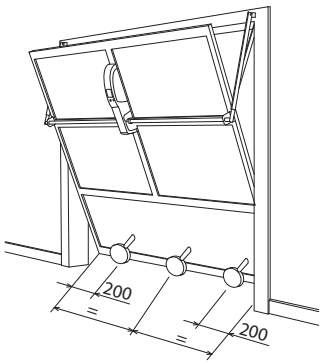
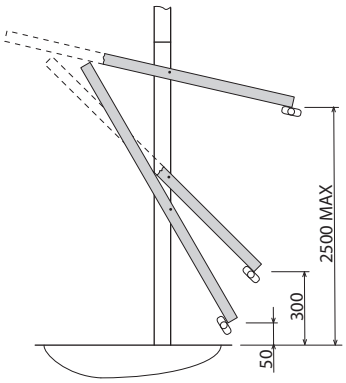
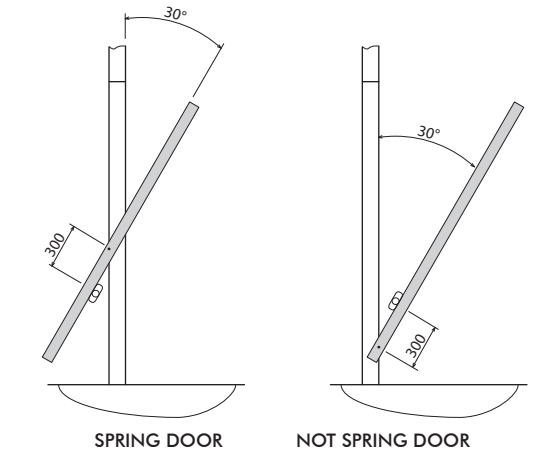


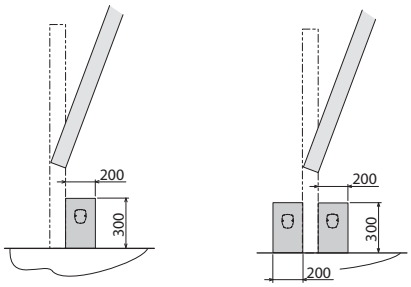
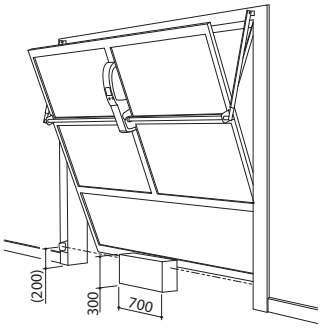
Fill in the table below adding the danger marks discovered (the typical ones are already listed) and the marks of adopted protection devices

Risk point/ area	Verified danger						Safeguards to be adopted	Adopted protection (insert correspondent mark)				
a	1	5	4				(S4) o (S5+S6) o (S7)					
b	2						(S1) o (S2) o (S4) o (S5+S6) o (S7)					
c	2						(S1+S3) o (S2)					
d	1	2					(S1+S2+S3)					
Other												
	1= Crashing 2= Shearing 3= Convoying 4= Raising 5= Impact 6= Other						S1 = Safety distances S2 = Shelters S3 = Surfaces modelling S4 = Human presence command S5 = Forces limitation (safety ribs or control panels with anti-crushing device) S6= Photocells S7 = Presence detector devices (sensitive platforms) S8 = Others					

3) Verify protections (only the ones adopted)

S1 Safety distances	Verify that edge, indicated at point F, is at a height more than 2500 mm. from the floor. If necessary, apply a guard device, e.g. a sensitive edge.	Verified ☐	NOT applicable ☐
	Verify that there's a distance of at least 2500 mm. between the superimposed edges (danger indicated with "a"), If necessary, apply rubber profiles to avoid any access to hands and fingers.	Verified ☐	NOT applicable ☐
S2 Guards	Eventual adopted guards have to be checked by inspection, making sure that there isn't any lacking protection danger until a height of 2.5 mt. from the floor. Protections have: - to resist to hurts (referring to their function) - to be loosened only by an instrument - not to create additional dangers - not to be easily neutralized, ignored or be ineffective.	Verified ☐	NOT applicable ☐
	Eventual other guards....	Verified ☐	NOT applicable ☐
S3 Modelling	Verify that sliding edges are rounded with a radius of at least 2 mm. for each edge and a combined radius (sum of the 2 radius) of at least 6 mm. for radius which meet.	Verified ☐	NOT applicable ☐
	Verify that there are no surfaces presenting sharp edges which may cause lesions. Verify that there are no protruding parts which may cause lesions. In case, apply rubber protections to avoid these risks.	Verified ☐	NOT applicable ☐

S4 Presence man command	Verify that manual actuators (e.g. keyswitch) are positioned so to avoid a dangerous position for whoever actuates them and are protected so to avoid any un-intentional action.		Verified ☐	NOT applicable ☐
S5 Force limitation	Verify that, when closing, forces (measured with the instrument imposed by EN12453) are lower than what specified in the diagram. Closing forces are measured in points as indicated. Every measurement should be the average of three readings. Repeat for each point force measuring with opened door of 50, 300, and 2500 mm. (or 300 mm. below the useful door opening). Measure direction has to be perpendicular to measure instrument disc. Besides, measures have to be taken on a complete door, completely equipped, with all built-in safety devices and adjusted as specified in manufacturer instructions.		Verified ☐	NOT applicable ☐
				
		 Execute also the force measure in secondary edges as indicated. Every measurement has to be an average of three readings.		
	Verify that door is not able to raise a weight of 20 Kg. (if in a public area) or 40 Kg. (if in a private area).		Verified ☐	NOT applicable ☐
	In case the automation doesn't have an internal device to limit the forces, it is possible to adopt some external devices, for example safety ribs (conformable to EN 12978). Measure impact forces as over mentioned too. Sliding can't be safeguarded by forces limitation.		Verified ☐	NOT applicable ☐
	Check that the devices used to limit forces or to detect any presence prevent dangerous situations also in case of single failure. Forces limitation devices incorporated in DEA SYSTEM control boards, range NET, grant the respect of this characteristic in conformity with EN 12453. Any other external device to limit forces, electro-sensitive (ESPE) or sensitive to pressure (PSPE), must be conformable with EN 12978.		Verified ☐	NOT applicable ☐

S6 S7 Photocells	Install a pair of photocells and check for correct installation. For these inspections, a test instrument has to be used. It is a rigid object with dimensions 700 mm. x 300 mm. x 200 mm., with 3 opaque sides and 3 reflecting (1 for each dimension). Place the test object as follows: it has to be placed in the detection area of the safety device so that it would stop and reverse the movement of the door (or to avoid start of movement of a stopped door). We suggest to install a pair of photocells at a height more than 1000 mm. in doors where trucks may pass. When photocells on both sides are adopted (e.g. when children may have impacts with the door) verify that there isn't any conflict between the two sides. In case of a residential sectional garage door which doesn't open on a public access area, and any time controlled command is foreseen, photocells use may be ignored.  SIDE VIEW  	Verified ☐	NOT applicable ☐
S8 Detector devices	Presence detector devices, whether they are pressure sensitive (PSPE e.g. sensitive platforms) or electro-sensitive (ESPE e.g. photoelectrical barriers), have to avoid the occurrence of dangerous situations even in case of single failure (see EN 12978). Evaluation tests of a suitable safeguard level of devices which prevent in any case a contact between the door while moving and a person, are described at point 5.2.1.8 of EN12453. This test is not carried out any more specifically because it is more convenient using a force limitation, available when adopting DEA System driving units able to offer the requested safeguard level (series NET).	Verified ☐	NOT applicable ☐
A2 RISKS RESULTING FROM FEEDING AND DRIVING UNITS			
	Check that electrical automation is conformable with standard LVD (2014/35/EU).	Verified ☐	NOT applicable ☐
	Verify that hydraulic drive units adopted are conformable with EN 982.	Verified ☐	NOT applicable ☐
	Verify that electrical appliances, except from driving units, are projected and constructed as foreseen in EN 60204-1 ("Machinery safety, Machinery electrical equipment")	Verified ☐	NOT applicable ☐
	Verify that there is a power interruption device (omni-polar switch, socket connection, etc....). It is important to safeguard this device from non intentional or non authorised connection (e.g. protect from improper use by children).	Verified ☐	NOT applicable ☐
	Verify that after a failure or a power interruption, drive may start functioning without generating dangerous situations.	Verified ☐	NOT applicable ☐
	Verify that after driving unit deactivation or power interruption, the door: - stops in a space lower than 50 mm. if opening space is lower than 500 mm. - stops in a space lower than 100 mm. if opening space is lower than 500 mm. - If this is not possible, a deformable edge must be present (its deformation must be higher than 50 mm. in the first case and higher than 100 mm. in the second case) and do not have to exercise a static force more than 150N (~15 Kg) on a tester of 80 mm. diameter.	Verified ☐	NOT applicable ☐
	Verify that drive destined to moving the door is conformable to standard EMCD (2014/30/EU).	Verified ☐	NOT applicable ☐

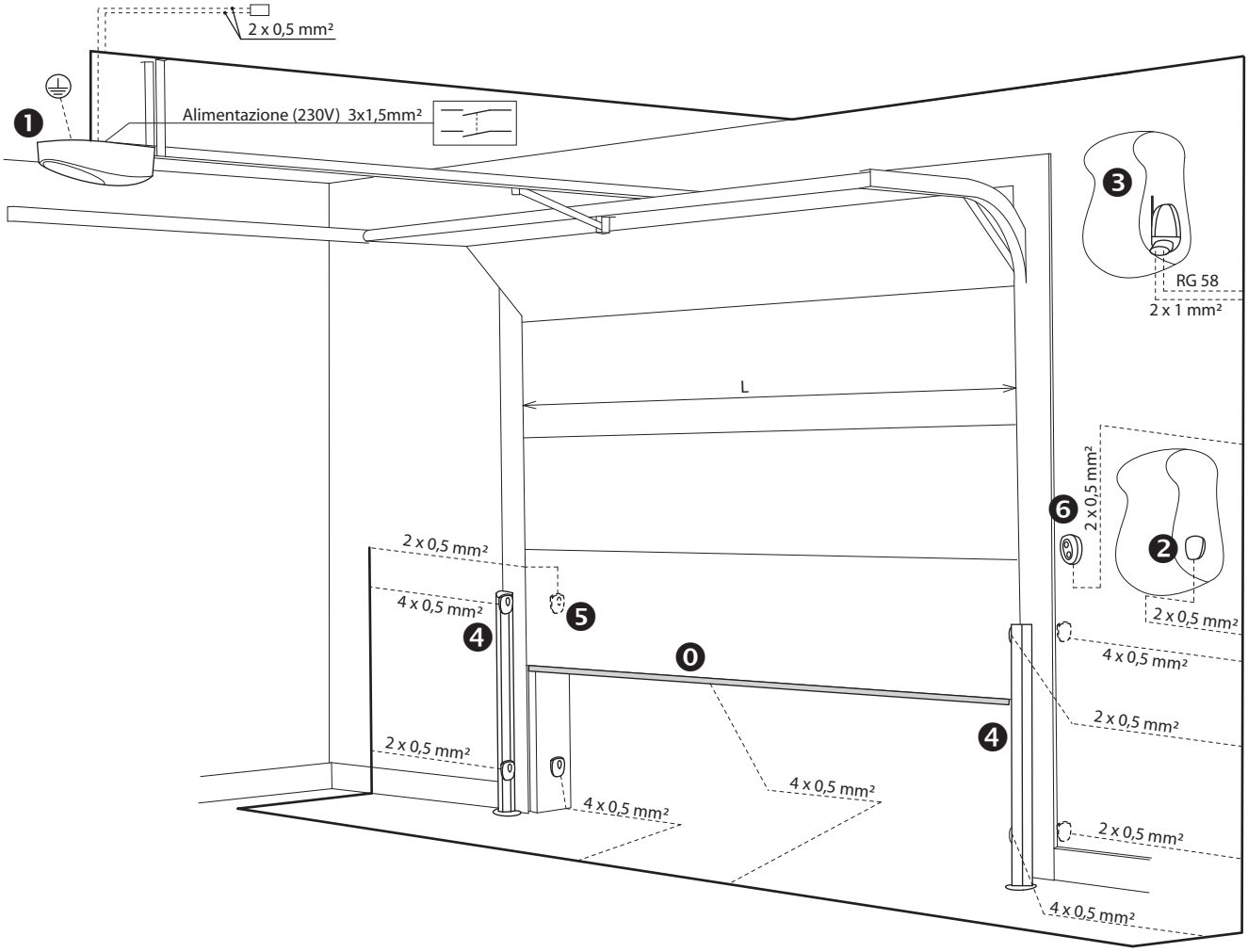
A3 RISKS RESULTING FROM MANUAL OPERATION			
	Verify correct functioning of unlocking system.	Verified ☐	NOT applicable ☐
	Check if doors are provided with handles, projections or handrail which permit manual working, placed so to avoid dangers like crashing, shearing, guiding, etc.	Verified ☐	NOT applicable ☐
	Verify that when activating the barrier boom by hand, the human physical effort doesn't exceed following figures: - 225N (~22.5 Kg.) for private areas garage doors. - 390N (~39 Kg.) for industrial/commercial doors.	Verified ☐	NOT applicable ☐
RISKS RESULTING FROM THE PRESENCE OF GATES/DOORS FOR PEDESTRIAN ACCESS			
	Check that, if a supplementary door is installed on the gate, and it can be opened while gate moves, a limit switch is adopted to grant that door remains closed while gates moves and to maintain the protection even in case of switch failure.	Verified ☐	NOT applicable ☐
TRAPPING RISKS			
	Check that it is possible to manually move the door using an easily reachable unlocking system.	Verified ☐	NOT applicable ☐
FALLING OR INVOLUNTARY MOVEMENT RISKS			
	Verify that door safety stop on limit switches.	Verified ☐	NOT applicable ☐
	Check that door doesn't perform a non intentional movement (e.g. exit from guides or falling down due to intensive use).	Verified ☐	NOT applicable ☐
ADDITIONAL PRECAUTIONS			
	It is proper to adopt additional precautions, e.g.: - Lighting door area - Positioning notices to inform about the presence of an automatic door - Installing flashing lights - Yellow and black stickers to signal remaining risks	Executed ☐	NOT applicable ☐

ADDITIONAL DUTIES

	Place a label with CE marking and identifying data as shown.	Product Rule EN 13241-1 (CPR 305/2011; 2006/42/CE; 2014/30/EU; 2014/35/EU) CE ⚠ Door driver Installer (name-address): _____ _____ Type of door: _____ Identifying number: _____ Construction year: _____	Executed ☐	NOT applicable ☐
	Deliver to final user barrier instructions e.g. how to use unlocking systems. Inside instructions and maintenance manuals coupled to DEA devices, a detachable insert is included.		Executed ☐	NOT applicable ☐
	Deliver to final user the Declaration of Conformity CE.		Executed ☐	NOT applicable ☐
	Give to final customer a maintenance program to be followed to ensure the safe and efficient operation of the system. Inform the customer about remaining risks and how they have been pointed out.		Executed ☐	NOT applicable ☐

ENSEMBLE DRAWING ELECTRICAL SCHEM	SECTIONAL DOOR POWER OPERATED BY SPACE/N

The reproduced drawing represents a generic installation.
Nevertheless, components choice and arrangement is a consequence of decisions arrived at during the risks analysis. Therefore, in the table, do not indicate unused components but add (in drawing also) other necessary devices added as a consequence of the risk analysis.



ELECTRICAL CONNECTIONS OF SINGLE COMPONENTS EXECUTED WITH CONTROL BOARD INCORPORATED IN THE MOTOR GROUP.

Door width **L=**	**Door height** **H=**	**Approximate door weight** **kg=**

CROSS THE SQUARES WITH USED COMPONENTS				
❶ ☐	Safety Rib	☐ art. C-16 ☐ art. 130 ☐ art. CR-16 ☐ art. 121N ☐ art. CC-16 ☐ art. 135/2 ☐ ...	❹ ☐	Internal photocell: ☐ art.LINEAR/XS ☐ art.LINEAR ☐ art.LINEAR/B ☐ art.105/N ☐ art.106/N ☐ ...
❶ ☐	☐ art. SPACE/N ☐ art. SPACE/N/L BOOST ☐ art. SPACE/N/XL ☐ art. SPACE/N/XXL ☐ ...		❺ ☐	External photocell: ☐ art.LINEAR/XS ☐ art.LINEAR ☐ art.LINEAR/B ☐ art.105/N ☐ art.106/N ☐ ...
❷ ☐	☐ art.DIGIRAD/N ☐ art.DIGIKEY/N ☐ art.102LUX ☐ art.GT-KEY ☐ ...		❻ ☐	☐ PULSY ☐ ...
❸ ☐	Flashing light	☐ art.AURA/N ☐ art.LED/B ☐ ...		

MAINTENANCE PROGRAMME

Following a programme of maintenance will ensure the safe and efficient operation of the system. The installer does not accept any responsibility for injury to persons or animals or any damage caused if a proper maintenance programme is not followed. The following details should be documented and retained for future reference

Installing references	Installing firm	**Stamp**
	Address	
	Installing name and surname	
Door/gate references	Gate owner's name	**Unique Identification No.:**
	Address	

The frequency of use of the system determines the frequency of maintenance. However this should be no longer than every six months.

ORDINARY MAINTENANCE INSPECTION	
Inspection date	Disconnect from electric supply and remove batteries, if fitted ☐ Check structural parts for any signs of corrosion ☐ Check all mechanical parts are free from any signs of wear and are adequately greased ☐ Check that ground stops are present and in good condition therefore preventing derailment / unhooking. ☐ Check that the manual unlocking system is working properly ☐ When the system is in the 'unlocked' position check that the door/ gate is sliding/turning properly ☐ When the system is in the 'unlocked' position check the doors, barriers, or sectional doors are properly balanced ☐ Check that all screws are securely tightened ☐ Check all electrical contacts for any sign of corrosion ☐ Check "O" ring to ensure water is being drained from exit shaft (Ghost 200) ☐ .....
Company name	
Signature of technician	Re-Connect power supply ☐ Check that the power cable is free from defects and in good condition ☐ Check limit switches (if present) for any defect ☐ Check correct force adjustment as described from EN 12453 ☐ Individually check all separate security devices (photo cells,sensitive edges etc.... ☐ .....
Signature of customer	
Date of next inspection .... (This must be determined as part of the maintenance programme)	

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Date of next inspection .... (This must be determined as part of the maintenance programme)

DECLARATION OF CONFORMITY

CE

In accordance with section II of the **machinery directive 2006/42/CE**

I, the undersigned representative of the following company

Company name	Stamp
Address	

Person authorised to compile the technical file

Name and surname	Address

Declares that the product named:

Type of automation ☐ Sliding gate ☐ Wing gate ☐ Folding gate ☐ Sectional door ☐ Garage door ☐ Barrier ☐ ...	Address of installation	
	Unique I.D. no. of unit	Year built
Type of motor	Name of owner	

Is/Are conformable to standards of legislation of the following Directives

☐ **CPR 305/2011 (construction products directive) and subsequent amendments**
☐ **Directive 2006/42/CE (machinery directive) and subsequent amendments**
☐ **Directive 2014/35/EU (low voltage directive) and subsequent amendments**
☐ **Directive 2014/30/EU (EMC directive) and subsequent amendments**
☐ **Directive 2014/53/EU (Radio Equipment Directive RED) and subsequent amendments**

And that the following standards and technical specifications have been applied

☐ **UNI EN 13241-1** Industrial doors and gates : product rule
☐ **UNI EN 12604** Industrial and commercial garage doors and gates, mechanical aspects: requirements
☐ **UNI EN 12453** Industrial and commercial garage doors and gates safety in use of power operated doors: requirements
☐ **UNI EN 12635** Industrial and commercial garage doors and gates installation and use
☐ **UNI EN 12978** "Industrial, commercial and garage doors and gates- Safety in use of power operated doors and gates Requirements and test methods"
☐ ...

This document becomes invalid when any part of this maintenance register has been disregarded

Place	Date

Legal representatives name	Signature

TEST REPORT

Copy for the installer

Installer data

Document number: _____

Product description: _____

B.code: _____

CLIENT or CUSTOMER		
First Name		Last Name
Installation Address (Street, Square, ...)		
ZIP Code	City	Prov.
Phone number		E-mail

THE PRODUCT IN QUESTION HAS UNDERGONE TESTING WITH A POSITIVE OUTCOME

PRELIMINARY CHECKS

☐	Completeness and integrity of the product
☐	Integrity of intrinsic safety features
☐	Absence of visible defects

ASSEMBLY VERIFICATIONS

☐	Correct assembly of components
☐	Affixing of marking (gate plate)
☐	Mechanical protections
☐	Electrical Hazard Warnings
☐	Mechanical Hazard Warnings
☐	Residual Risk Warnings

FUNCTIONAL VERIFICATIONS

☐	Idle movements in opening and closing
☐	Starting and stopping devices
☐	Emergency devices
☐	Safety devices
☐	Adjustments and settings

PERFORMANCE TESTS

☐	Performance correspondence
☐	Limited and acceptable functional noise
☐	Absence of hazardous emissions
☐	Absence of damage and deformations following the tests

Notes:

- The successful completion of the above-described testing procedures constitutes the suitability for the product's use, as well as the formal act of final delivery of the product itself, at its place of installation and use.
- The CE plate applied to the motorized door or gate must be similar to the one indicated below.
- The installing technician fully confirms the measurements and details of all functional verifications and tests mentioned above.
- The Client, by signing this report:
  - Confirms the adequacy and functionality of the product to its specific requirements, as well as its acceptance.
  - Declares to receive the product's instructions for use and maintenance, to review them, and to make them available to all those who will be authorized to use it. Also declares to have received all regulatory information regarding the use in question.
  - Commits to enforcing the correct use of the product and maintaining the appropriate level of good functioning and state of preservation, as specified in the instructions for use.
  - Declares to receive the CE Declaration of Conformity (in compliance with Annex IIA of Directive 2006/42/EC).

(*) REPORT IN THE PLATE ABOVE THE DATA RELATED TO THE SLIDING GATE AS REQUESTED.

Place and date: _____	
Installer's signature: _____	Customer's signature: _____

TEST REPORT

Copy for the customer

Installer data

Document number: _____

Product description: _____

B.code: _____

CLIENT or CUSTOMER		
First Name		Last Name
Installation Address (Street, Square, ...)		
ZIP Code	City	Prov.
Phone number		E-mail

THE PRODUCT IN QUESTION HAS UNDERGONE TESTING WITH A POSITIVE OUTCOME

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(*) REPORT IN THE PLATE ABOVE THE DATA RELATED TO THE SLIDING GATE AS REQUESTED.

Place and date: _____	
Installer's signature: _____	Customer's signature: _____

ACCEPTANCE REPORT

Customer Name:		
Address:		
Automatic Closure Description:		
Location:	**Identification N°:**	Stamp with Installer's Details

STRUCTURAL CHECKS

	OK, Verified	Repair / Overhaul	NOT Applicable
Solidity and stability of the structure and the mechanical support components (anti-fall)	☐	☐	☐
Condition and wear of wheels/bearings/hinges, or other sliding systems	☐	☐	☐
Condition and securing of the motor or components designated for movement	☐	☐	☐
Condition and solidity of the mechanical end stops (travel limitation of the door/leaf)	☐	☐	☐

SAFETY DEVICE CHECK

	OK, Verified	Repair / Overhaul	NOT Applicable
If installed, check the condition and operation of sensitive edges or safety profiles (active or passive)	☐	☐	☐
If installed, verify the correct functioning of photoelectric, laser, radar barriers... (All type 'E' devices)	☐	☐	☐
Presence of safety clearances around the automation's opening and closing areas	☐	☐	☐
If present, check the condition of safety guards (nets, grilles, rubber profiles, etc.)	☐	☐	☐
Operation and positioning of photocells (internal, external, and additional)	☐	☐	☐
Check the limits of impact or crushing forces	☐	☐	☐

GENERAL CHECKS

	OK, Verified	Repair / Overhaul	NOT Applicable
Condition and operation of the manual/mechanical release for manual opening/closing of the door	☐	☐	☐
If installed, check the operation of the manual opening/closing control/button and ensure it is not located in a hazardous area for the user	☐	☐	☐
If installed, check the condition and operation of the emergency stop control/button	☐	☐	☐
If accessible, check the condition and operation of the main electrical isolator/switch	☐	☐	☐
Check that the drive unit/motor resumes normal operation after a temporary loss of electrical power	☐	☐	☐
If there are thresholds with a height greater than 5/8 mm, check for highlighting and shaping	☐	☐	☐
Condition and operation of courtesy devices (flashing light, buzzer, reflectors, etc.)	☐	☐	☐
Presence and condition of the CE marking plate	☐	☐	☐
Presence of technical documentation (Technical File, Maintenance Register, etc.)	☐	☐	☐

ADDITIONAL NOTES

☐ **For Acceptance** ☐ **For Acknowledgment**

Date:	**Customer Signature:**	**Installer Signature:**

This document does not relieve the manufacturer of their responsibilities.