GB

NovoPort®

Table of Contents

General Information

Safety

Before commencing any work on the product, carefully read through the Operating Instructions from start to finish, in particular the section entitled "Safety" and the related safety advice. It is important for you to have fully understood what you have read. This product could prove hazardous if not used properly, appropriately or in accordance with the regulations.
Any damage occurring as a result of non-compliance with these instructions shall exempt the manufacturer from all liability.

Exlanation of symbols

⚠ **CAUTION: Danger to property!**
This symbol indicates that instructions are being given which, if not observed, could lead to damage, malfunctions and / or failure of the product.

Occupational safety

By following the safety advice and instructions provided in this Operating Manual, injury to persons and damage to property whilst carrying out work on the product can be avoided.

Failure to observe the safety advice and instructions provided in this Operating Manual as well as the accident prevention regulations and general safety regulations applicable to the range of use shall exempt the manufacturer or its authorized representative from all liability and render any damage claims null and void.

Hazards that can result from this product
The product has undergone a risk assessment. The design and execution of the product based on this corresponds to state-of-the-art technology. When used properly in accordance with the regulations, the product is reliable and safe to operate.
Nevertheless, a residual risk will always remain.

The product runs at a high voltage
Before commencing any work on electrical systems, please observe the following:
1. Disconnect from the power supply
2. Safeguard against a power restart
3. Establish that electricity supply is cut off

Spare parts
Only use the manufacturer's genuine spare parts.

⚠ Wrong or faulty spare parts can cause damage, malfunctions or even a total failure of the product.

Changes and modifications to the product
To prevent hazards and ensure optimum performance the product may not be subjected to any changes, modifications or conversions that have not been expressly approved by the manufacturer.

Dismantling

Dismantling takes place in reverse sequence to the Installation Instructions 13- 1.

Disposal

Observe the corresponding country-specific regulations.

Data plate

The data plate is located on the side of the motor head. Observe the specified power rating.

Packaging

Always dispose of the packaging materials in an environmentally-sound manner and in accordance with the local regulations on disposal.

Terms of the Warranty

Dear Customer,

During production the garage door operator you have purchased has undergone various checks by the manufacturer to ensure that it is of perfect quality and free from defects. Should this operator or part of it prove to be of no or limited use as a result of proven material or manufacturing defects, we shall rectify this, at our discretion, by means of a free-of-charge repair or replacement.

We shall not accept any liability for damage as a result of unsatisfactory fitting and installation, unsound putting into service, incorrect operation and maintenance, excessive use or overloading as well as any alterations or modifications carried out to the operator and accessory parts by the customer. The same shall also apply for damage incurred during transit or as a result of force majeure, external influences or natural wear as well as special atmospheric stresses. We cannot accept any liability following alterations or modifications of functional parts carried out by the customer. We must be notified of any defects immediately in writing; on request, the parts in question shall be sent to us. We shall not bear the costs for dismantling and installation, freight and carriage. If a complaint is proven to be unjustified, the customer must bear our costs.

This warranty is only valid in conjunction with the signed invoice and commences on the day of delivery. The manufacturer guarantees that the product is free from defects.

The warranty is granted for a period of 24 months, in as far as the verification overleaf has been properly filled out. Otherwise the warranty shall expire 27 months after the date of manufacture.

Technical Data

Operator type:	NovoPort II
Power rating:	230V / 50Hz50Hz
Power input:	4W / 280W
Short-time duty:	2 min.
Lighting:	230V /40W E27
External Lighting:	500W
Operating mode:	impulse operation, remote-controlled
Pull forces:	Fn = 165N, Fmax = 550N
Temperature range:	- -4°F - +140°Ff
For dry rooms only	

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44309 Dortmund

Retain these installation, operating and maintenance instructions for the full duration of the operator's service life!

GB

Installation Instructions

Installation should only be carried out by persons qualified to do so !
Incorrect installation can put the safety of persons at risk or cause damage to property!
Improper installation shall exempt the manufacturer from all liability.

Preparing for installation

1. To connect to the mains, a power point must be installed on site - the included mains lead is approx. 1 m long.
2. Check the stability of the door, retighten the screws and nuts on the door.
3. Check that the door is running smoothly and is in good working order, lubricate the shafts and bearings. Check the pretension of the springs and, if necessary, re-adjust.
4. Dismantle the existing door latches (bolt plate and catches).
5. For garages without a second entrance, an emergency release is required (accessory).
6. If a wicket door is included, fit the wicket door contact.
7. Check the supplied screws and wall plugs to ensure that these are suitable for the structural conditions on site.

0 Required tools

- Drilling machine with 6 mm masonry drill
- Sturdy side cutter
- Wrench, sizes 13, 15 and 17mm
- Slotted screwdriver, 3 mm wide
- Phillips screwdriver, size 2 x 100 mm

1 Choosing the installation side

Choose the installation side in accordance with the structural conditions on site. The standard installation side is on the right (as viewed from the inside) **1a**. For special installation situations see 25 and 26. Dismantle the top track roller and roller block on the door (operator side) and fit the supplied roller block **1b**.
Spray the track with silicone to achieve optimum running qualities.

2 Fitting the toothed belt

The top door track is used for installing the drive unit. Place the toothed belt with prefitted end clamp in the track (back of toothed belt facing upwards). Slot end clamp with hook onto vertical formed end piece **2a**.
To disengage the drive wheel, actuate the lever **2b**. Feed the toothed belt through the drive wheels of the motor head as shown in **2c**.
Insert drive unit with the drive wheels into the top track **2d**.

Inserting the limit stop (2e)

Position the limit stop at a distance of 50 cm (ordering height) from the frame under the toothed belt.
The limit stop should stop the operator approx. 5 cm above the desired open position.
Push end of toothed belt through the opening in the end assembly angle.

3 Fitting the rear toothed belt fastening

Feed the toothed belt through the end assembly angle and keep it taut **2a**. Slot sleeve halves, as shown in **3a** to **3c**, onto the toothed belt. Attach knurled nuts **3d** and turn to tension the toothed belt by hand. Make sure that you do not twist the toothed belt in the process. If the toothed belt overhangs, it can be shortened **3e**.

4 Inserting the top track roller

Select the top track roller in accordance with the door type **4a**.
Insert the track roller into track **4b**, adjust and screw on in accordance with figure **4c**. In the case of an HL door, fit track roller obliquely as shown in figure **4c**.

5 Fastening the door bracket

Place the door bracket on the designated drill holes of the top door leaf section and screw down with 3 self-tapping screws 6.3 x 16.

6 Inserting the lifting arm

Slot the lifting arm onto the bolt of the motor head **6a** and secure with clip. Hold the other side of the lifting arm between the door bracket and select hole setting **6b** (VL setting for construction years prior to 2006).
Push the bolt all the way through and secure with clip. Connect door to operator **6c**.

7 Sliding block

Slot the sliding block onto the track profile, push into the rear opening on the motor head and screw down with screw 4.2 x 13.

8 Mains connecting cable

The back of the control unit includes a chamber **8a**, where, if required, the excess mains lead can be stowed **8b**.

9 Connecting the coiled cable

At the back of the control unit there is a cable clamp **9a** for the two individual wires.
Insert red wire on left (1) and green wire (2) on right into the clamp **9b**. Insert plug into designated socket and allow to engage **9c**. Afterwards, feed the cable through the labyrinth **9d**.

10 Fastening the control unit

Install the control unit onto the side wall. At a distance of approx. 1 m from the door and 1.50 m from the floor, mark the spot for the first plug hole **10a**, drill the hole, insert the plug but do not screw in fully. Place the control unit with key hole onto the screw head. Align the unit and mark the remaining fixing holes **10b**, drill holes, plug and fasten with screws 4.2 x 32.

11 Wall clamp

Hold up the coiled cable in a vertical position. The maximum extension of the horizontally routed cable may not exceed three times the original length. Attach the wall clamp at the bend. Hold the clamp against the wall, mark the spot, drill, plug and screw to the wall using screw 4.2 x 45.

12 Connecting plan / aligning the aerial

Hinweise:
Notes:

- **Do not connect any current-carrying cables, only connect volt-free push buttons and volt-free relay outputs.**
- **Before initial operation, test the function and safety of the operator (see section "Maintenance and Checks").**

e. Connection for aerial
Route the aerial on the housing exit upwards **12**. When using an external aerial, the shielding must be assigned to the adjacent terminal (F, on right).

f. Connection for external impulse generator (accessories, e.g. key switch or digital coder)
g. Input STOP A
Connection for safety devices (accessories, e.g. wicket door contact). An interruption at this input end causes the door to stop during the opening or closing phase or prevents the operator from starting up in either direction.
h. Input STOP B
Connection for safety devices (accessories, e.g. one-way photocell). An interruption at this input end causes the operator to automatically change direction during the closing cycle only.
I. Voltage supply 24 V ~
(e.g. for one-way photocell), connection can take a max. load of 100 mA (do not exceed!)
j. Plug-in base for radio receiver
k. Connection for an external light, protected light or signal lamp (protection classification II, max 500W).

13 Lamp shade

The lamp shade conceals the terminal connections. To do this, feed the back part of the lamp shade underneath the guides of the control unit **13a**. Fasten the lamp shade with two self-tapping screws 4.2 x 16 **13b**.

14 Control elements

The control elements for programming the door operator are located behind the white cover. The cover can be opened with a screwdriver **14a**. Once the operator has been programmed, the cover is reclosed and serves as an interior push-button **23**.

A. The numerical display serves to indicate the menu stage, the respectively set value and the error / fault diagnosis.
a. The incremental display, lights up to indicate readiness for operation and flashes on acknowledgement of learned hand transmitter codes.
B. During the setting / adjustment phase button △ serves as an "UP" button and outside the menu as a START button.
C. During the setting 7 adjustment phase button ▽ as a "DOWN" button.
D. Button ⬭ serves to call up the settings / adjustment menu, to change the menu stages and store the settings.

Programming the control unit is menu-driven. Pressing button ⬭, calls up menu prompting. The numbers displayed indicate the menu stage. After approx. 2 seconds, the display flashes and the setting can be altered via buttons △ and ▽ verändert werden. The selected setting is stored via button ⬭ and the programme automatically jumps to the next menu stage. By repeatedly pressing the button ⬭ , menu stages can be skipped. To quit the menu, repeatedly press button ⬭ until "0" is displayed again. Outside the menu, button △ can be used to generate a start impulse.

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GB

15 Menu stage 3: setting the top end-of-travel position
Keep button ⬭ pressed for 3 seconds. A "3" is displayed **15a**.
Wait a short while until the "3" flashes.
Press button △ and check to see that the door opens.

If on pressing button △ the door travels in the opposite direction, keep button ⬭ depressed for a further 2 seconds.
The "3" flashes for a short time. The direction of travel has now been switched over.

Now press button△ to cause the door to travel to the desired upper OPEN end-of-travel position **15b**.
By pressing button ▽ the position can be corrected in the direction of closing. Once the door has reached the desired end-of-travel position, press button ⬭.
The operator stores the OPEN end-of-travel position and a "4" is displayed **15c**.

Check: the distance from the drive unit to the limit stop (see **2d**) must be approx. 5 cm.

16 Menu stage 4: setting the lower end-of-travel position
Press button ▽. The operator causes the door to travel in the CLOSE direction, as long as the button remains depressed **16a**. By pressing button △ the position can be corrected in the direction of opening.
Once the door has reached the desired CLOSE end-of-travel position, press button ⬭.The operator stores the CLOSE end-of-travel position and a "5" is displayed.
Press button ⬭ twice **16b** until a "0" is displayed.

17 Force-learning operations
CAUTION: When the door opens and closes in this operation mode, the operator is learning the force curves and is not force-limited! It is important that the travel operations are not interrupted.
Throughout these travel operations, a "0" is displayed.

- Press button △ **17**.
  The operator causes the door to open until the upper end-of-travel position has been reached.
- Press button △ again. The operator causes the door to close until the lower end-of-travel position has been reached.
- The displayed "0" goes out after approx. 2 seconds.

18 Menu stage 5: opening force limit
If you previously quit the setting menu, press and hold button ⬭ for 3 seconds until a "3" is displayed. Then press button ⬭ twice until a "5" is displayed.
After approx. 2 seconds the display flashes showing the set value of the opening force limit.
The factory setting is "6"!
Using buttons △ and ▽ the value for the force limit can be increased or decreased.
After selecting the setting, press button ⬭.
A "6" is displayed.

19 Menu stage 6: closing force limit
After approx. 2 seconds the display flashes showing the set value of the closing force limit.
Using buttons △ and ▽ the value for the force limit can be increased or decreased.
After selecting the setting, press button ⬭. A "0" is displayed.
Finally, check the force settings and, if necessary, repeat the setting procedure.

The force at the main closing edge must not exceed the values specified in DIN EN 12453. Depending on use of the door and the national regulations, more further-reaching measures may be necessary. This applies, e.g. to collective garages, underground garages etc.

If the closing force is set too high, the safety of persons can be placed at risk or property could sustain damage.
The factory setting is "4"!

20 Checking the force limit device
- Place an obstruction (e. g. operator's cardboard box) underneath the door's closing edge.
- Start the door from the OPEN end-of-travel position.
- The door travels towards the obstruction, stops and re-opens.
- The incremental display (**a**) must switch off for approx. 1 second. The operator then functions as normal again.

If the door springs were altered, the force-learning operation must then be repeated:
Call up menu stage 5 and keep button ⬭ depressed for 3 seconds. A "0" is displayed. Then carry out force-learning operations as explained under point **18**.

21 Menu stage 1: programming the starting function for the hand transmitter
Briefly press button ⬭.
A "1" is displayed.

As soon as the display starts flashing, keep the button of the hand transmitter, with which you would later like to start the operator, pressed for approx. 1 second.
As soon as the code has been read in, this is acknowledged by the red incremental display (**a**) flashing five times.
Further hand transmitters (up to a max. of 10 button codes) can be programmed.

22 Menu stage 2: programming the light function for the hand transmitter
Briefly press button ⬭.
A "2" is displayed.
Note: If no 4-minute light is to be programmed, press button ⬭ once again.
A "0" is displayed indicating that the programming is completed. Press the second button on the hand transmitter with which the 4-minute light is to be switched on.
As soon as the code has been read in, the red incremental display (**a**) flashes five times by way of acknowledgement.
On completing the learning procedure, briefly press button ⬭. A "0" is displayed. Menu ended.

Deleting all the hand transmitters programmed for the operator:
Plug operator into mains and at same time keep button ⬭ depressed.

Settings

Menu stage 7: light phases
Keep button ⬭ depressed for 3 seconds. A "3" is displayed. Press button ⬭ repeatedly until menu 6 is displayed.
Keep button ⬭ depressed again for 3 seconds until a "7" is displayed.

Menu Value	Light phase	Advance warning phase
0	60 s	-
1	90 s	-
2	120 s	-
3	240 s	-
4	0 s	3 s
5	90 s	3 s
6	240 s	3 s
7	0 s	10 s
8	90 s	10 s
9	240 s	10 s

The setting can be altered via buttons △ and ▽.
When the early warning phase is set, the light flashes before the operator starts up and whilst the door is moving (factory setting is 1).
Press button ⬭ to end the menu.

23 Internal impulse generators
The cover on the control unit is used as an impulse generator for opening and closing from inside the garage. Briefly press the cover and the operator starts up.

24 Disengagement
The operator is equipped with a quick release. By pulling the pull cord with knob **24a**, the operator can be permanently disengaged from the door **24b**. A "8" is displayed.
The motor head can be re-engaged at any point between the two limit switch actuators. To lock in place, press down lever **24b**.

25 Installation on LH side of door
If favoured by the structural conditions on site, the operator can also be installed on the left-hand side **25a**. Loosen bolts on motor head with wrenches (SW 10 and 17 mm) **25b** and screw them back on the other side **25c**.

26 Low-mounted control unit
If the control unit cannot be positioned directly underneath the track **26a**, the coiled cable can then be routed to the motor head using the supplied second cable clamp and the punched tape **26b**. The extendible part of the coiled cable may be stretched by a maximum of factor 3 and the permanently laid part by a maximum of factor 7.
If the coiled cable is not long enough, the extension set (accessory) should be used.

27 Connection for wicket door contact
Advantageous is the option of connecting the wicket door contact to the drive unit.
- Remove housing **27a**.
- On the white plastic component, break out the side wall towards the door **27b**.
- Route cable from wicket door contact over the lifting arm and fasten with cable binder **27c**.
- Remove jumper from terminal block **27d** and insert cable **27e**.
- Place housing back on again and screw down **27f**.

Check: Open wicket door, an "8" is displayed.

Retain these installation, operating and maintenance instructions for the full duration of the operator's service life!

GB

Operating Instructions

Information regarding the operation instruction
These operating instructions describe how to use the product properly and safely. The safety advice and instructions as well as the local health and safety regulations and general safety regulations for the range of use must be observed.

All persons using the door system must be shown how to operate it properly and safely.
When the operator is being actuated, any opening and closing phases must be monitored.
Keep hand transmitters out of the reach of children.
It must be ensured that neither persons nor objects are located within the door's range of travel.

Functional sequence
The garage door operator can be actuated by push-button on the control unit (figure **23**) or by other impulse generators, such as hand transmitters, key switches etc. It is only necessary to generate a short, sharp impulse.

Initial impulse:
Operator starts up and causes the door to travel to the set OPEN or CLOSE end-of-travel positions.

Impulse generated while the door is in motion:
Door stops.

A new impulse:
Door continues to move but in the opposite direction.

Internal safety device
If the closing door encounters an obstruction, the operator stops and causes the door to open to its top end-of-travel position in order to clear the obstruction.
During the last 2 seconds of closing, the door only opens slightly, this being sufficient to clear the obstruction but otherwise preventing anyone from being able to see inside the garage.
If the opening door encounters an obstruction, the operator stops immediately. The door can be closed again be generating a new impulse.

External safety deviced
Wicket door contact STOP A
An open wicket door stops the operator immediately or prevents it from starting up.
Photocell defective (STOP B)
If the photocell is interrupted whilst the door is closing, the door stops and reverses direction. An interruption while the door is opening has no effect.

Quick release
When altering settings or making adjustments, in the event of a power failure or malfunctions, the door can be disengaged from the operator by actuating the pull cord with knob on the lifting arm (figure **24a**), so that it can be operated manually.
To resume operation of the operator, press the lever on the motor head (figure **24c**) and the operator re-engages.
If the door is to be operated manually over a longer period of time, then the door latches which were taken out of service for power operation, must be refitted, otherwise the door will not be latched when closed.

Lighting
The lighting switches on automatically whenever a start impulse is generated and switches off again after the set time phase (factory setting approx. 90 seconds).

A second button on the hand transmitter can be programmed for 4-minutes light (figure **22**). When the button on the hand transmitter is pressed, the light switches on independent of the motor and switches off again after approx. 4 minutes.

Changing the light bulb:
Pull out the mains plug and open the lamp shade using a Phillips screwdriver size 2 x 100. Replace the light shade (230 V, 40 W, cap E27) and screw the lamp cover back on again.

Signal light
If a signal light for signalling the opening and closing phases is installed, this flashes together with the lamp in the operator as soon as a start impulse is generated. The operator starts with a time delay in accordance with the set early warning phase (see Special Settings in menu stage 7).

Hand transmitters
Programming further hand transmitters:
See menu stages 1 and 2 (figures **21** and **22**).
Changing the battery: slide back the battery compartment cover on the hand transmitter.
Take out the battery.

Insert a new battery (alkaline 23A, 12V). Be sure to pole correctly! Slide the cover back on.

Empty batteries must be disposed of separately (toxic waste)!

Maintenance / Checks

For your own safety we recommend that the door system be checked by a specialist after initial installation and then regularly at intervals of 1 year minimum.

Monitoring the force limit
The operator control unit features a dual-processor safety system to monitor the force limit.
The integral force cut-out is automatically tested at each end-of-travel position.
The door system must be checked before initial operation and at least once a year thereafter, In the process, the force limiting device (figure **20**) must be tested!

Caution! If the closing force is set too high, this can result in injury to persons and damage to property.

The opening force can be readjusted in menu stage 5, the closing force in menu stage 6.

Retain these installation, operating and maintenance instructions for the full duration of the operator's service life!

GB

Trouble-shooting Guide

Important note: when working on the operator, always pull out the mains plug beforehand!!!

Malfunction	Possible causes	Remedy
Door does not open / close fully.	Door mechanics have changed. Closing / opening force has been set too low. End-of-travel position set incorrectly.	Have door checked. Set correct force (menu stage 5 and 6.) Reset end-of-travel position 17.
After closing, door opens again slightly.	Door blocks shortly before reaching closed position. End-of-travel position set incorrectly.	Remove obstruction. Reset CLOSE end-of-travel position 17.
Door fails to move although motor is running.	Coupling is not engaged.	Re-engage operator **25b.**
Door does not respond to impulse from hand transmitter - but does respond to push-button or other impulse generators.	Battery in hand transmitter is flat. Aerial not plugged in / aligned. No hand transmitter programmed.	Replace battery in hand transmitter. Plug in aerial / align. Programme hand transmitter (21 menu stage 1).
Door does not respond to impulse from hand transmitter nor to other impulse generators.	See diagnostic display.	See diagnostic display.
Insufficient range of hand transmitter..	Battery in hand transmitter is flat. Aerial not plugged in / aligned. On-site screening of receive signal.	Replace battery in hand transmitter. Plug in aerial / align. Connect external aerial (accessories).

Diagnostic Display

During operation, the display provides diagnostic information on any possible faults and / or malfunctions

Number	Status	Diagnosis / Remedy
0	Operator starts up and ”0” goes out.	Operator receives a start impulse at the START input or via a receiver. Normal operation.
1	Door neither opens nor closes.	STOP A connection interrupted. External safety device has been activated (e.g. wicket door).
2	Door no longer closes.	STOP B connection interrupted. External safety device has been activated (e.g. photocell)
3	Motor fails to rotate.	Call in a specialist company.
4	Continuous impulse at the start input.	Door no longer accepts a start impulse. External impuls generator produces a permanent impluse signal (e.g. Button jammed).
8	Operator disengaged (following emergency release) or wicket door contact activated.	Operator is disengaged, re-engage **24c.** Check wicket door contact.
0	”0” stays displayed when door next opens and closes, then goes out. ”0” continues to be displayed.	Operator is in process of learning the force limit. **CAUTION**: these operations are not force-monitored 17!
9	Safety test has been triggered.	Pull out the mains plug, if ”9” continues to be displayed, replace the control unit.

Subject to changes

Retain these installation, operating and maintenance instructions for the full duration of the operator’s service life!

GB

Inspection Log Book for door system NovoPort

Operator of the door system: _____

Location of the door system: _____

_____

Operator data

Operator type: NovoPort II
Power rating: 230V / 50Hz
Lighting: max. 40W internal
Operating mode: impulse operation, remote-controlled
Power input: 4W / 280W
Pull forces: Fn = 165N, Fmax = 550N
external: max. 500W
Short-time duty: 2 min.

Door data

Type: _____ Model: _____

Serial no.: _____ Year of construction: _____

Door dimension: _____ Leaf weight: _____

Installation and initial operation

Company, fitter: _____ Name, fitter: _____

Commissioning on: _____ Signature: _____

Other particulars

_____

_____

_____

Subsequent changes

_____

_____

_____

Testing the door system

General matters

On commissioning and in keeping with the intervals prescribed by the manufacturer in the maintenance instructions and, if necessary, in view of special national regulations (e.g. BGR 232 "Directives for power-operated windows, doors and gates"), power-operated doors must be tested and/or serviced by appropriately qualified fitters (person with suitable training, qualified as a result of knowledge and practical experience) or technical experts.

All maintenance and testing work is to be recorded in this inspect & test log book.

The operator is to keep the book safe together with the door documentation during the entire service life. Completely filled in, the fitter is to hand the book over to the operator at the very latest - on the door being commissioned. (This is also our recommendation for manually operated doors.)

It is absolutely essential that the specifications in the door documentation (fitting, operating and maintenance instructions etc.) are noted.

The manufacturer's guarantee ceases to apply should the testing / maintenance not be properly undertaken!

Any modifications to the door (to the extent as permissible) have also to be noted down into the documentation.

Caution: A test is not the same thing as maintenance!

Retain these installation, operating and maintenance instructions for the full duration of the operator's service life!

GB

Door check list

Tick to record the extent of fittings on the door being commissioned

1.0 Door	**properties to be examined**	**present**	**not pres.**
1.1 Smooth running of the door	(all positions)	☑	☐
1.2 Fastenings / connections	(state / fit)	☑	☐
1.3 Pivots / hinges	(state / lubrication)	☑	☐
1.4 Casters / casters holders	(state / lubrication)	☑	☐
1.5 Seals / Abrasive strips	(state / fit)	☑	☐
1.6 Door frame / door operation	(alignment / fastening / state)	☑	☐
1.7 Door leaf	(alignment / state)	☑	☐
1.8 Bolting / lock	(state / function / lubrication)	☐	☐
1.9 Wicket door	(function / door closer)	☐	☐
2.0 Counterbalance			
2.1 Steel wire ropes	(state / fit)	☐	☐
2.2 Rope fastening	(state / fit)	☐	☐
2.3 2 safty windings on rope drum	(state)	☐	☐
2.4 Anti-drop device	(state)	☑	☐
2.5 Concentricity of T-shaft	(state)	☐	☐
2.6 Springs	(state / fit / tension)	☑	☐
2.7 Safty elements (Cotter pins, spring cotters, etc.)	(state / fit)	☑	☐
3.0 Operator / control		☐	☐
3.1 Operator / console	(state / fastening)	☑	☐
3.2 Electrical leads / connections	(state / fit)	☑	☐
3.3 Power transmission device	(state / lubrication)	☑	☐
3.4 Quick- / emergency release	(state / function)	☑	☐
3.5 Wicket door contact	(state / function)	☐	☐
3.6 Switch / hand transmitter	(state / function)	☑	☐
3.7 Limit shutdown	(state / function)	☑	☐
3.8 Additionals safety equipment	(state / function)	☐	☐
5.0 Crush and shearing point protector			
5.1 Locking edge security	(state / function)	☐	☐
5.2 Power limit	(function as per EN 12453)	☑	☐
5.3 Light barriers	(state / function)	☐	☐
6.0 Documentation			
6.1 Nameplate / CE marking	(complete / legible)	☐	☐
6.2 Door conformity declaration	(complete / legible)	☐	☐
6.3 Nameplate - spring break safety	(complete / legible)	☐	☐
6.4 Inspection log book	(on hand / legible)	☐	☐
6.5 Fitting / operating / Maintenance instruction	(complete / legible)	☐	☐

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GB

Test and Maintenance Supporting Records for Door System

Date	Work carried out / Steps needed	: Test carried out:	Shortcomings put right
		Signature / Company address	Signature / Company address
	Commissioning, initial test		

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