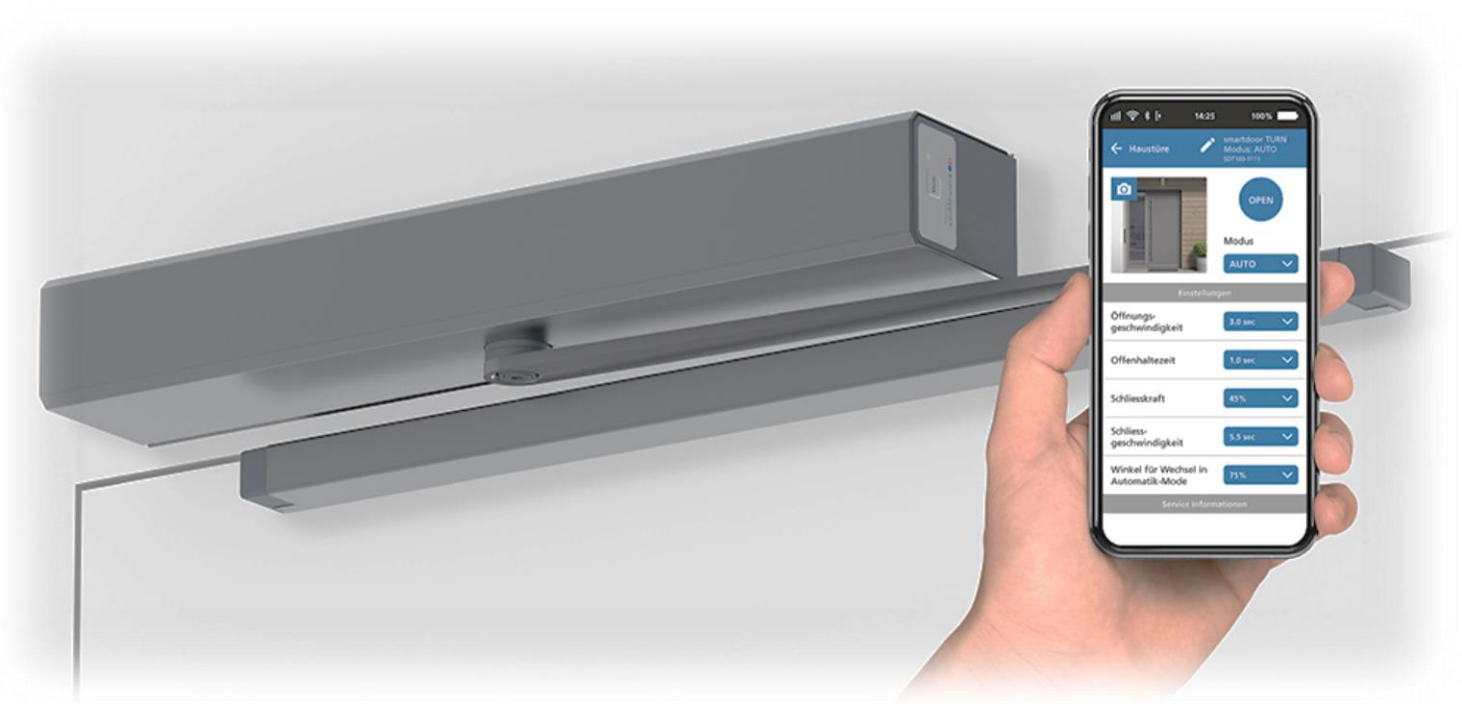


Inspection book



Swing Door Opener *smartdoor TURN T100*

Inspection book

Sense and purpose of the test book

When handing over the automatic door system, the operator must be given the test book including operating instructions and other documents by the person placing it on the market after it has been commissioned for the first time.

The inspection book is the "check book" of the door system and serves, among other things, to prove the safety-related condition of the door system (commissioning, maintenance records, security check, etc.) in the event of damage.

The operator must keep the inspection book, as the results of the at least once annual safety check by the service technician are documented in the inspection book.

Commissioning

REF: 301010a 301011

SN:-.....-.....-.....-.....-.....

Manufacturer:

Phone (manufacturer)

Installation firm:

Phone (installation firm):

Object location:

Objekt city:

Date of commissioning:

Mounting type:

	Lintel assembly		Door leaf assembly	
	Opposite hinge	Hinge side	Opposite hinge	Hinge side
Scissor linkage	<input type="checkbox"/>			<input type="checkbox"/>
Sliding linkage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Protective equipment:

	yes	no
Emergency control device present?	<input type="checkbox"/>	<input type="checkbox"/>
Does the presence sensor monitor the complete door width?	<input type="checkbox"/>	<input type="checkbox"/>
Does the drive monitor the presence sensor system?	<input type="checkbox"/>	<input type="checkbox"/>
Is the secondary closing edge secured (e.g., finger protection)?	<input type="checkbox"/>	<input type="checkbox"/>
Are the required safety distances maintained? (see also risk analysis)	<input type="checkbox"/>	<input type="checkbox"/>
In the case of protection with force limiting: Are the forces / times maintained?	<input type="checkbox"/>	<input type="checkbox"/>

Additional tests:

Note results here!
Measurement of the forces according EN 16005, chapter 5.2

Measure operating forces:

Normal door: EN 16005, chapter 4.6.4.1 (latch: max. 90N / opening: max. 67N)
Escape door with break-out function: EN 16005, chapter 4.7.2.2 (latch: max. 220N / opening: max. 150N)

Measure opening and closing times:

(siehe Betriebsanleitung, Einsatzbereich und Öffnungszeiten im LOW-ENERGY Betrieb)

Measure force for stopping a moving door leaf:

Normal door: EN 16005, chapters 4.6.4.1 and 4.6.7.3 (static force: max. 150N)
If required (is already covered by time measurements): dynamic forces (chapter 4.6.7.2)

Measure force for manual movement:

Normal door: EN 16005, chapter 4.6.4.1 (opening: max. 67N)
Escape door with break-out function: EN 16005, chapter 4.7.2.2 (opening: max. 150N)

Note adjustments which have resulted from the above measurement:

Name of the inspector:

Signature:

Before the initial commissioning of installed automatic door systems this acceptance check must be carried out at the place of use by someone who has been trained by the manufacturer of the drive unit.

The test results must be submitted in writing and retained by the operator for at least a year.

Recurring inspection and maintenance



Date	Maintenance and repair work	Changes retrofit operations	Additional work	Name / Unterschrift

Check list Operator checks

Step	Process	Result	Done
1	General visual inspection for damage, wear	No visible damage or wear	<input type="checkbox"/>
2	Deactivate lock or other peripherals		<input type="checkbox"/>
3	<ul style="list-style-type: none"> • Switch off drive (chap 7.1) • Wait 5 s • Open door approx. 30° • Switch on main switch 	3 beeps, door closes slowly	<input type="checkbox"/>
	If Automatic mode is not yet active, set side MODE button to automatic operation.	Green LED lit (not flashing)	<input type="checkbox"/>
5	Nudge closed door by hand	The door opens and closes after the adjusted hold-open time.	<input type="checkbox"/>
6	Actuate corresponding operating elements for opening the door, e.g., switches, push buttons, sensors etc.	The door opens and closes after the adjusted hold-open time.	<input type="checkbox"/>
7	Place an obstacle in the way of the door respectively during opening and closing (e.g., chair, foot or similar.)	<ul style="list-style-type: none"> • Open: Door stops and stays in one place • Close: Door stops and opens again slowly 	<input type="checkbox"/>
8	Activate lock or other peripherals		<input type="checkbox"/>
9	Activation of the presence sensors (if present) when opening and closing the door	<ul style="list-style-type: none"> • Open: Door stops and stays in one place • Close: Door stops and opens again slowly 	<input type="checkbox"/>

Maintenance check list

In commercial operations, maintenance must be carried out annually according to the check list by trained personnel. The test results must be submitted in writing and retained by the operator for at least a year.

Step	Process	Result	Done
1	General visual inspection for damage, wear, wire routing	No visible damage or wear, wires all fixed in place	<input type="checkbox"/>
2	Use the Service Tool to set the following parameters: -Behaviour - obstacle when opening = stop -Behaviour - obstacle when closing = reverse -Extension of hold-open time = 5s -Max. hold-open time = 10s -Number of attempts for obstacle when closing = 5 -Number of attempts at continuously open = 3	Note down the original parameters of the system: -Behaviour - obstacle when opening = -Behaviour - obstacle when closing = -Extension of hold-open time =s -Max. hold-open time =s -Number of attempts for obstacle when closing = -Number of attempts at continuously open =	<input type="checkbox"/>
The following steps must be carried out with all presence sensors connected			
Opening run: protection door leaf 			
3	Open door with opening pulse. When opening: With obstacle, trip presence sensor at approx. 45° door angle and remove obstacle.	Door opens and stops at obstacle detection. After waiting a short time (1s) the drive tries to open the door again.	<input type="checkbox"/>
4	Open door with opening pulse. When opening: With obstacle, trip presence sensor at approx. 45° door angle and leave obstacle in place. When the door pauses in semi-open position: Close door by hand.	Door opens and stops at obstacle detection. After waiting a short time (1s) the drive tries to open the door again. After 3 attempts, the door stays in the semi-open position as well as in continuously open mode. After passive closing: Drive switches to automatic mode.	<input type="checkbox"/>
Closing run: protection door leaf 			
5	Open door with opening pulse. When closing: With obstacle, trip presence sensor at approx. 45° door angle and remove obstacle.	The door opens. After the end of the hold-open time, the door closes automatically. In the case of closing obstacle detection: Door stops and reverses.	<input type="checkbox"/>
6	Open door with opening pulse. When closing: With obstacle, trip presence sensor at approx. 45° door angle and leave obstacle in place. When the door pauses in semi-open position: Close door by hand.	The door opens. After the end of the hold-open time, the door closes automatically. In the case of closing obstacle detection: Door stops and reverses. After 5 attempts, the door stays in the semi-open position (45°) and switches to	<input type="checkbox"/>

		continuously open mode. After passive closing: Drive switches to automatic mode.	
Closing run: protection secondary closing edge SCE			
7	Open door with opening pulse. When closing: With the hand, trip presence sensor for the SCE at approx. 45° door angle and remove hand.	The door opens. After the end of the hold-open time, the door closes automatically. As soon as the hand comes into the area of the SCE presence sensor: Door stops and reverses.	<input type="checkbox"/>
8	Open door with opening pulse. When closing: With your hand, trip presence sensor at approx. 45° door angle and leave the hand in place. When the door pauses in semi-open position: Close door by hand.	The door opens. After the end of the hold-open time, the door closes automatically. As soon as the hand comes into the area of the SCE presence sensor: Door stops and reverses. After 5 attempts, the door stays in the semi-open position (45°) and switches to continuously open mode. After passive closing: Drive switches to automatic mode.	<input type="checkbox"/>
Closing run: protection main closing edge MCE			
9	Open door with opening pulse. When closing: With obstacle, trip presence sensor at approx. 5° door angle and remove obstacle.	The door opens. After the end of the hold-open time, the door closes automatically. In the case of closing obstacle detection: Door stops and reverses.	<input type="checkbox"/>
10	Open door with opening pulse. When closing: With obstacle, trip presence sensor at approx. 5° door angle and leave obstacle in place.	The door opens. After the end of the hold-open time, the door closes automatically. In the case of closing obstacle detection: Door stops and reverses. After 5 attempts, the door stays in the semi-open position (5°) and switches to continuously open mode. The door closes with spring force and the drive changes to automatic mode.	<input type="checkbox"/>
Closing run: protection main closing edge MCE for double-leaf systems			
9a	Open door with opening pulse. When closing the passive leaf: With obstacle, trip presence sensor at approx. 5° door angle and remove obstacle.	The door opens. After the end of the hold-open time, the door closes automatically. In the case of closing obstacle detection: Door stops and reverses.	<input type="checkbox"/>
10a	Open door with opening pulse. When closing the passive leaf: With obstacle, trip presence	The door opens. After the end of the hold-open time, the door closes automatically. In the case of closing obstacle detection: Door stops and reverses.	<input type="checkbox"/>

	sensor at approx. 5° door angle and leave obstacle in place.	After 5 attempts, the door stays in the semi-open position (5°) and switches to continuously open mode. The door closes with spring force and the drive changes to automatic mode.	
Final work			
11	Set the original parameters again using the service tool and test them individually.	The door drive works again with the original parameters.	<input type="checkbox"/>