





Instructions for Use

For Automatic Swing Doors in hold-open systems for fire doors with drive:

iMotion® 1301.FIRE Swing Door Drive iMotion® 1401.FIRE Swing Door Drive



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First edition: 2.17, update: 4.21, 12.21

We reserve the right to make technical changes.

1 General Information

1.1 Target Groups

- Operator of the automatic swing door. The operator is the person responsible for the operation and maintenance of the system.
- Persons instructed by the operator to carry out certain duties, for example the servicing and maintenance of the automatic swing door.

1.2 Storage and Forwarding of the Manual

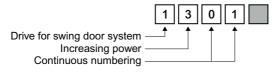
- · Store the instructions for use in the vicinity of the automatic door system.
- If the manual has become illegible due to constant usage, reorder the instructions.
 For download and print out see also: www.tormax.com
- When the door system is transferred or resaled to a third party, pass the following documents to the new owner:
- This instructions for use
- Documentation concerning modification and repair work
- Proof of the regular examinations → System test book T-1543

1.3 Area of Application

Product name, door system: Automatic swing door and hold-open system for fire doors

Product name, door drive: iMotion 1301.FIRE Swing Door Drive iMotion 1401.FIRE Swing Door Drive

The door drives are defined in more detail by a 4-figure number:





.FIRE = Drive for fire doors

Door system identification plate (example): located on the side panel of the drive.



The identification plate with the serial number is placed in the control box (1401) or on the drive itself under the casing (1301, 1301.S).



DIBT (German Building Technology Institute) technical approval: approval number Z-6.510-2569: see document T-1570, download www.tormax.com

1.4 Explanation of the Symbols



Warning (signal word)

Source of hazard (designates a possibly hazardous situation)

Possible consequences of non-observance

· Measures for averting danger.

Text which is highlighted in grey MUST be observed to ensure that the system operates perfectly. Failure to observe these sections can cause damage to equipment.



Functions marked with this symbol are the factory setting. However, they can be reprogrammed by a specialist.



Optional components which are not present in all systems.

1.5 Technical Data

Drive type Electromechanical swing door drive with AC permanent magnet

synchronous motor

Control system iMotion MCU32

Mains connection 1 x 230 VAC, 10 - 16 A / 1 x 115 VAC, 15 - 20 A, 50 - 60 Hz

Power consumption iMotion 1301.FIRE 12 ... 330 W

iMotion 1401.FIRE 6 ... 250 W

Sensor supply 24 V DC + 0.5/-1.5 V, max. 36 W/1.5 A,

Fire protection module 24 VDC max. 7,2 W/0,3 A

Protective class, drive iMotion 1301.FIRE IP 20

iMotion 1401.FIRE IP 68

Ambient temperature —20 °C to +50 °C

Noise emission level < 70 db (A)

Electromagnetic

IEC 61000-6-2, IEC 61000-6-3

compatibility (EMV)

Service life Tested to 1'000'000 cycles

2 Safety



Warning

Important safety instructions

It is important to comply with these Instructions to ensure the safety of persons. These Instructions must be kept in a safe place.

2.1 Responsibilities

For instructing the operator:

A skilled person from a TORMAX sales partner

For operating the system:

The operator or a person instructed by the operator or

The operator or a person instructed by the operator or

company commissioned with proof of competence for

maintaining hold-open systems

For function control: A person instructed by the operator or a skilled person for

hold-open systems

For annual testing and approval:

A skilled person authorised by the manufacturer

Skilled persons are persons who by virtue of their specialist training and experience possess sufficient knowledge in the field of power-operated doors and are so conversant with the relevant health and safety regulations, guide-lines and generally accepted engineering practice (particularly also DIN 14677 "Maintenance of electrically controlled hold-open systems for fire and smoke doors") that they are able to assess the condition of power-operated doors and hold-open systems with regard to their operational safety. Maintenance of electrical parts must be carried out by a trained electrician.

2.2 Use for the Purpose Intended

The product including the associated components is designed for the automation of horizontally moving swing doors for pedestrian access doors. The drive must only be installed in a dry environment inside buildings.

- Assembly, installation, repair and maintenance work and the commissioning of the drive must only be undertaken my qualified persons.
- The swing door drive may only be operated by properly trained persons who must also follow the Instructions for Use.
- The door system may be used by persons with impaired physical, mental or sensory capabilities
 provided that they are either under the supervision of the person responsible for their safety that the
 latter has instructed them on the safe use of the system and its potential risks.
- Children must be supervised to ensure that they do not play close to the system and do not operate
 any available operating controls.

2.3 Improper use

The manufacturer will not accept any liability whatsoever for loss or damage caused by improper use, failure to comply with the maintenance specification (see chapter 7) or unauthorised modification of the system.

- Any conversion of the system (e.g. other user groups) is not permitted without a new risk assessment (by a specialist) and the measures derived from it.
- Structural alterations in the danger area around the door system are prohibited without a new risk assessment (by a specialist) and the measures derived from it.
- Modifications to the door system (e.g. different, heavier door leaves, different operating equipment
 or sensor systems) may only be undertaken by a properly trained person who complies with the
 technical limit values.
- · Safety facilities (e.g. sensor technology, manual unlocking) must not be removed or disabled.
- · User maintenance and cleaning of the system must not be undertaken by children.

Other improper uses (examples)

- · Automatic doors with leaves moving vertically.
- · Automatic doors with leaves moving in an inclined plane.
- · Door systems incorporating a wicket door must not be automated.
- The drive must not be used as a drive for a wicket door.
- · Automatic doors and gates located in transport equipment (e.g. motor vehicles or lifts)
- · Use in abrasive and corrosive environments or in areas subject to the danger of explosions.

2.4 Pre-Conditions for the Operation of the System

The door system was designed, installed and checked for functionality and safety by skilled persons prior to hand-over to the operator. The company responsible for the system's installation instructed the operator on the system's use and maintenance as well dangers associated with the system operation. The operator has confirmed this by his signature in the system test book T-1543.

The provisions imposed by law, health and safety and occupational health regulations for the avoidance of accidents and the protection of the environment which are generally applicable in the country in which the system is operated supplement the Instructions for Use.

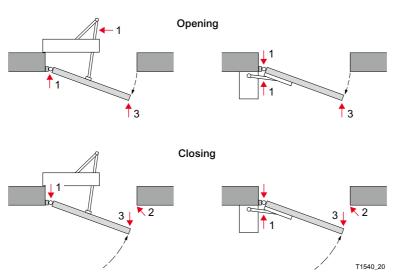
- The staff responsible (see chapter 2.1) must have read and understood these Instructions before commissioning or using the door system.
- Only use the system when it is in perfect working order. The operating conditions, inspection and maintenance intervals stipulated by the manufacturer must be observed (section 7).
- · Arrange to have any faults rectified immediately by a skilled person.
- Fire or smoke detectors must not be removed or rendered ineffective, e.g. by covering them.

2.5 Hazards and Risks

Depending on the system design and equipment, there is a residual risk of crushing, shearing and collision with limited force in the movement area of the door leaf.

iMotion 1301.FIRE

iMotion 1401.FIRE





Warning

Danger through moving parts:

- in the area of all closing edges (especially hinge)
- in the region of the linkage lever
- when objects such as, for example, display shelves are erected in the direct proximity of the moving part of the door leaf.



Warning

Hazards can arise due to deliberate damage, incorrect installation, defective sensors or sensors which are longer properly adjusted, sharp edges, incorrectly mounted and defective casing or missing covers.

Danger for body and life, danger of injury

· Have system repaired by a qualified person

2.6 Checks

The regular checks and examinations set out in Chapter 7 must be carried out as instructed by the manufacturer

2.7 Decommissioning the System in the Event of a Fault

If there is a fault the automatic swing door may only be taken out of service by a skilled person, the operator or a person who is instructed to do so by the operator. This must be done on all occasions on which the safety of persons could be compromised.

- Disconnect the door system from the power supply. All the poles are disconnected using a 3-pole IEC-plug or another all-pole disconnection device (e.g. in the fuse box).
- If another power source (e.g. battery ◆) is available, it must be disconnected from the system by a specialist.
- Hold-open systems must never be secured in the open position even if the system is not working properly or in emergencies.

See section 6 and 8 for rectification of faults.

2.8 Disposal

This system must be properly dismantled at the end of its working life. Its disposal must comply with national regulations. We recommend that you contact a skilled person disposal company.



Warning

Electric voltage

Risk of injury by electric shock

· Disconnect the mains power supply to the installation before dismantling.



Warning

Aggressive acids

Risk of injury if you dismantle the battery module.

Dispose of batteries properly.

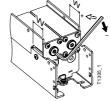


Warning

Flying around parts

The tensioned spring represents a hazard when dismantling the drive.

 Before opening the casing, release the tension on the spring up to the stop.
 (iMotion 1301.FIRE: W = 0)





iMotion 1301.FIRE

iMotion 1401.FIRE



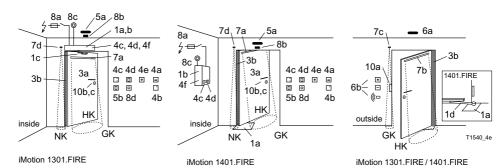
Warning

Broken glass

Risk of injury when dismantling the door leaves.

Take care when transporting the door leaves.

3 System Overview



1	Drive	a) Motor and spring unit b) MCU32 control system with monitoring system, power limitation and permanent diagnosis. Without current controlled door closing function. c) Linkage/sliding lever (1301.FIRE) d) Linkage pulling (1401.FIRE)	
2	Drive accessories	☐ Mechanical door coordinator for double-leaf doors ☐	
3	Door leaves	a) Swing leaf * with main closing edge (HK) and secondary closing edge (NK) b) \square Finger protection * to enhance the safety of the secondary closing edge.	
4	Operating controls	a) Manual release button b) Manual reset button c) □ User interface with 6 operating modes and fault display d) □ Operating mode switch with 3 positions. e) □ Lock for the user interface f) □ Remote control of operating modes	
5	Internal activators	a) With automatic activation □ Radar with/without direction recognition * □ IR motion detector * □ Contact-free button * □ Contact mat *	
6	External activators	a) With automatic activation □ Radar with/without direction recognition * □ Key switch □ IR motion detector * □ Card reader * □ Contact mat * □ Remote control * □	
7	Safety sensors	a) □ Presence sensor * safeguarding the swing area when closing b) □ Presence sensor * safeguarding the swing area when opening c) □ Presence sensor * safeguarding the opposing closing edge (GK) d) □ Presence sensor * safeguarding secondary closing edge (NK) □	
8	Emergency sys- tems	a) Power switch/fuse * b) Fire detector * c) □ External fire alarm system * d) □ Emergency-off switch *	
9	Output message	☐ Bell/gong * ☐ Light * ☐ Door status	
10	Lock	a) Electrical door opener * b) Door handle * c) □ Mechanical door lock *	

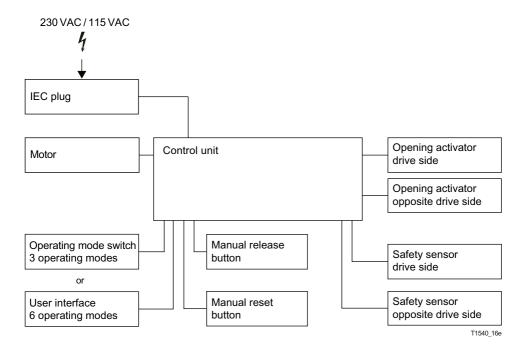
[☐] Depending on the system's equipment

The company installing the system must select and install suitable components in accordance with the product standard EN16005/DIN18650.

^{*} Provided by the installation company.

Block Diagram

All work on the mains power supply cable and the system's cabling must only be undertaken by an authorised and properly trained person who must refer to all necessary documents.

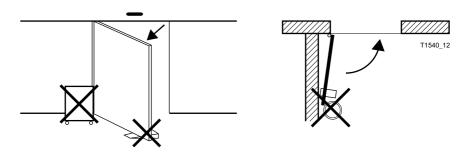


4 System Function

After each occasion on which the fire door has opened you must ensure that it will close again properly. The area needed for the door to close must always be kept free from obstructions. This area must be clearly marked by notices, markings on the floor or similar.

Fire doors must never be wedged open even if they are not in proper working order as they cannot perform their function in this condition.

The operator of the door system is responsible for ensuring that the automatic swing door is freely accessible at all times. The operator must particularly ensure that the swing area of the door leaves is not obstructed by any objects.



4.1 Operation in the Event of a Fire

If the fire alarm is activated by the manual release button, a central fire alarm system or a fire detector connected to the system, the fire alarm module incorporated into the door system immediately separates the door from the power supply, thus causing the door to close in a controlled manner by means of the spring. All the electronic safety devices on the drive are therefore inactivated at the same time. The alarm status is indicated by the red LED on the reset button.

The closure of the fire door delays the spread of fire and smoke in the building for a period of time or may even completely prevent the fire from spreading.

4.2 Automatic Door Operation with Sensors

When operating automatically (AUTOMATIC operating mode) the door is automatically opened from both sides by sensors when a person approaches.

A key switch ♦ or card reader ♦ normally allows access from outside when the door is in operating mode EXIT or OFF. The door unlocks, opens and closes again as soon as no further sensors are activated after a hold-open time which is set separately.

The sensors for the door opening and the maintained opening of the door are arranged and adjusted in such a way that the door opens promptly and remains open as long as a person is within the operating range of the door leaf. The door can close nevertheless but only after a time of approx. > 1 minute.

The reduced closing speed which is set by the installer and is adjusted in line with the door weight, combined with a force of < 150 N prevents the impact of the moving leaves on a person from being too severe. The obstruction is also detected by the control system and the door automatically reverses.

Safety sensors are necessary and depend on the design of the door system (distances, speeds, forces applied by the door). When a person moves into the danger area, the door leaf stops or slows down to a very low speed depending upon the settings performed by the fitter at the time of commissioning.

4.3 Semi-automatic Operation with "Push-and-Go"

Instead of having sensors the door can be manually pushed open. After being detected by the control system, the door opens automatically and closes again.

4.4 Traffic Control

Movement through the door can be allowed in only one direction if desired (operating mode EXIT) or completely blocked (operating mode OFF). If there is a high level of pedestrian traffic or if the door is to be used by infirm or frail persons, the door can be switched to operate in operating mode AUTO-MATIC 2 with a longer hold-open time.

4.5 Automatic System Monitoring

The control system monitors the safety sensors by a cycle of active tests. The control system also conducts continuous internal system tests. If a safety-related component should fail, the system automatically switches into a safe condition. At the same time the fault number is displayed on the user interface. You can find further information on this subject in section 6 "Procedure in the Event of a Fault".

4.6 Electrical Door Opener

The system can be locked in the closed position by means of an electrical door opener.

4.7 Operation in the Event of a Power Failure

- Controlled closing using the integral spring.
- The door can be opened manually by means of the door handle (unlocking).
 - → The door then closes again in a controlled manner using the integral spring.

4.8 Operating Modes

The automatic door system can be operated with the TORMAX user interface \blacklozenge (6 operating modes and status display) or with an operating mode switch \blacklozenge (3 operating modes).



Operating Mode OFF

The internal and external sensors are disregarded. The door is mechanically held in the closed position and locked using an electric door opener ◆. Access is only possible using the key switch or if the door is manually unlocked using a key or the door handle is used to open the door manually.

The door can still be used for 5 seconds after selecting operating mode OFF. The door then locks at the end of this period as soon as it is closed. The transition is signalled on the user interface by the flashing display of operating mode OFF.



Operating Mode AUTOMATIC 1

The operating mode AUTOMATIC 1 is normally used during the day. The door opens automatically through the inside and outside sensors. The door can behave differently depending on the settings programmed during commissioning:

"Push-and-Go"

If the door is manually pushed in the opening direction, it reacts as if to a command to open: it opens automatically, waits for the hold-open time and then closes.

Systems with an Electrical Door Opener

The electric door opener unlocks on every valid opening impulse. The electrical door opener must be manually activated with the door handle before it is possible to open the door with the "Push- and-Go" system. In this operating mode the electrical door opener can also be permanently unlocked depending on the setting programmed at the time of commissioning.



Operating Mode AUTOMATIC 2

Corresponds to operating mode AUTOMATIC 1 but a different motional sequence can be set during commissioning (e.g. a slower opening movement, different open positions and a longer hold-open time).



Operating Mode EXIT

Operating mode EXIT is normally used for the period before the shop or office closes. The door will only open automatically when activated by the internal sensor. When the door opens the external sensor is also monitored for safety reasons. The open position is determined by the preceding selection of the operating mode AUTOMATIC 1 or AUTOMATIC 2. The door can be locked automatically by the electric door opener. The electric door opener can be permanently unlocked in this operating mode in case of need.



Operating Mode OPEN

The door opens and remains open. The open position is determined by the preceding selection of the operating mode AUTOMATIC 1 or AUTOMATIC 2. The door opens again on receiving the next open impulse or when changing the operating mode to OFF and back again to OPEN.

P Operating Mode Manual Operation

The door leaf can be freely moved. This operating mode can be used for cleaning the door leaf or for temporarily shutting down the door. The system is reset after leaving this operating mode.

In this operating mode the electric door opener can also be permanently unlocked depending on the setting programmed at the time of commissioning.

5 Operation

The automatic swing door may only be operated by a skilled person, the operator or a person instructed by the operator.

5.1 Commissioning

Before switching on the mains power supply:

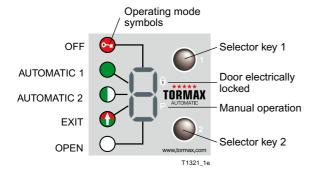
- · Unlock optional mechanical door locks.
- Check that the movement area of the door leaves is free from obstructions such as racks, plant containers, umbrella stands etc.
- Switch on the mains power supply and select operating mode AUTOMATIC 1, for example.

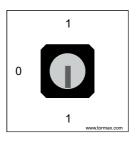
 → The first movement after switching the power on for the first time is slow and H62 and H67 are displayed. The control system is defining the closed position of the door leaf (H62) and is checking the door leaf travel distance (H67).
 - → The door is now ready for operation.

5.2 Operation with the TORMAX User Interface ◆

TORMAX User Interface

Lock ◆ for User Interface





Unlocking of Operating Unit

The operating unit can be protected against unauthorized access by way of the lock ◆ or the code lock.

Unlock lock = position 0

or

• Enter code ... / ... / ... using operating unit. The code can be determined by the engineer.

Example with code 3/3/3. Press upper selection button 3 times, then press the lower selection button 3 times and the upper selection button within 15 s. In case of entering wrong code: Wait at least 5 s. After successfully entering the code, the operating unit will be released within 60 s. The type of operation can be adjusted. Access will be automatically blocked again for 60 s after the button has been pressed for the last time.

Selection of Operating Modes

Press selector keys 1 or 2 briefly. The corresponding operating mode symbol is illuminated.

Fault Display

E.g. H91 or E42 → See section 8 for the meaning of the display.

Reset by pressing the selector key 2 briefly.

Resetting the System

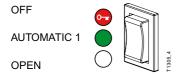
· Press the selector key 2 for at least 5 seconds.

The software is restarted. The control system then conducts a calibration run, checks the travel distance and looks for the closed position. Displayed as H62 and H67.

5.3 Operation with an Operating Mode Switch ◆

Selection of Operating Modes

The switch position defines the operating mode.



Resetting the system

- Change the operating mode in the event of a fault or
- Cut off power supply to the system for at least 5 seconds.

5.4 Manual Release Button "Close Door"

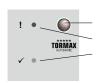


As required by various regulations, this button can be used to check that the door will close properly as it would if the fire alarm were activated. This button does not activate the fire alarm system itself!

Manual release button

After this button has been activated the door can still be opened manually at any time; the integral spring will then close the door.

5.5 Resetting the fire alarm



Reset button for the fire alarm / activation

Red LED: fire alarm /activation

Green LED: system is ready for operation/activation reset

Manual reset button

To reset the system to automatic operation press the reset button for 1 second. The red LED on the reset button goes out and the door drive returns to its normal operating mode after the search run.

6 Procedure in the Event of a Fault

Faults are evident from abnormal door behaviour and/or as a fault display on the user interface. Fault displays on the user interface take the form of a flashing "E" or "H" followed by two figures.

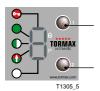
H = notification > the system can continue to be used.

E = fault > the system is stationary.

Some faults or notifications can be rectified by restarting the door drive with a software reset and/or briefly disconnecting the system from the power supply.

Fault Display and Reset Using the TORMAX User Interface

See the table in section 8.1 for an overview of the fault displays.



Browse through the fault display using selector key 1 upwards (to display several faults).

- 1. Reset the fault display, press selector key 2 (downwards) briefly.
- 2. Software reset: press the key for 5 seconds.

Reset of the Fault with the Operating Mode Switch



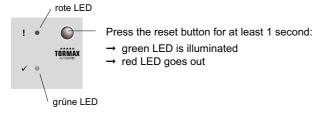
Software reset in the event of a fault: change the operating mode.

Reset of the Fault by Disconnecting the Power Supply

If the system does not have a battery unit, disconnect from the power supply for about 10 seconds.

If this does not reset the fault or if it re-occurs after a short time, you must arrange for the fault to be rectified by a skilled person from your TORMAX dealer. In this case note the fault number and inform the dealer. See the last page or the service tag on the system for the dealer's address.

Resetting the fire alarm (red LED illuminated)



7 Maintenance

The system was tested and approved by a skilled person before initial commissioning. The manufacturer recommends that you conclude a service contract in order to maintain the value of your system for as long as possible as well as to ensure the system operates reliably and safely for a long time.

Only genuine TORMAX spare part should be used. The manufacturer accepts no liability if you fail to observe this requirement. Original spare parts and original accessories guarantee the safety of use in accordance with norm EN 16005.



Warning

Possible risk of injury!

Entrapment of limbs can lead to serious injury.

The drive must be disconnected from all power sources, including batteries during cleaning maintenance and replacement of parts.

7.1 Cleaning

· Clean casing parts, the user interface and door leaves with a damp cloth and a commercial cleaner.

7.2 Testing the Fire Protection Function

The operator must test at least once per month whether the door will close.

Press the red manual release button "Close door". This triggers the emergency closure. The red LED on the manual reset button indicates that the system has been activated. Once the door is fully closed no further automatic activation of the opening movement of the door should be possible.

Successful completion of the test must be recorded in the system test book.

Manual release button



Manual reset button



7.3 Functional Check of the Swing Door System

The operator must check the function and safety devices of the automatic swing door **at least every three months**. This will ensure that faults or hazardous changes in the system are detected at an early stage. See section 8.2 "Check-list for Functional Checks" for items to be checked.

You should arrange for any defects detected during the routine checks to be rectified immediately by a TORMAX dealer (see the last page of this manual for the address).



Warning

Potential switching malfunction in the automatic swing door.

Potential hazards - injury caused by impact or crushing.

· Secure the area around the door while checking the door's functions.

7.4 Maintenance and Testing

Maintenance and testing should only be carried out by a trained skilled person following the manufacturer's instructions.



Warning

Possible risk of injury!

Entrapment of limbs can lead to serious injury.

The drive must be disconnected from all power sources, including batteries during maintenance and replacement of parts.

Maintenance Interval

The operator is obliged to have the hold-open system checked **at least once a year** for proper and trouble-free interaction of all devices and to have it serviced.

Scope of the Maintenance Work

The content of the maintenance work is specified by the manufacturer in an inspection list.

System Test Book

The test findings are recorded after the test in the system test book. The operator must keep it in a safe place.

8 Appendix

8.1 Fault Table

System Behaviour	No.	Cause	Remedy/Rectification
The door stops when opening.	H91	Electronic obstacle recognition on opening caused by persons, wind pressure and ventilation.	Remove the obstruction. Avoid drafts.
Door reverses when closing.	H92	Electronic obstacle recognition on closing caused by persons, wind pressure and ventilation.	Remove the obstruction. Avoid drafts.
The door stops repeatedly when opening.	H93	Electronic obstacle recognition on opening in the same position by stationary obstacle.	Remove the obstruction.
The door stops repeatedly when closing.	H94	Electronic obstacle recognition on closing in the same position by stationary obstacle.	Remove the obstruction.
Search run notified.	H62 H67	Search run of the door after a reset or after power recovery.	Allow the search run to travel its full course.
Door remains closed.	-	Fire alarm or manual activation	Press reset button for 1 second.
Door remains closed.	_	Operating mode for example OFF, EXIT or P. The door is prevented from moving by the lock.	E.g. select operating mode AUTO- MATIC 1. Unlock the lock. Push the door closed briefly.
Door remains open.	-	Operating mode for example OPEN or P or door is blocked.	E.g. select operating mode AUTO-MATIC 1. Remove the obstruction.
The door remains closed.	E31	The safety facility in the opening direction is permanently active (>1 minute) or defective.	Remove objects from within the range of the sensor(s).
The door remains open	E32	The safety facility in the closing direction is permanently active (>1 minute) or defective.	Remove objects from within the range of the sensor(s).
The door does not open or does not close.	E33	The safety facility for the swing area is permanently active (>1 minute) or defective.	Remove objects from within the range of the sensor(s).
The door does not open or does not close.	E34	The stop safety facility is permanently active (>1 minute) or defective.	Remove objects from within the range of the sensor(s).
The door remains open.	E41 E42 E43	Activator inside is active > 1 min. Activator outside is active > 1 min. Key switch is active > 1 min.	Get sensor adjusted by a skilled person. Reset the key switch.
The door stands still	E5	Anomaly in the travel distance. Solid obstruction in the movement area.	Remove firm obstacle in the travelling range of the door. Perform a software-reset.
The door stands still	E61 E62	Power supply is overloaded or voltage too low.	Get the power supply and connections checked by a skilled person.
The door stands still	E64 E65	Drive/control system is overheated.	Wait for the automatic reset after the door/control system has cooled. Protect from direct sunlight.
The door stands still.	E E8	Control system shut down for safety reasons.	Perform a software-reset.
The door collides with people.	-	Safety device or setting inadequate.	Shut down the system. (see section 2.7).

8.2 Check-List for Functional Checks

Item To Be Checked	Procedure	Result
Fire Protection Function	1	1
TORMAX Tor schlessen "Close door"	Press the release button	The door immediately closes completely. Red LED on the reset but ton is illuminated.
TORMAX	Press the reset button (1 sec.)	The system reverts to normal op eration. The green LED is illuminated.
Reset button	Check every month!	
Sensors		
min. 1 m	Walk through the door directly from the front and from different directions at normal speed, starting both from the inside and outside. Activation (sensor field) at least 1 m in front of the open main closing edge.	The door opens at the right time and with sufficient speed so that passage through the door Is no hindered.
Safety Sensors		
01,1891	Walk through the door directly from the front and from different directions at a slow speed like an infirm person, starting both from the inside and outside.	The door opens and remains open until you are completely through the door.
Swing Leaf, Door Frame		
T1540_10	Check the glass door fillings, door edges and rubber pro- files for damage.	The door fillings have no sharp edges and splintered glass. The side parts and the door seals are in place and undamaged.
Drive/Control box		
•	Check screws and cover plate.	Screws and cover plate are firmly mounted.

Item To Be Checked	Procedure	Result
Drive, Lever and Hinges		
iMotion 1401.FIRE iMotion 1301.FIRE	Check the noises made while the door moves.	No unusual and noticeable noise can be heard from the drive, the lever or in the region of the hinges. No significant wear is visible.
Operating Components, Lette	ring and Marking	
1	Check the function and mark- ing of operating controls. Check all lettering and mark- ing for their condition.	The operating controls are functioning correctly; the markings are visible and legible.
System Vicinity		
	Check access to the door and the movement area of the door leaves.	Access to the door is free from objects and items likely to cause the user to trip. There are no objects such as shelves, plant containers and umbrella stands within a radius of 50 cm of the movement area.
Mains Power Cable		
<u>A</u>	Check if the mains power cable is damaged.	If damaged, get the mains pow- er cable replaced by a skilled person.



EC Declaration of Conformity

The manufacturer (installation company) of the complete door system declares				
Manufacturer's address:				
that the product (door system)				
Type designation:				
Serial number:				
is in conformity with the directive 2006/42/EC (Machinery Directive)				
is in conformity with regulations of the guidelines:				
- 2014/35/EU (low tension)				
- 2014/30/EU (electro-magnetic-compatibility)				
and the following harmonised standards have been adhered to:				
- EN 16005				
Base document:				
- Declaration of incorporation by TORMAX I LANDERT Group AG				
- Risk evaluation for automatic swing doors I T-1186				
Person responsible for documents				
Name/address:				
Place, date:				
Signatory				
(CE authorized person):				
Signature:				



the passion to drive doors

TORMAX Swing Door Drives

TORMAX Sliding Door Drives

TORMAX Folding Door Drives

TORMAX Revolving Door Drives

Producer

Installation company (installation, repairs, maintenance)

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