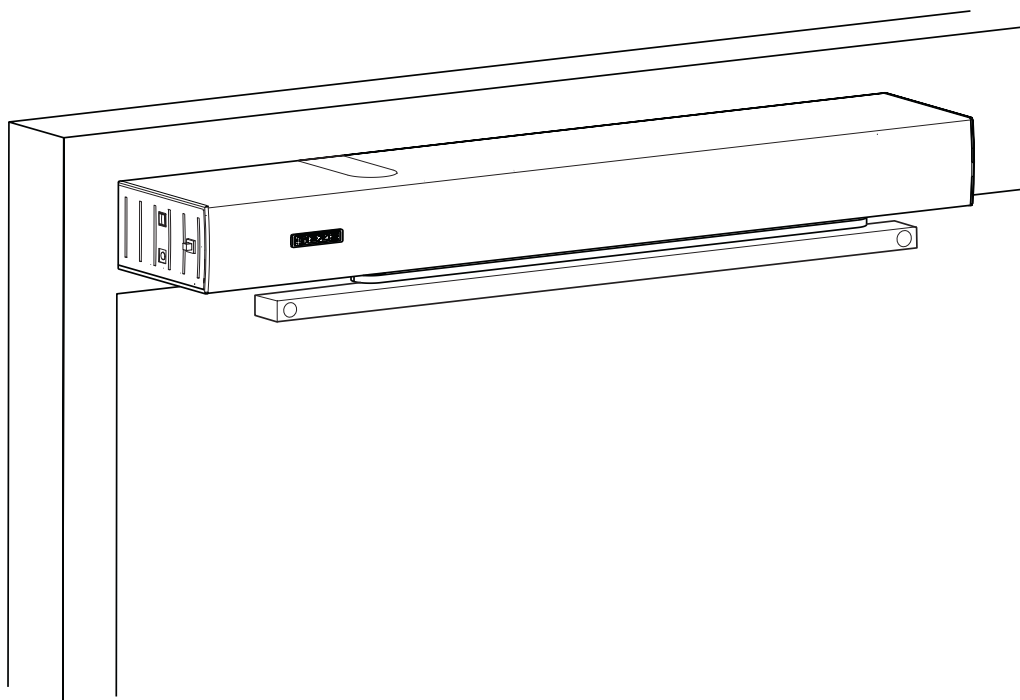




Powerturn

Valid for variants:

Powerturn (1-leaf/2-leaf)

Powerturn F (1-leaf)

Powerturn F-IS (2-leaf)

Powerturn F/R (1-leaf/2-leaf)

Powerturn IS/TS (2-leaf)

Powerturn F-IS/TS (2-leaf)

Powerturn F/R-IS/TS (2-leaf)

Translation of the original operating instructions

EN User manual

156539-04

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Symbols and illustrations

Warning notices

Warning notices are used in these instructions to warn you of personal injury and property damage.

- ▶ Always read and observe these warning notices.
- ▶ Observe all measures marked with the warning symbol and warning word.

Warning symbol	Warning word	Meaning
	CAUTION	Danger to persons. Non-compliance can result in minor to medium injuries.

Further symbols and illustrations

Important information and technical notes are highlighted to explain correct operation.

Symbol	Meaning
	means "important note"; information about avoiding property damage
	means "additional Information" The user's attention should be drawn to important addition information. There is no danger to persons or property, but it is particularly useful to read the additional information carefully.
	Symbol for an action: This means you have to do something. ▶ If there are several actions to be taken, keep to the given order.

Product liability

In compliance with the liability of the manufacturer for his products as defined in the German "Product Liability Act", compliance with the information contained in this brochure (product information and intended use, misuse, product performance, product maintenance, obligations to provide information and instructions) must be ensured. Failure to comply releases the manufacturer from his statutory liability.

Special cases

In certain cases, deviations from the information given in this user manual may occur. Examples:

- special wiring
- special function settings (parameters)
- special software
- ▶ Ask the service technician responsible for further information.

1 Notes



The automatic swing door drive is partly completed machinery. It complies with all the relevant regulations of the guidelines 2014/35/EU and 2014/30/EU and may be installed and operated in automatic door systems in accordance with the Machinery Directive. The manufacturer of this machine must ensure that all requirements resulting from the Machinery Directive are observed. A risk assessment must be carried out and documented. Before initial commissioning, the manufacturer of the machine must issue an EC Declaration of Conformity in accordance with Annex II of the Machinery Directive 2006/42/EC and attach the CE marking visibly and permanently to the door system.

1.1 Intended use

The Powerturn/Powerturn F door drive is designed for the automatic opening and closing of side-hung leaf single-action doors.

The Powerturn is designed solely for use

- in dry rooms,
- in entrances and interior areas of pedestrian traffic in commercial plants and public areas,
- in private areas.

The Powerturn

- may be used on escape and rescue routes,
- must **not** be used on fire and smoke protection doors,
- must **not** be used for potentially explosive areas.

The Powerturn F

- is designed for use on fire or smoke protection doors,
- may be used on escape and rescue route doors,
- must **not** be used for potentially explosive areas.

Any other use than the intended use, such as permanent manual operation, as well as any modification to the product, are not permitted.

1.2 Reasonably foreseeable misuse

- Operation without safety device.
- Permanent manual operation.
- Operation without door stopper.
- Changes to the drive, as non-instructed person.
- Use of a wedge.
- Blocking the travel path.
- Removal of the hood during operation.
- Changing the wiring.
- Aggressive passage through the door (e.g. by kicking).
- Missing maintenance.
- Cleaning with a high-pressure cleaner.
- Cleaning with corrosive, non-compatible cleaning agents.
- Locking the door in the open position.
- Operation in rooms that are not dry.
- Operation in a potentially explosive area.
- Children playing (in and at the door).

1.3 Safety notes

For the user

Note the user information before commissioning the door. Observe the following safety notes:

- Operating, maintenance and repair conditions specified by GEZE must be observed.
- The commissioning, mandatory installation, maintenance and repair work must be performed by experts authorised by GEZE.
- The connection to the mains voltage must be made by a professional electrician.
- No changes may be made to the system without prior agreement from GEZE.
- GEZE shall assume no liability for damage caused by unauthorised changes to the system.
- The building operator is responsible for safe operation of the system.
- Have a service technician check the safe operation of the system at regular intervals.
- Should safety devices be misaligned, thus preventing them from fulfilling their intended purpose, further operation is not permissible. The service technician must be informed without delay.
- Make sure that the safety stickers are attached visibly to any glass leaves and are in a legible state.
- Protect the programme switch against unauthorised access.
- Danger of injury by sharp edges on the drive when removing the cover
- Danger of injury by parts hanging down
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.

For the service technician

- GEZE does not accept any warranty for combinations with third-party products.
- Only combine third-party products with original parts following agreement by GEZE. Furthermore, only original GEZE parts may be used for repair and maintenance work.
- The mains connection and protective earth connection test must be performed according to DIN VDE 100-600.
- Use an on-site automatic circuit-breaker as the line-side disconnecting device. Its dimensioning is matched to the type, cross-section, type of laying and ambient conditions of the on-site power supply circuit. The automatic cut-out must have at least 4 A and may have max. 16 A.

1.4 Reference documents

Material no.	Document	Product
154917	Installation and service instructions	Powerturn
154919	Wiring diagram	Powerturn
079141	Inspection book	Hold-open systems FA GC 150/160

The diagrams are subject to change without notice. Use only the most recent version.

2 Description

2.1 Possible types of installation and versions

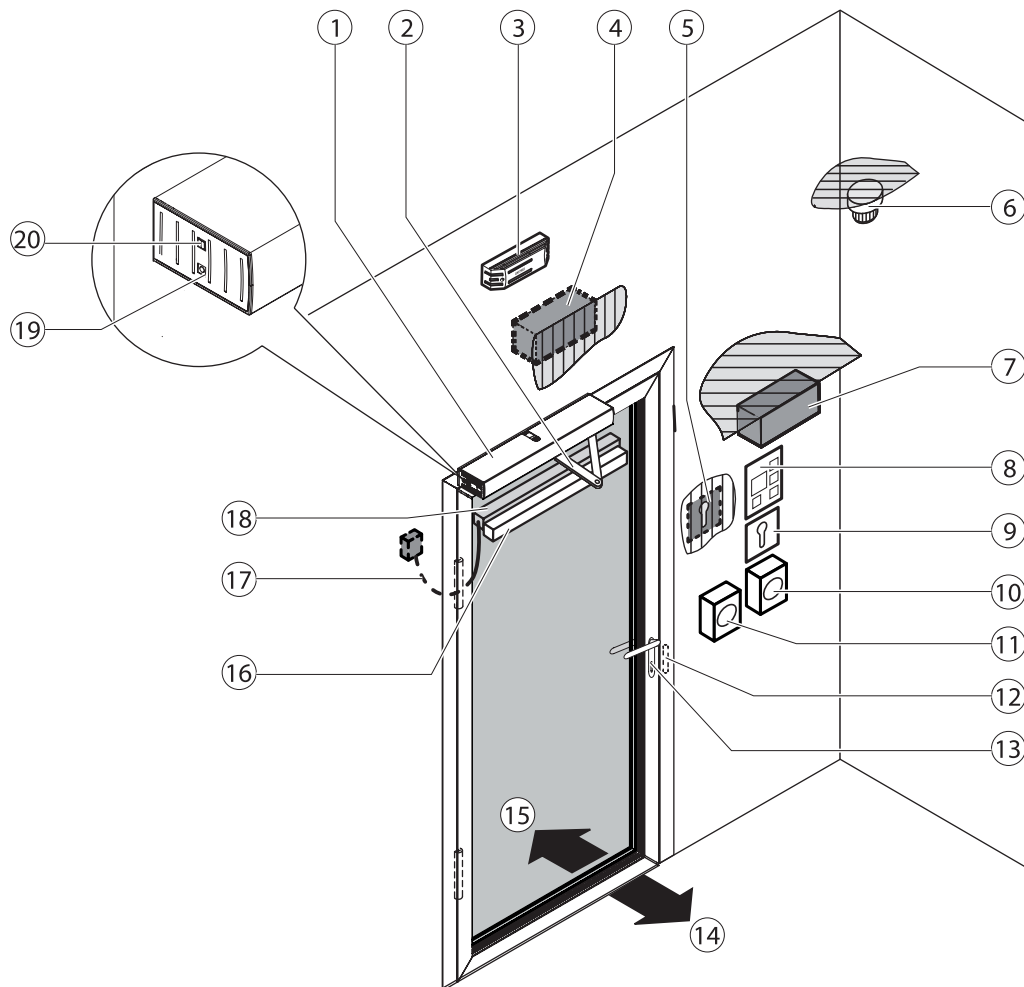
- The door drive can be mounted in transom installation at the lintel or in door leaf installation on the door leaf.
- The door drive is available as 1-leaf or 2-leaf version.
- The Powerturn F-IS and Powerturn F-IS/TS systems can only be mounted in transom installation.

2.2 Structure



The door system shown is only a schematic diagram.
For technical reasons, we cannot show all of the possibilities here.
The operating elements can be arranged individually.

Example: Door drive Powerturn, 1-leaf, transom installation



- | | | | |
|----|---|----|--|
| 1 | Door drive | 11 | "CLOSE DOOR" manual trigger switch ¹ |
| 2 | Link arm or roller guide rail | 12 | Electric strike (optional) |
| 3 | Smoke switch control unit ²⁾ | 13 | Door handle with door lock (on site) |
| 4 | Activation device outside (KA) (optional) | 14 | Inside building |
| 5 | Activation device authorised (KB) (optional) | 15 | Outside building |
| 6 | Smoke switch ²⁾ | 16 | Closing safety sensor (SIS) (optional) |
| 7 | Activation device inside (KI) (optional) | 17 | Door transmission cable (optional) |
| 8 | Programme switch (optional) | 18 | Opening safety sensor (SIO) (optional) |
| 9 | Key switch for enabling the programme switch (optional) | 19 | Socket for service adapter ST 220 and Bluetooth adapter |
| 10 | Emergency stop switch (optional) | 20 | Operating modes push button with operating modes display |

¹ optional, in connection with Powerturn F. If the function "manual trigger/reset" activates, there is no need for the manual trigger switch and reset switch.

2.3 Overview of the modes of operation

The following modes of operation can be set on the Powerturn:

- Automatic mode
- Exit only
- Hold open
- Night mode
- OFF

Mode of operation	MPS/MPS-ST*	Key	DPS** Display	Explanatory notes
Automatic			<i>RL</i>	Door opens and closes again. The inside and outside activation devices are active. Refer also to chapter "2.5 on page 8".
▫ Opening of 2 leaves				When the keys are pressed simultaneously, the mode of operation changes between 1-leaf opening and 2-leaf opening.
▫ Opening of 1 leaf				On the DPS the LED is lit in 1-leaf operation.
Exit only			<i>LS</i>	Door only opens and closes if someone exits. Only the inside activation devices are active.
Hold open			<i>do</i>	Door remains open.
Night mode			<i>nR</i>	Door opens and closes only when activated using the key switch. The inside and outside activation devices are inactive.
OFF	OFF	OFF	<i>oF</i>	Powerturn: Door is enabled and can be moved by hand. Powerturn F: Door closes by spring, so behaves like a door closer The inside and outside activation devices are inactive.

* mechanical programme switch (MPS)/mechanical programme switch with integrated key switch (MPS-ST)

** display programme switch

2.4 Operating elements

The modes of operation can be set using the following operating elements:

- Operating modes push button (21) on the door drive (chapter "2.4.1 on page 7")
- Mechanical programme switch MPS with/without integrated key switch (option) ("2.4.2 on page 8")
- Display programme switch (option) (chapter "2.4.3 on page 8")

2.4.1 Operating modes push button with operating modes display

The operating mode on the door drive can be selected using the operating modes push button (21). The operating modes display (21) lights up in the colour of the current mode of operation:

Operating modes displays

Mode of operation	Colour of the operating modes display (21)
OFF	–
Night mode	red
Exit only	white
Automatic	green
Hold open	blue

Information and fault displays

Status	Colour of the operating modes display (21)
The control has not been taught	yellow (continuous light)
The control has not been initialised yet	lights up in the colour of the current mode of operation periodically interrupted by two brief flashing impulses (1 Hz)
One or more faults are queued	flashes quickly (10 Hz) in the colour of the current mode of operation
The operating modes push button is deactivated	operating modes display is switched off



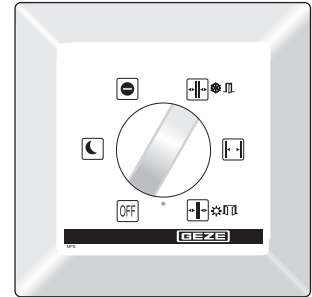
In the OFF mode of operation, there is no fault display on the operating modes display (21).

2.4.2 Mechanical programme switch MPS (optional)



- Can be connected in addition to the operating modes push button (21).

At the mechanical programme switch MPS, the mode of operation for the system is selected and the corresponding programme is displayed. The mechanical programme switch is accessible for everyone without a key operated button.



Mechanical programme switch MPS

With the mechanical programme switch MPS-ST, selection of the modes of operation is disabled if the key provided has been removed.



Mechanical programme switch MPS-ST with integrated key switch

2.4.3 Display programme switch (optional)



- Additionally, it can be connected to the internal operating modes push button.

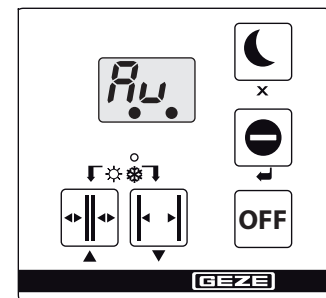
If a dot appears in the bottom right-hand part of the display, maintenance is due.



If a dot appears in the middle of the display, the door has not yet been fully initialised after the mains voltage has been switched on.



Initialisation is carried out automatically when the drive opens and closes the door.



Display programme switch

2.5 Door in normal operation

In normal operation, the door is automatically opened and closed.

When Powerturn IS/TS is used, only the active leaf opens automatically. The passive leaf has to be opened manually.

What happens?	What does the door do?
An activation device (push button, switch or movement detector) is triggered.	Door opens, waits the hold-open time and then closes.
Closing safety sensor (SIS) is triggered when the door is open (e.g. light switch).	Door remains open.
Closing safety indicator (SIS) is triggered while the door is closing.	The door immediately opens again or stops depending on the parameter setting.
Opening safety sensor (SIO) is triggered while door is opening.	The door stops and remains in position until the end of activation (door opens) or until the end of the hold-open time (door closes).
Opening safety sensor (SIO) is triggered when the door is closed.	Door remains closed.
A person moves toward the opened door and a movement detector is activated.	Door remains open.
A person moves toward the closing door and a movement detector is activated.	Door reopens immediately.
Door contacts an obstruction when opening. The opening safety sensor has not been activated.	Door stops, waits and attempts again to move to the open position at a reduced speed. Then the door closes again.
Door contacts an obstruction when closing. The closing safety sensor has not been activated.	Door reopens immediately, waits the hold-open time and then closes at a reduced speed. When door closer mode is used with the closing safety sensor deactivated, the drive presses against the obstacle with the force set.

Additional door functions

Which switch/push button?	What does the switch/push button do?
Emergency-stop switch	The door stops immediately (in every mode of operation) and holds the position until the emergency stop switch is unlocked.
Key switch of the display programme switch	If a key switch is connected to the display programme switch, the operation of the display programme switch can be locked or released with it.
Activation device authorised (KB) (e.g. outside key switch)	Door opens once and closes after the hold-open time. The set mode of operation is retained.
Activation device with radio board	Door opens once and closes after the hold-open time. The set mode of operation is retained. If the key in radio channel 1 is pressed for longer than 5 s, the controller changes to the DO mode of operation. After the key has been pressed again for at least 5 s, the control changes back to the AU mode of operation.
Switch function	The automated door can be activated using the switch function. Normal switch function: - Switch contact opens the door and the door remains in the open position. - Switch contact closes the door. Switch function with hold-open time: - Switch contact opens the door. - Switch contact closes the door or the door starts to close after the hold-open time.
Double push button	In the case of 2-leaf drives, a button with a double function can be connected via a configurable push button. This means that 1-leaf or 2-leaf opening is possible by pressing the push button. If the push button is pressed once, only the active leaf opens and closes after the hold-open time has expired. If the button is pressed twice within 1.5 s, both leaves open and close after the double leaf hold-open time has expired.

Which switch/push button?	What does the switch/push button do?
Emergency lock	When the emergency lock is used, a switch can close the 1- or 2-leaf system immediately. The doors close with the set force and without sensor strips and obstacle detection. There is an increased risk of injury.
WC control	The door opens after the elbow switch on the outside of the toilet has been pressed, and closes automatically after the set hold-open time has passed. When the push button is activated inside the toilet cabin, the system is switched to the exit only mode of operation, which means the outer push button no longer opens the door. At the same time, the lights indicate that the toilet is occupied. The electric strike is supplied with current, preventing manual opening of the door from the outside. Activating the "inner" push button again or through manual opening from inside, the WC function (exit only mode of operation) is cancelled and the drive switched back to the automatic mode of operation. The occupied displays and lights go out.
Manual trigger switch or manual triggering (Powerturn F and fire protection doors)	Pressing the manual trigger switch or pulling the door closed manually triggers the hold-open system and the fire protection drive goes into safe operation. The drive closes the door via the spring. The same thing happens if a fire alarm is detected at the drive or in the event of a power failure. To leave this state again and reactivate the drive, the alarm has to be acknowledged (carry out a reset). For this purpose, depending on the setting, the mode of operation has to be changed (to hold open, automatic or exit only) or the door has to be opened by at least 80°.

3 Operation



The set parameters of the drive functions may only be modified by a service technician.

3.1 Selecting the mode of operation using the operating modes push button



The operating modes push button can be deactivated by a service technician.

Changing the mode of operation (with single-leaf doors or active leaf)

- Press the operating modes push button (21) with operating modes display briefly.

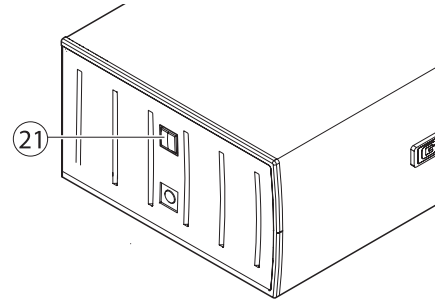
The operating modes display (2) immediately switches one mode of operation further. The drive itself does not change the mode of operation to the new mode of operation until 1 s after the last key has been pressed.

Operating modes sequence, with the colour of the operating modes display in brackets:

... → OFF (–) → Night mode (red) → Exit only (white) →

Automatic (green) → Hold open (blue) → OFF (–) → Night mode (red) → ...

Thanks to the 1 s delay it is possible to change the mode of operation from automatic through hold open to night mode without the door opening in the hold open setting.



Changing the mode of operation (with passive leaf)

- Press the operating modes push button (21) with operating modes display briefly.

The drive on the passive leaf is switched on and off.

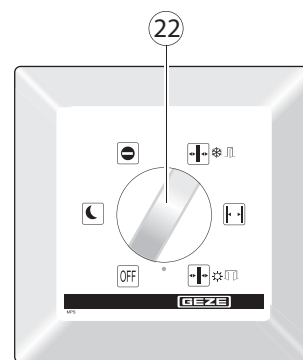
If the drive is switched on, the operating modes display lights up in the colour of the mode of operation (see chapter 2.4.1).

If the drive is switched off, the operating modes display does not light up.

3.2 Selecting the mode of operation at the mechanical programme switch MPS

With the programme switch MPS

- Turn the rotary switch (22) to the desired mode of operation.
The mode of operation is set.



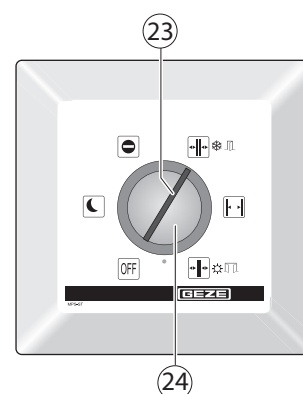
Mechanical programme switch MPS

With the programme switch MPS-ST (key operated button)

Operation of the mechanical programme switch MPS-ST is only possible with the supplied key (23).

- Insert the key (23) into the mechanical programme switch MPS-ST.
- Turn the key rotary switch (24) to the desired mode of operation.
The mode of operation is set.
- Remove the key.

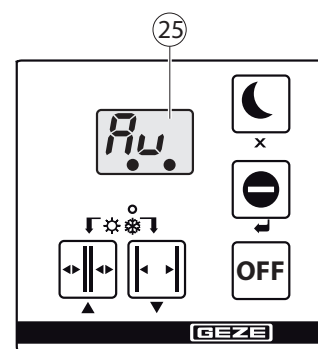
The mechanical programme switch MPS-ST is locked.



Mechanical programme switch MPS-ST
with integrated key switch

3.3 Selecting the mode of operation using the display programme switch

- Touch the desired mode of operation on the display programme switch.
The mode of operation is set and indicated on the display (25).



Display programme switch

Fault messages on the display

If a fault occurs in the door system, it is displayed on the display programme switch about every 10 seconds.

- Read off the number of the fault message, note it down and notify the service technician.

4 Troubleshooting

Problem	Cause	Remedy
Door only opens and closes slowly	Obstruction on travel path	▶ Remove obstruction and check door leaf for ease of movement ▶ Have the door close completely once; door moves after obstruction at a safe speed until the complete closing procedure has been completed
	Closing safety sensor (SIS) soiled	▶ Clean the closing safety sensor ▶ Have the door close completely once; door moves after obstruction at a safe speed until the complete closing procedure has been completed
	Closing safety sensor (SIS) misaligned or defective	▶ Notify a service technician
Door opens and closes constantly	Obstruction on travel path	▶ Clear the obstruction
	Irradiation or reflections, e.g. reflective floor, falling rain	▶ Check detection area of movement detector
	Misaligned movement detector	▶ Check detection area of movement detector
Door only opens a crack	Obstruction on travel path	▶ Remove obstruction and check door leaf for ease of movement
Door does not open	Obstruction on travel path	▶ Remove obstruction and check door leaf for ease of movement
	Movement detector misaligned or defective (outside)	▶ Check the movement detector, notify a service technician if necessary
	Emergency stop button actuated	▶ Unlock emergency stop button
	Mode of operation "night mode"	▶ Select a different mode of operation
	"Exit only" mode of operation	▶ Select "Automatic" mode of operation
	Door locked mechanically	▶ Unlock the door
	Electric strike does not release	▶ Notify a service technician
	Fire alarm active (only Powerturn F)	▶ Carry out a reset (depending on the configuration of the drive, by pressing the reset switch, by changing the mode of operation or by manually opening the door).
	Drive defective	▶ Notify a service technician

Problem	Cause	Remedy
Door does not close (After 4 minutes of permanent activation by the safety sensor, the Powerturn/Powerturn F automatically closes the door in low-energy mode)	Closing safety sensor (SIS) soiled	► Clean the closing safety sensor (SIS)
	Closing safety sensor (SIS) misaligned or defective	► Notify a service technician
	Obstruction on travel path	► Remove obstruction and check door leaf for ease of movement
	Movement detector triggers constantly	► Check the movement detector, notify a service technician if necessary
	"Hold open" mode of operation	► Select a different mode of operation
Display programme switch cannot be operated	Current impulse push button function controls	► Terminate activation by pressing the push button again
	Display programme switch is disabled	► Activate key switch for release
Display programme switch displays 88	Display programme switch defective	► Notify a service technician
	Connection between display programme switch and control unit faulty	► Notify a service technician
Display programme switch is dark	Display programme switch or control unit defective	► Notify a service technician
	Power failure	► Check mains fuse
	Connection between display programme switch and control unit faulty	► Notify a service technician
Display of fault messages on the display programme switch	Display programme switch or control unit defective	► Notify a service technician
	Fault in the door system	► Note fault messages. Up to 10 different fault messages can occur in succession. The display changes about every 10 seconds. ► Notify a service technician

5 Cleaning and maintenance

5.1 Cleaning



CAUTION!

Danger of injury due to impact and crushing!

- ▶ Set the mode of operation to OFF.
- ▶ Secure door leaves against accidental movement before carrying out cleaning work.

What is to be cleaned?	How is it to be cleaned?
Closing safety sensor (SIS) (e.g. light switch)	▶ Wipe with damp cloth
Glass surfaces	▶ Wipe with a cold vinegar/water mixture; then dry.
Stainless surfaces	▶ Wipe with soft cloth
Coated surfaces	▶ Wipe with water and soap
Anodised surfaces	▶ Wipe with non-alkaline potassium soap (pH value 5.5 ... 7)
Display programme switch	▶ Wipe with damp cloth. Do not use a cleaning agent.

5.2 Maintenance

The building operator must ensure that the system is working perfectly. To guarantee perfect operation, the door system must be serviced regularly by a service technician.

Maintenance must be carried out at least once a year or according to the maintenance display on the display programme switch.

Installation, maintenance and repair work must be performed by experts authorised by GEZE.

If a dot appears in the bottom right-hand part of the display, maintenance is due.

- ▶ Notify a service technician.



The maintenance display lights up after the specified calendar period or number of opening cycles, depending on what occurs first:

Powerturn (F) 1 year or 500,000 cycles

GEZE offers maintenance contracts with the following services:

- Inspection of fastening elements for firm fit
- Performance of miscellaneous adjustment work
- Performance of operational checks
- Checking all the safety and control equipment of the door system
- Lubrication of all the moveable parts

5.3 Inspection by an expert

In compliance with the "Guidelines for windows, doors and gates" (ASR A1.7 and GUV 16.10) Section 6, power-operated doors must be inspected for safety by an expert before initial commissioning and at least once a year.

6 Technical data

Mains voltage	230 V AC –15%, +10%
Frequency	50/60 Hz
Protection class	I
Capacity rating	200 W
Mains connection	Fixed connection (installation cable or drip loop)
Primary fuse	–
Secondary fuse	10 A slow-blow, 5×20 mm
Secondary voltage (transformer)	33 VAC (46 VDC)
Control voltage for external components	24 VDC ±10%
Output current control voltage 24 V	1200 mA permanently 1800 mA briefly (2 s, duty ratio 30%)
Fuse protection <24 V	2.5 A; reversible
Temperature range	–15...+50 °C
IP rating	IP30
Emission sound pressure level	< 70 dB (A)
Opening time	3...25 s
Closing time	5...25 s

7 Glossary

Term	Explanation
Hinge side	The side of the door where the hinges from which the door leaf is suspended are located. Usually that side of the door located in the opening direction.
Opposite hinge side	The side of the door facing the hinge side. Usually that side of the door located in the direction of closing movement.
Active leaf	The active leaf of a double-leaf door. When the door is used, the active leaf must open as the first door leaf and close as the last door leaf.
Passive leaf	The secondary leaf of a double-leaf door. When the door is used, the passive leaf may not open until the active leaf has left the closing position and must close again as the first door leaf.
Activation device inside (KI)	Push button, switch or movement detector for activating the door drive. The activation device is located within the room enclosed by the door. Activation function in the AUTOMATIC and EXIT ONLY modes of operation. The activation device does not have any function in the NIGHT/OFF mode of operation.
Activation device outside (KA)	Push button, switch or movement detector for activating the door drive. The activation device is located outside the room enclosed by the door. Activation function in the AUTOMATIC mode of operation. The activation device does not have any function in the EXIT ONLY and NIGHT/OFF modes of operation.
Activation device authorised (KB)	Access control function (for example key switch or card reader) used by authorised persons to activate the door drive. The activation function is active in the AUTOMATIC, EXIT ONLY and NIGHT/OFF modes of operation.
Activation device with current impulse function	Push button for opening and closing the door. Activation function only in the AUTOMATIC and EXIT ONLY modes of operation. The door is opened automatically when the button is first pressed and closed again automatically when the button is pressed the second time. The function can be activated during commissioning by parameter setting using the display programme switch, ST 220 or GEZEconnects. If the activation device is connected to the passive leaf control system by means of the "current impulse" function, both door leaves open when activated, even when the passive leaf control system is deactivated.
Push&Go	When the door is pressed manually out of the closing position with an activated Push&Go function in the AUTOMATIC mode of operation, the door automatically opens as soon as a specific adjustable opening angle is exceeded.
Opening safety sensor (SIO)	Presence detector (e.g. active infrared light sensor) for protecting the swivelling range of the door in the opening direction. As a rule the sensor is located on the hinge side of the door on the door leaf.
Closing safety sensor (SIS)	Presence detector (for example active infrared light sensor) for protecting the swivelling range of the door in the closing direction. As a rule the sensor is located on the opposite hinge side of the door leaf.
Emergency stop button	Self-locking switch with which immediate stopping of the door drive can be triggered in case of danger. The door drive remains in its current position until the user unlocks the emergency stop switch again, thus terminating the emergency stop situation.
Low-energy function	The GEZE Powerturn can be used as a low-energy drive. In low-energy mode, the force is reduced to 67 N during opening and closing of the door. The opening and closing time are also reduced, minimising the risk of injury through impact at the moving leaf. If people in special need of protection pass through the door, special measures must be taken to eliminate the contact hazard (e.g. use of sensor strips).

Term	Explanation
Closing sequence control	Electrical closing sequence control In normal operation of double-leaf door drives, the closing sequence of the door leaves is controlled by the control units of the door drives, with the passive leaf being closed first. The active leaf remains in the open position until the passive leaf has reached the closing position, then the active leaf begins to close. Integrated closing sequence control (-IS) The closing sequence is controlled mechanically in the case of a power failure at double-leaf door systems with Powerturn F-IS and Powerturn F-IS/TS. The door leaves are closed by means of the energy storage device of the drives, with the active leaf being kept open by the integrated mechanical closing sequence control. When the passive leaf has reached the closing position, it releases the active leaf by means of the mechanical elements of the integrated closing sequence control so that it can also close completely
Electric strike	Fail-secure electric strike Available as AC or DC electric strike version. When the door drive is activated, the electric strike is switched on by the control unit of the door drive provided the door is in the closing position. The electric strike remains activated until the door has left the closing position. Fail-safe electric strike Available as DC electric strike version. The electric strike is switched off when the door drive is activated provided the door is in the closing position. The electric strike remains switched off until the door has left the closing position.
Bolt feedback	The bolt feedback function is a contact integrated in the door catch that is activated when the door is locked mechanically by the tie bolt of the door lock. It signals to the control unit that the door is locked mechanically and can therefore not be opened by the door drive. In this case the control unit ignores the control commands of all the activation devices.
Reset	Restarting the drive after the operating voltage has been switched on or after a fire alarm has been terminated.
Door closer mode	In automatic mode (normal operation) the automatic swing door drive can behave like a door closer. This means that closing is torque-controlled. This closing torque can be adjusted and adapted to the respective passage situation.
Servo operation	If a servo is used, the swing door drive supports manual opening through torque. The support torque and the support period can be set for this support.

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