



COMMERCIAL DOOR OPERATORS

Instruction Manual

for GET T 400V sectional door operators

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1. General Safety Information



- The door operator may only be used under the conditions described in these instructions. Any other use will be considered improper usage and therefore dangerous. The manufacturer is not liable for damage resulting from improper, incorrect or inappropriate usage.
- Failure to observe the information contained in these instructions may lead to personal or material damage. The instructions must be passed on to all future users and operators of the door operator.
- Only use the door operator if no maintenance or adjustment measures are required to do so. Disconnect the operator from the power supply for cleaning or maintenance.
- Only use the door operator if the entire area of movement is fully visible. During operation, be aware of other people who may be within the operating range of the product or who may enter this area. Do not drive or walk underneath the door while it is moving.
- Do not use the door operator to lift up objects and/or people.
- Ensure that children are kept away from the area around the door.
- Children over the age of 8 and persons with reduced physical, sensory or mental capabilities may operate the door operator when supervised or if they have been instructed in the safe handling of the equipment and are aware of the associated risks.
- Keep remote controls and/or other controls out of reach of children to prevent the accidental activation of the door operator.
- Cleaning work on the door operator or the door or any maintenance measures may be performed by children only when they are supervised.

2. Product Description

The door operator has been developed for industrial doors

The door operator can be equipped with the following additional safety devices, such as:

Photocells, Light curtains, Safety edges

Radar

Loop detector

Remote control, Push buttons, Pull switches

Traffic light

The door operator is operated via the control unit.

You can choose different operating settings for the operator (e.g. automatic, semi-automatic or hold to run).

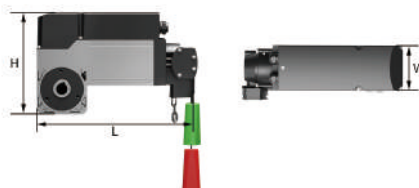
3. Technical Data

Model	GET60T	GET100T	GET120T	GETE150T	GET180T
Motor power in W	550	750	900	1100	1500
Rated output torque in Nm	50	70	80	100	145
Max. output torque in Nm	60	100	120	150	180
Rated voltage/frequency	3N-400V 50/60Hz				
Speed in RPM	24				
Max. cycles per hour	30				
stroke limit in revolution	20				
Limit setting of door travel	Digital encoder				
Operating environment	-20°C~+50°C				
Max. door area in m²	25	35	40	45	55

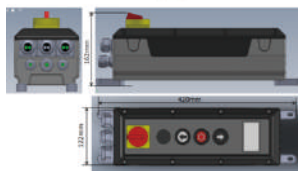
4. Size Data

Model	GET60T	GET100T	GET120T	GET150T	GET180T
Door operator L*W*H (mm)	373*100*222	373*100*222	373*100*222	373*100*222	373*100*222
Control box L*W*H (mm)	420*122*162	420*122*162	420*122*162	420*122*162	420*122*162
Door operator Package L*W*H (mm)	425*295*190	425*295*190	425*295*190	425*295*190	430*310*195
Control Box Package L*W*H (mm)	520*150*180	520*150*180	520*150*180	520*150*180	520*150*180

Door operator



Control box



5. Warnings – Symbols



Note: Technical information must be observed

Fig. 1 Number of a figure



Caution: Warns of a risk to a person / risk of injury



Warning: Warns of a risk to material / risk of damage

6. Safety information of operation



The door may only be operated if:

- Conformity in accordance with Machinery Directive 2006/42/EC was declared following assembly.
- The door complies with the standards EN 12605, EN 12604 and DIN EN 13241-1.
- The door operator has been assembled in accordance with EN 12453, EN 12445 and EN 12635.
- Any additionally installed safety equipment is functioning properly.
- There is an internally operated emergency release for garages that have no second access.
- Any pass door set within the door is equipped with a safety device that prevents switch-on while the door is open.
- The emergency release cannot be caught on any vehicle parts (e.g. roof structures).
- It is insured that the installation is conform with the national safety regulations.
-

Keep the instruction manual at a safe place!

7. Safety information for installation

➡ Important:

- The door must move easily and be functional and well-balanced in accordance with the manufacturer's specifications.
- It must be possible to open and close the door by hand easily.
- Assembly must be carried out by trained and specialized personnel.
- Electrical installation work must only be performed by authorized and specialized personnel.
- The suitability and bearing capacity of the supporting structure of the building in which the door operator is to be installed must be checked and confirmed by expert personnel.



- The door operator must be securely fastened at all the mounting points provided. The mounting material must be chosen according to the material characteristics of the supporting structure to ensure that a minimum tensile force of 900 N can be withstood.
- If these requirements are not fulfilled, the door operator may fall down or the door may move without control. This means there is a risk of personal injury or material damage.
- When mounting the door operator, it must be secured by appropriate means against falling until it is completely and safely attached.
- Observe the relevant occupational health and safety regulations during the installation.

8. Proper Use

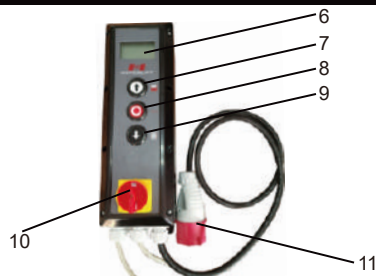
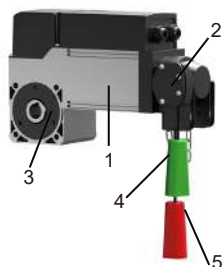
This door operator is suitable for use with balanced sectional doors and sectional doors equipped with spring-break protection and/or safety catch

- The maximum dimensions given in the technical data must be complied with.
- Before installing the door operator, any existing locking mechanisms for the door must be disassembled or taken out of operation.
- Use in an explosion-proof environment is not permitted.
- Any other use above and beyond this is considered as improper use.
- All of the below activities performed without the express written approval of the manufacturer:
 - (1) Expansions or modifications
 - (2) Use of non-original replacement parts
 - (3) Performance of repairs by persons or operators that have not been authorized by the manufacturer may result in the loss of the warranty.
- No liability can be accepted for damages that result from the following causes:
 - (1) Technical defects on the door to be operated and structural deformations occurring during operation
 - (2) Improper maintenance of the door
 - (3) Failure to observe the operating instructions

9. Scope of delivery

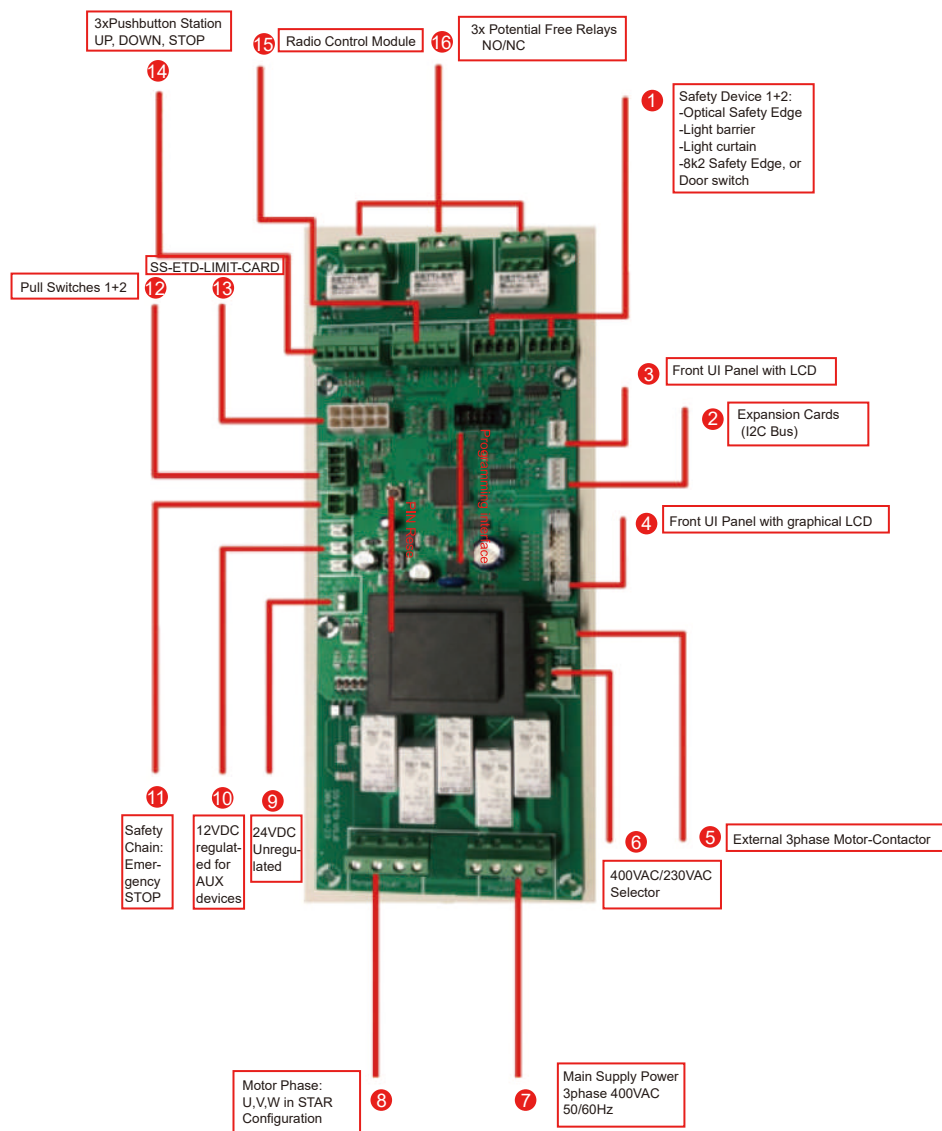
1	Door operator with emergency release (chain)
2	Control unit with main switch
3	Torque bracket
4	Assembly fasteners
5	External power cable with plug
6.	Motor connection cable
7.	Digital encoder connection cable
8.	Chain hoist switch connection cable

10. Components introduction



1	Motor
2	Emergency release (Chain)
3.	Gear box
4.	Emergency release deactivate cord
5	Emergency release activate cord
6	LCD display
7	"UP" button
8	"STOP" button
9	"DOWN" button
10	Main switch
11	CEE plug

11. Layout of control unit



12. Installation



The door operator shown is similar to sectional door operators type with chain drive. Unless described otherwise, the assembly steps also apply to high speed door operators with crank.



Preparation for installation

Risk of personal injury and/or material damage due to electrical voltage. Have a specialized electrician open and close the cover for the motor controller

Determine the installation location of the door operator



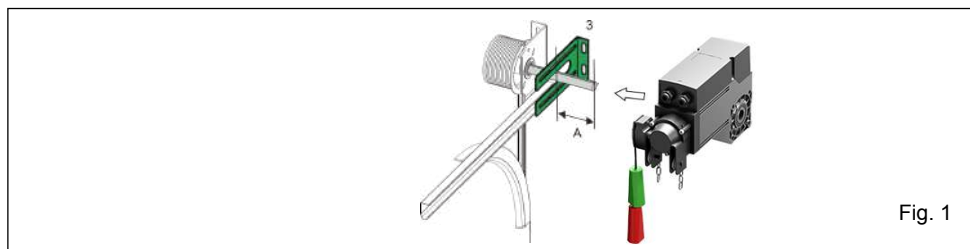
The door operator must be positioned 100% above the door drive shaft.



Make sure that neither the emergency manual operation chain nor crank (depending on version) can impair the normal operation of the door (clearance) and that they can be used at any time.

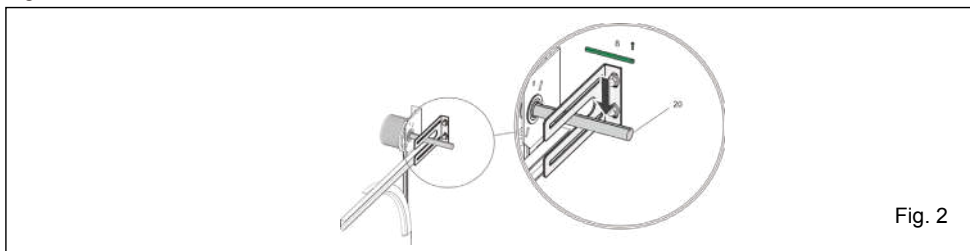
12.1 Install the torque bracket

Install the torque bracket (3) as shown in Fig. 1. Make sure that the drive shaft for the door can extend at least 135 mm (dimension A) in the door operator to be installed.



12.2 Install the feature key

Install the key (8) in the groove of the drive shaft for the door so that is secured against movement in Fig2.





Install the key (8) in the groove of the drive shaft for the door so that is secured against movement in Fig2.

- Do not supply power to the door operator yet. Do not connect any plugs.
- Position the drive shaft for the door operator such that it is suitable for the position of the anti-twist device (key, position 8 in Fig. 2). To do this, turn the transmission via the emergency operation.
- Grease the drive shaft for the door such that the door operator can be easily connected

12.3 Secure the door operator

Slide the door operator onto the door drive shaft (20) in Fig. 3. Secure the door operator with the 4 screws and washers (13) in Fig. 3.

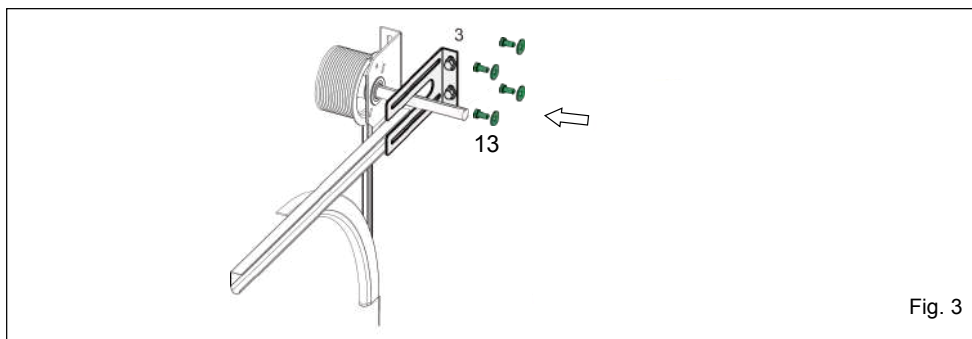


Fig. 3

12.4 Install the emergency release cord

- Secure the emergency release cord such that the emergency release can be activated by using the red emergency release cord.
- The emergency release is activated when the chain wheel has been moved by pulling down the red emergency release cord in Fig. 4.
- Make sure that the emergency release can be deactivated again by pulling the black emergency release cord.

12.5 Check the emergency operation

Make sure that the door can be opened and closed without any problems by pulling on the chain in Fig. 4

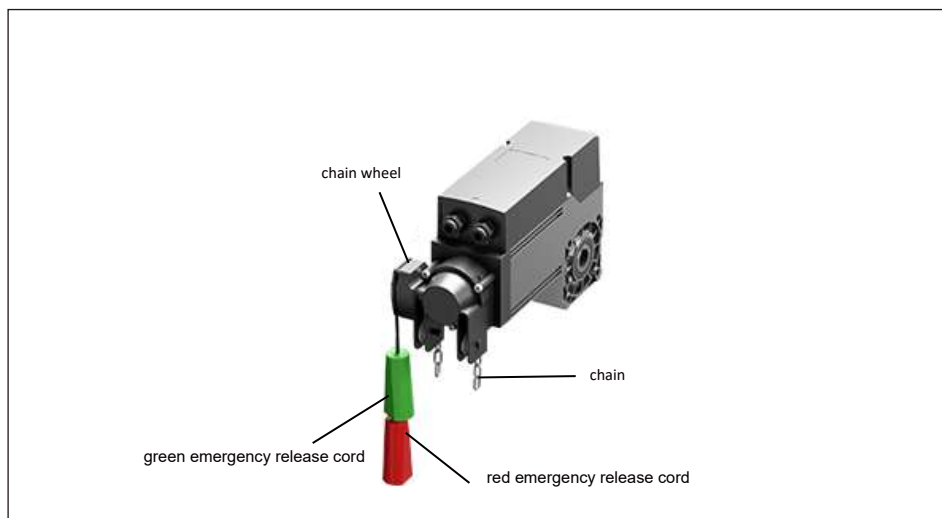


Fig. 4

If the door can be opened and closed without any problems, this confirms the functional reliability of the emergency operation. The door operator can be commissioned.

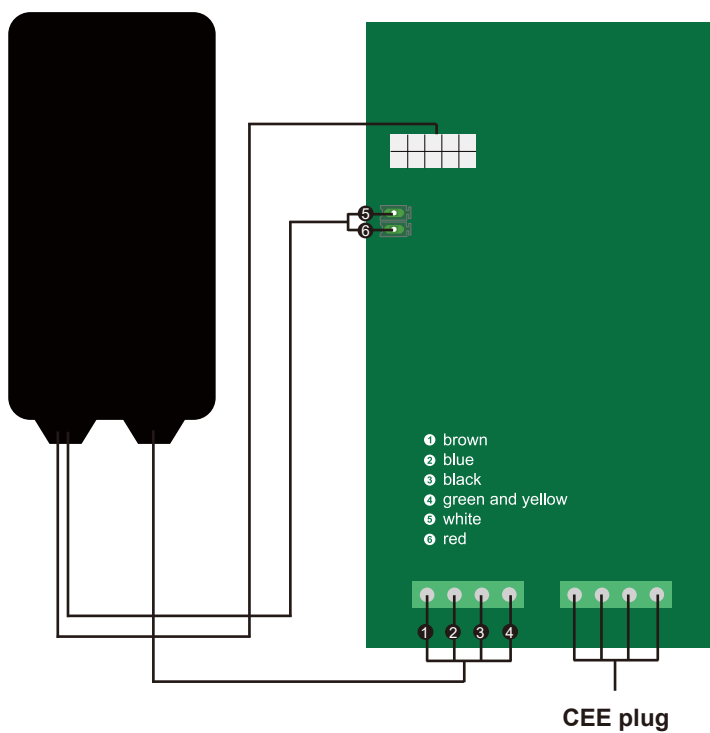
13. Wiring



Motor part



Control box



3.1 Additional accessories wiring guideline



Note:

Must use **NC mode** safety devices.

Activate the connected devices in the menu SAFETY, Relays outputs and/or in the expert settings.

Maximum current: 400mA.

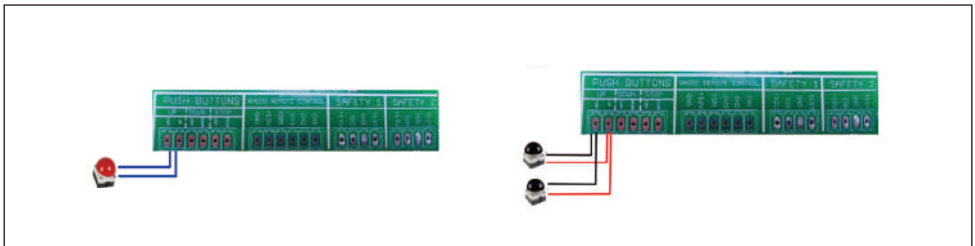
Push buttons (defined OPEN)

For opening and closing you can use different types of push buttons or key switches.

For defined OPEN please connect the button to terminal push buttons =>UP

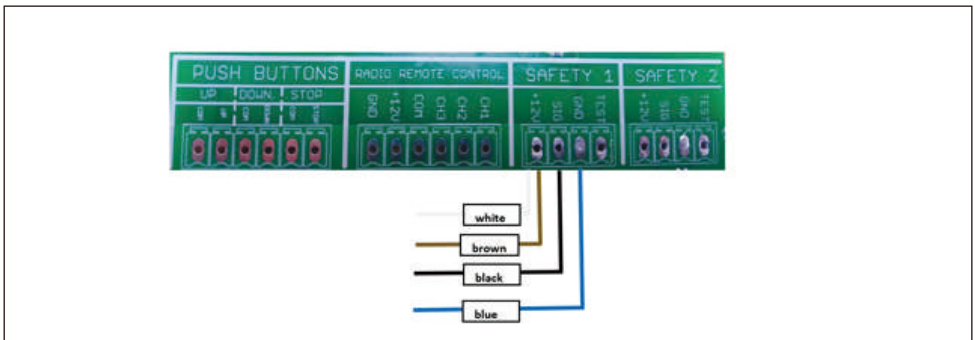
For defined STOP please connect the button to terminal push buttons =>STOP

For defined CLOSE please connect the button to terminal push buttons =>DOWN



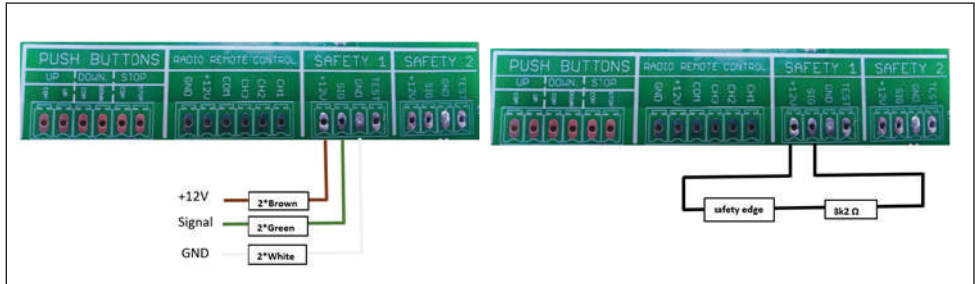
Light curtain

You can connect light curtain either to terminal SAFETY 1 or SAFETY 2. Please connect power supply according to light curtain's manufacturers instruction and do function set in menu "Safety Devices" → "SAFETY1" or "SAFETY2" → "Light curtain".



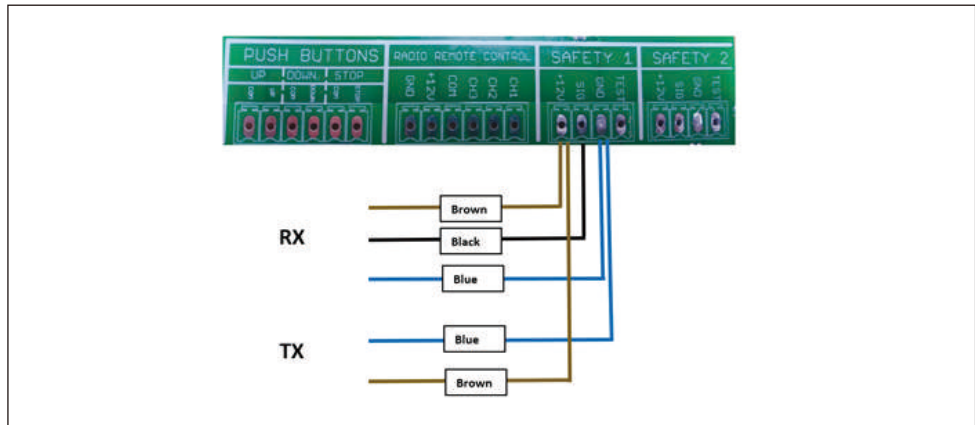
Safety edges

You can connect safety edge either to terminal SAFETY 1 or SAFETY 2. Please connect power supply according to safety edge's manufacturers instruction and do function set in menu "Safety Devices" → "SAFETY1" or "SAFETY2" → "Safety-Edge".



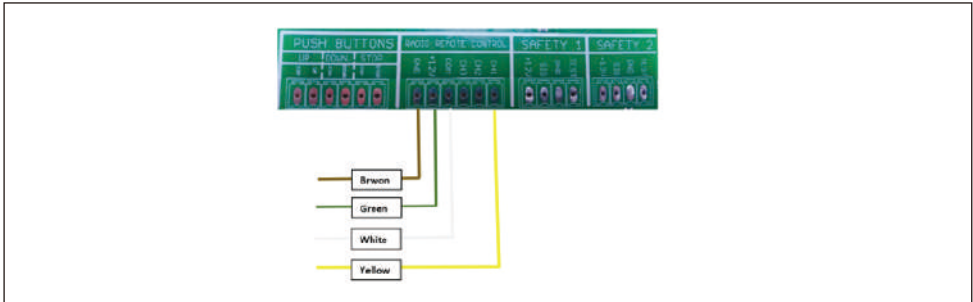
Photocel

You can connect Photocell either to terminal SAFETY 1 or SAFETY 2. Please connect power supply according to safety edge's manufacturers instruction and do function set in menu "Safety Devices" → "SAFETY1" or "SAFETY2" → "Photocell".



Radar/ remote control / geomagnetic sensor device

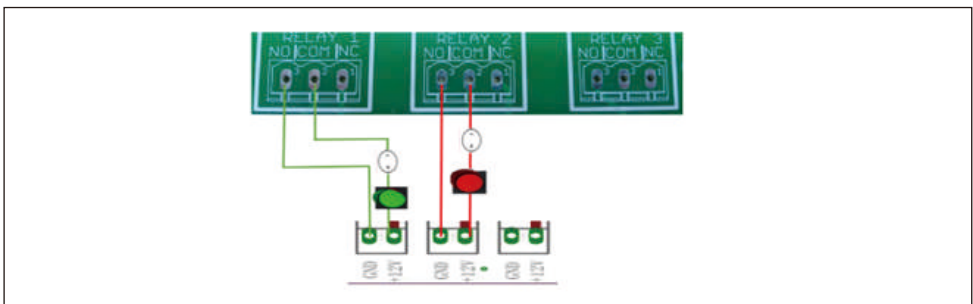
For giving OPEN impulse you can use for example a radar device. This is going to be connected to terminal RADIO REMOTE CONTROL. Please connect power supply according to manufacturers instruction and do function set in menu "Inputs / Outputs" → "Radio channels". You also can connect remote control or geomagnetic sensor device to open/close the door.



Traffic light

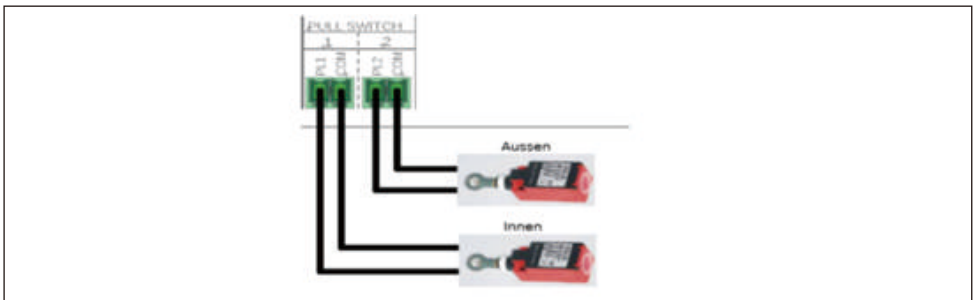
For red-green traffic lights, you may set the function as below:

- (1). Inputs/Outputs → Relay Outputs → Relay1 or Relay2 → Endposition → Open Endposition
- (2). Inputs/Outputs → Relay Outputs → Relay1 or Relay2 → Endposition → Not open



Push buttons / Pull switches

Push buttons for impulse function (open-stop-close are connected at terminal PULL SWITCH



Airlock

Interconnect two Door controllers to realize Airlock function: two doors may remain Closing but can't be Open status in the meantime. Which means only after one door is closed then you can open another door.

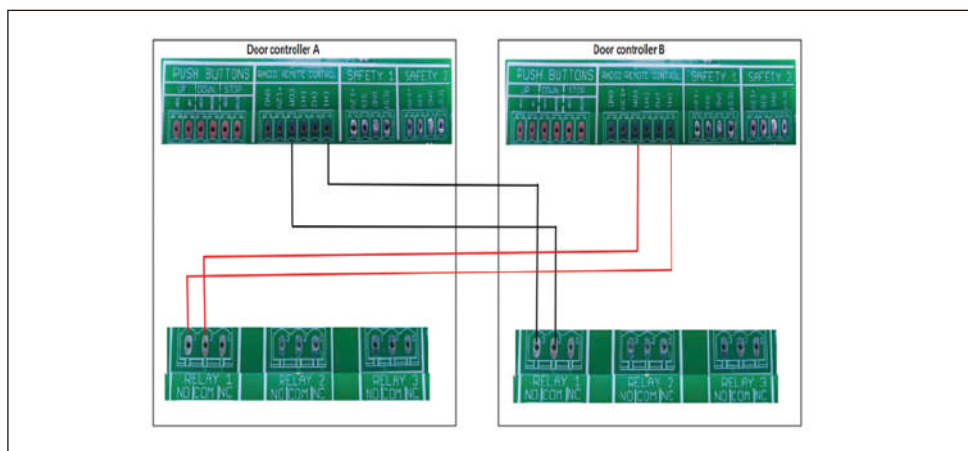
You may set the function as below:

(1) RADIO REMOTE CONTROL setting:

Inputs/Outputs → Radio channels → Channel 1 → STOP (both doors need setting)

(2) Relay setting:

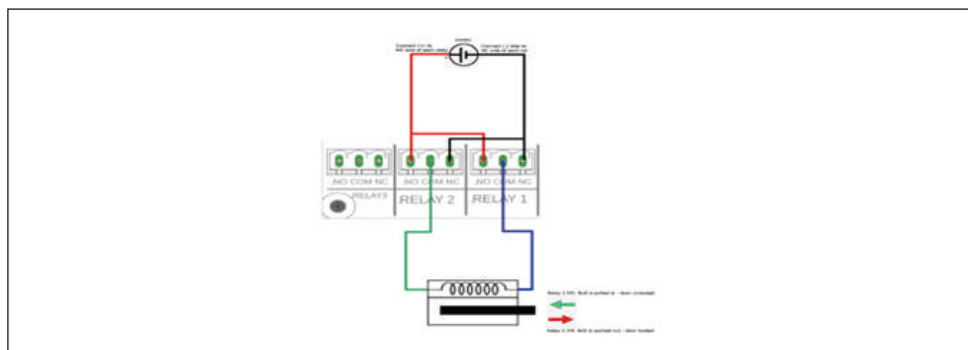
Inputs/Outputs → Relay Outputs → Relay 1 → Endposition → Not closed (both doors need setting)



Electric Door-Lock

If there is Electric Door-Lock on your door, output port can be used to control lock opening/closing with automation.

Please make function setting in menu Inputs/Outputs → Relay Outputs → Relay 1/ Relay 2 → Electric Door-Lock



14. Operator Programming

14.1 Main Menu

Keep pressed ( + ) OR ( + ) for 3 sec. to enter menu.

Then will come to language selection page, please choose the menu language you need.

SELECT LANGUAGE	
	ENGLISH
	DEUTSCH
	NEDERLANDS
	FRANCAIS
	中文

Use  and  buttons to scroll through the menu.

Use the  button to enter the menu and to confirm your settings.

Control Box



14.2 Set Password

By activating the password-function you can protect the control unit to be modified by unauthorized persons.



Unauthorized modifications of the control unit settings can lead to personal injuries and/or damage of property! We recommend generally to use a password!

Main Menu	
1	Set Password
2	Load Settings
3	Door-Positions
4	Safety Devices
5	Operation Mode
6	Inputs/ Outputs
7	Automatic Close
8	Service
9	Expert Settings
10	Motor Settings
←	Exit Menu



M1	Menu Password
1	Set Password
2	Disable Password
←	Back



Set Password	
2	↑
1	----
←	↓



Apply Change?	
	CONFIRM
←	CANCEL

Press and to select password figure you need (total five-digit number)



Do not forget to note the password!

Note: If you forget password, please go to P11 page and find password setting button to reset.

14.3 Load Settings

You can do Factory Reset in this menu.

Main Menu	
1	Set Password
2	Load Settings
3	Door-Positions
4	Safety Devices
5	Operation Mode
6	Inputs/ Outputs
7	Automatic Close
8	Service
9	Expert Settings
10	Motor Settings
←	Exit Menu



M2	Load Settings
1	Factory Reset
←	Back



M2.2	Execute Reset?
1	CONFIRM
2	CANCEL

14.4 Door Positions

In this menu you define the following parameters:

Main Menu	
1	Set Password
2	Load Settings
3	Door-Positions
4	Safety Devices
5	Operation Mode
6	Inputs / Outputs
7	Automatic Close
8	Service
9	Expert Settings
10	Motor Settings
←	Exit Menu



M3	Door-Positions
1	Check Direction
2	Closed Endposition
3	Open Endposition
5	Partial Open Pos.
6	Blank Light barrier
←	Back

Check Direction

Press "UP" or "DOWN" button and keep pressed to move the door.

M3	Door-Positions
1	Check Direction
2	Closed Endposition
3	Open Endposition
5	Partial Open Pos.
6	Blank Light barrier
←	Back



M3.1	Check Direction
⦿	Press and hold UP/DOWN to move door



M3.1	Check Direction
1	Direction OK
2	Direction Wrong
←	Cancel

Closed End Position (Door closed):

M3	Door Positions
1	Check Direction
2	Closed End Position
3	Open End Position
5	Partial Open Pos.
6	Blank Light barrier
←	Back



M3.2	Closed Endposition
	Position 123

Press and hold on ↓ to close door to desired position. Click ↑ or ↓ to fine adjustment.

Apply Change?	
	CONFIRM
←	CANCEL

Open End position (Door open):



Redo in Menu 3 "Open End Position" the steps shown above for programming the "OPEN" end position

Partial Open Position:

Here you define at which position the door should partial open.

M3	Door Positions
1	Check Direction
2	Closed End Position
3	Open End Position
5	Partial Open Pos.
6	Blank Light barrier
←	Back



M3.5.1	Partial Open Pos.
1	Enable
2	Disable
←	Back

M3.5.2	Partial Open Pos.
Position 123	



Apply Change?	
	CONFIRM
←	CANCEL

Press **↑** or **↓** to run the door to required position.

Blank light barrier:

If you have a very fast acting door, it might be needed that you switch off the light barrier at a certain door position in order to avoid malfunction in obstacle detection by the photocell.



Caution!

Before blanking the light barrier, ensure that a second safety device (light curtain, safety edge etc.) is installed!

M3	Door Positions
1	Check Direction
2	Closed End Position
3	Open End Position
5	Partial Open Pos.
6	Blank Light Barrier
←	Back



M3.6.1	Safety Device
1	SAFETY 1
2	-----
←	Back



M3.6.2	Blanking
1	Enable
2	Disable
←	Back



M3.6.3	Blank Light barrier
Position 123	

Press **↑** or **↓** to run the door to required blank height.

Apply Change?	
	CONFIRM
←	CANCEL

14.5 Safety Devices

SAFETY 1 and SAFETY 2:

The control unit has 2 supervised connectors for safety devices (e.g. photocells, light curtains, safety-edges, stop-buttons etc.)

➡ **We strongly recommend to use always safety devices in order to ensure a safe operation of the door !**

Connect the safety device according to its manufacturers manual with the inputs "SAFETY 1" and/or "SAFETY 2" of the control unit and select the relevant safety device from the menu "Safety".

Example Safety Edge:

Main Menu	
1	Set Password
2	Load Settings
3	Door-Positions
4	Safety Devices
5	Operation Mode
6	Inputs / Outputs
7	Automatic Close
8	Service
9	Expert Settings
10	Motor Settings
←	Exit Menu



1	SAFETY1 off
2	SAFETY2 off
←	Back



M4.1.1	
1	
2	
3	
4	
5	
6	
←	



M4.1.2	Test Mode
1	Untested
2	8K2 resister
3	8K2 Pneumatic
4	Pulsed (3Wire/OSE)
5	4-Wire:Active Test (+)
6	4-Wire:Active Test (-)
←	CANCEL



M4.1.3	Active Direction
1	Down
←	CANCEL



M4.1.4	Reverse Mode
1	Full Reverse
2	Partial Reverse
3	Stop
←	CANCEL

Apply Change?	
	CONFIRM
←	CANCEL

➡ **For SAFETY 2 or other safety devices, re-do the configuration similar as shown in above example.**

1. When selecting the safety edge, what type of safety edge should be identified.

- (1) If rubber type safety edge, select Safety-Edge, then choose 8K2 resistor.
- (2) If air type wired safety edge, select Safety-Edge, then choose Untested.
- (3) If air type wireless safety edge, select Safety-Edge, then choose Untested.
- (4) If photoelectric safety edge, select Retractable Photocell, then choose Pulsed (3Wire/OSE)

2. When selecting Photocell, then select Untested

3. When selecting Light curtain, then select Pulsed (3Wire/OSE)

4. When selecting Stop-Switch, then select the Untested

Please pay attention:

1. Must use NC mode safety devices.
2. If only connect 1 single channel photocell, CDO won't work. Must connect 1 single channel photocell and another 1 safety edge or 1 light curtain.
3. "Stop-Switch" can be used to set door-in-door function



Caution!

Check the function of the safety devices before you set the door in operation!

14.6 Operation Mode

Here you can choose between 3 different operation modes:

Manual UP and DOWN (Hold to run mode)

Automatic UP and DOWN

Semi Automatic (automatic UP, hold to run DOWN)



If choose Automatic UP/DOWN mode, do confirm that you have installed safety device(at least 1 safety edge, or 1 light curtain, or 1 photocell + 1 safety edge / light curtain).

Main Menu	
1	Set Password
2	Load Settings
3	Door-Positions
4	Safety Devices
5	Operation Mode
6	Inputs / Outputs
7	Automatic Close
8	Service
9	Expert Settings
10	Motor Settings
←	Exit Menu



M5	Operation Mode
1	Manual UP/DOWN
2	Automatic UP/DOWN
3	Semi-Automatic
←	Back



Apply Changes?	
	CONFIRM
←	CANCEL

14.7 Inputs / Outputs

The control unit has 3 potential free relays contacts/ 4 GENERAL INPUTS/ 1RADIO REMOTE CONTROL, which can be used for different applications during door movement or when the door reached one of the end positions.

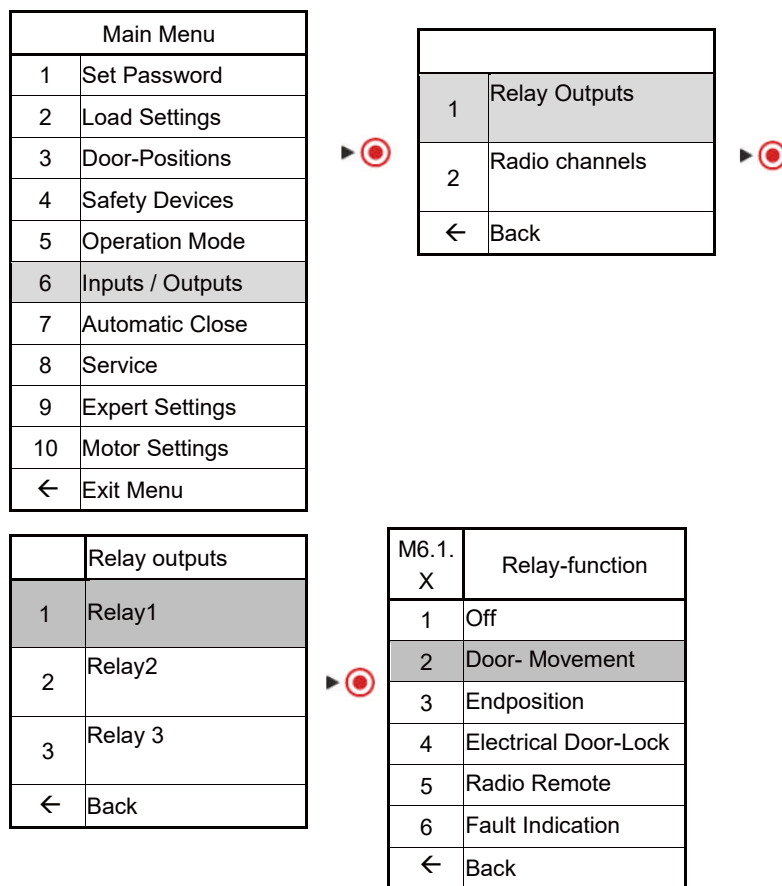
You can choose in the menu how the relays should react.

Furthermore the relays contacts can be used for the realization of red-green traffic light connections, warning light, eclectic Door-lock and Airlock.

Outputs

Example:

Warning light just blinking while door closing(connect to NO&COM on RELAY1)



M6.1.1-A1	Direction
1	Opening
2	Closing
3	Both directions



M6.1.1-A2	During Movements
1	Blinking
2	Relay On

M6.1.1-A4	Pre-Run Delay
	Closing:
	----- Seconds



Apply Changes?	
	CONFIRM
←	CANCEL

For the programming of relays 2+3 you redo the steps above.

Radio Channels

You can connect a remote control external receiver or a Radar to terminal RADIO REMOTE CONTROL on control PCBA to open the door

1	Relay Outputs
2	Radio channels
←	Back



1	Channel 1
2	Channel 2
3	Channel 3
←	Back



M6.3.1	Function
1	Off
2	Impulse
3	Open
4	Open to part.position
5	Close
6	Stop
←	CANCEL



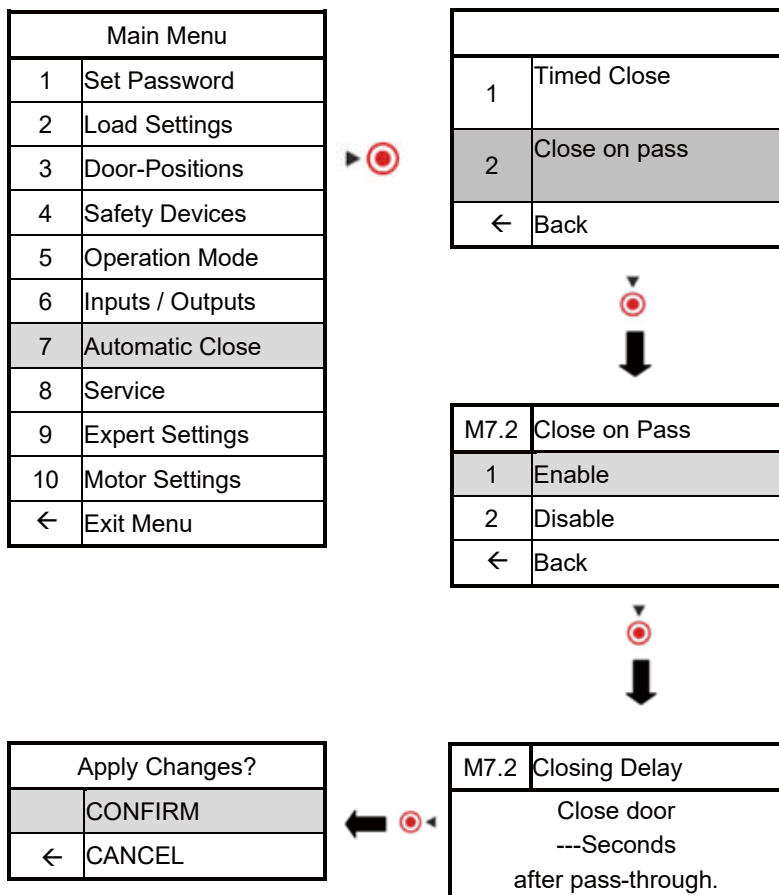
Apply Changes?	
	CONFIRM
←	CANCEL

14.8 Automatic Close



It is mandatory to install a photocell before activating "automatic closing" !

Example "Closing on pass"



The function "Timed close" is programmed similar.

14.9 Service

In the service menu you can show up all information that is related to the door and operator. You can define service intervals, store service contacts etc.

Main Menu	
1	Set Password
2	Load Settings
3	Door-Positions
4	Safety Devices
5	Operation Mode
6	Inputs / Outputs
7	Automatic Close
8	Service
9	Expert Settings
10	Motor Settings
←	Exit Menu



M8	Service
1	System Information
2	Door Information
3	Service Done
4	Service Contact
5	Service Interval
6	View Settings
←	Back

1. "System Information":

Shows model of control unit and software release

Press ● back to the previous menu

2. "Door information":

Shows total number of door cycles and cycles from and until next service

3. "Service done":

Here you confirm that you made service

4. "Service contact":

Here you can store a service contact and phone number

5. "Service interval":

Here you define the no. of cycles for next service

 **Please respect your local regulations in terms of safety of automatic doors !**

14.10 Expert Settings



Caution:

Expert settings may only be executed by trained and authorized professional persons ! Changes and wrong configurations can lead to personal injuries and/or damage of property !

Main Menu	
1	Set Password
2	Load Settings
3	Door-Positions
4	Safety Devices
5	Operation Mode
6	Inputs / Outputs
7	Automatic Close
8	Service
9	Expert Settings
10	Motor Settings
←	Exit Menu



1	Safety Limit
2	Pre-End Position
3	Brake Offset
4	3 x PB Stop Logic
5	Door Type
←	Back

1. Safety Limit:

Here you define an emergency stop position which is prior the end position. This is to avoid that very dynamic doors may move over the end position.

2. Pre-end-position:

Here you define the position where the safety edge logic is switched from reversing to stop. This is to avoid that fast acting doors reverse when they hit the safety edge at the bottom.

3. Brake offset:

Here you define the position where the electrical brake should be activated.

4. 3xpushbutton logic:

Here you define if the connectors at the “push buttons” terminal should act as NC or NO contact

5. Door Type

Here you can choose your door type, such as sectional or high speed. If you have selected door type at Load Settings stage, please ignore it.

14.11 Motor settings

You can set reversal speed in this menu.

Main Menu	
1	Set Password
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M10	Service
1	Emergency-Reversal
2	Soft Reversal
←	Back

M10.1	Emergency-Reversal
1	Very fast
2	Fast
3	Normal
4	Soft
5	Very soft
←	Back



Apply Changes?	
	CONFIRM
←	CANCEL

15. Error Code Table

Error Code	Incident	Description
01	Endposition	The door was moving over the CLOSEDendposition. Go to menu "Motor settings" and reduce the speed of the door in DOWN direction. In addition to that you can go to menu "expert settings – brake offset" and increase the value of the brake offset. If needed, learn the endpositions anew.
02	Endposition	The door was moving over the OPENendposition. Go to menu "motor settings" and reduce the speed of the door in UP direction. In addition to that you can go to menu "expert settings – brake offset" and increase the value of the brake offset. If needed, learn the endpositions anew.
03	Wrong rotation direction	The direction of the motor's rotation is wrong. Due to this UP and DOWN are changed. Go to menu "door positions => motor direction" and change the direction of the motor Motors
04	Door blocked	During movement the door was blocked unexpected. Check the door for manual obstacles (locking devices etc.) This failure also occurs if there is no signal from the encoder. In this case check the wiring of the encoder
05	Door movement	The door has moved but it was supposed to be stopped. If the movement was due to emergency release then you can ignore the failure. If installed, then check the electrical brake of the motor.
08	Configuration	The file of the door configuration is defective. The operator did automatically a factory reset. Program the operator anew.
10	Torque UP	The torque limiter in UP direction is not activated. Go to menu "safety – torque limiter – record reference" and make a new reference learning.
11	Torque DOWN	The torque limiter in DOWN direction is not activated. Go to menu "safety – torque limiter – record reference" and make a new reference learning.
14	Endposition	At least one endposition is missing. Go to menu "door position" and learn the door positions anew.
20	Relays (only 400V Version)	The relays for the motor is broken. Control unit needs to be replaced.
23	Converter over heat	The thermal fuse of the converter is triggered. Wait until the operator cooled down and check if there are any devices nearby the operator that could cause the heating up. Perhaps the duty cycle of the door is too high, please check.

25	Converter hardware	The connection between motor and converter is missing. Please check wiring between motor and converter.
30	Limit switch (only 400 V control unit)	Both limit switches are triggered simultaneously. Check limit switches and their wiring.
33	Pass-door	The stop-switch of the passdoor is triggered. Check door and switch and their wiring
35	Maximum reverse	In autoclosing mode the door reached its maximum attempts to close the door. It reversed due to a triggered safety device. Check the safety device and check for obstacles in the driveway.
60-64	Safety 1 defective	Safety device connected to SAFETY 1 is not working. Check the safety device.
70-74	Safety 2 defective	Safety device connected to SAFETY 2 is not working. Check the safety device.
93	Encoder	Signals from the encoder are missing. Check the wiring of the encoder.
94	Converter	Signals from the converter are missing. Check the wiring of the converter.
96	Safety chain	The terminal "Safety Chain" is open. Check the connected devices on function
97	Safety chain motor	The thermal fuse of the motor is triggered or the emergency release is activated. Let the motor cool down and check emergency release mechanism.

EC Declaration of Incorporation

for the assembly of a partly machine

in accordance with machinery directive 2006/42/EG, annex II part 1 B

the manufacturer herewith declares that the door operators

GET60T/GET100T/GET120T/GET150T/GET180T

is developed and produced in accordance with

- machinery directive 2006/42/EG
- low voltage directive 2014/35/EU
- emc directive 2014/30/EU
- RoHS directive 2011/65/EU

Following normatives have been applied:

- EN 60335-1, as far as it concerns (safety of electrical devices/ operators for doors)
- EN 61000-6-3 (emc)
- EN 61000-6-2 (emc)
- EN 12453:2000 part 5.2 (safety of doors)
- EN 60335-1(safety of electrical devices)
- EN 60335-2-103(safety of electrical devices)
- EN ISO 13849-1(safety of control units for machinery)

Following requirements of machinery directive 2006/42/EG are fulfilled:

1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.2.6, 1.3.2, 1.3.4, 1.3.7, 1.5.1, 1.5.4, 1.5.6, 1.5.14, 1.6.1, 1.6.2, 1.6.3, 1.7.1, 1.7.3, 1.7.4

On request of authorities the technical approvals can be transferred electronically.

The partly machine is only for use on door applications in order to built a complete machine in accordance with machinery directive 2006/42/EG. The door must set in operation only if the above normatives are fulfilled.

March 2022ET Door GmbH