

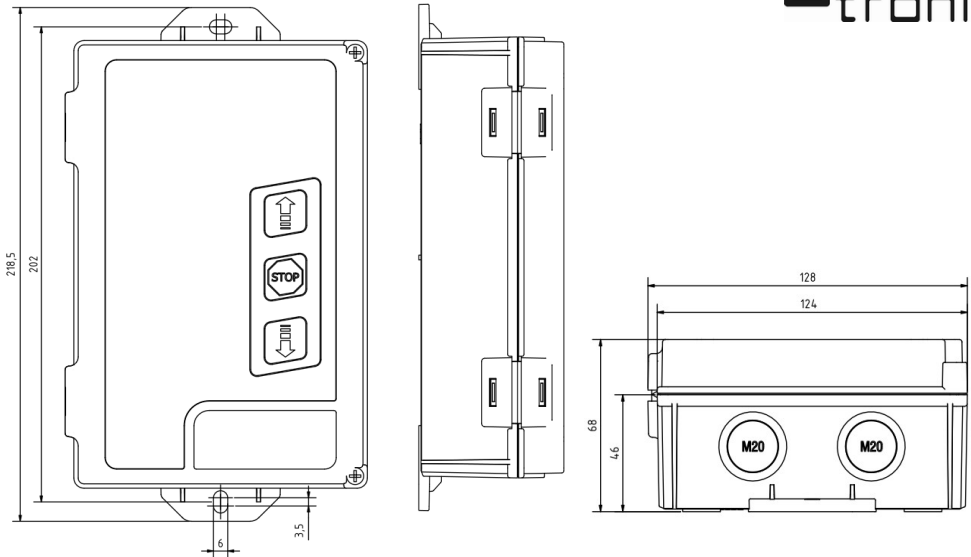
Operation manual

geba[®]
tronic

English

Door control DC2 de Luxe





The DC 2 EN control is designed for the operation of gate systems.

The basic version is designed for dead man's operation.

Latching operation is only permitted if additional safety elements are installed.

The system manufacturer is responsible for the entire system. He must ensure compliance with the relevant standards and guidelines (e.g. DIN EN 12453, DIN EN 13324) and create technical documentation for the entire system. The documentation must be included with the door system. Installation, operation and operation of the control contrary to these operating instructions or the technical specifications given in them endanger people and result in an exclusion of liability and warranty. National and local regulations and standards for installation as well as accident prevention regulations of the professional associations must be observed.



In the case of a permanent connection, an all-pole main switch must be provided.

Make sure that the mains voltage matches the specification on the rating plate.

The controller may only be installed indoors.

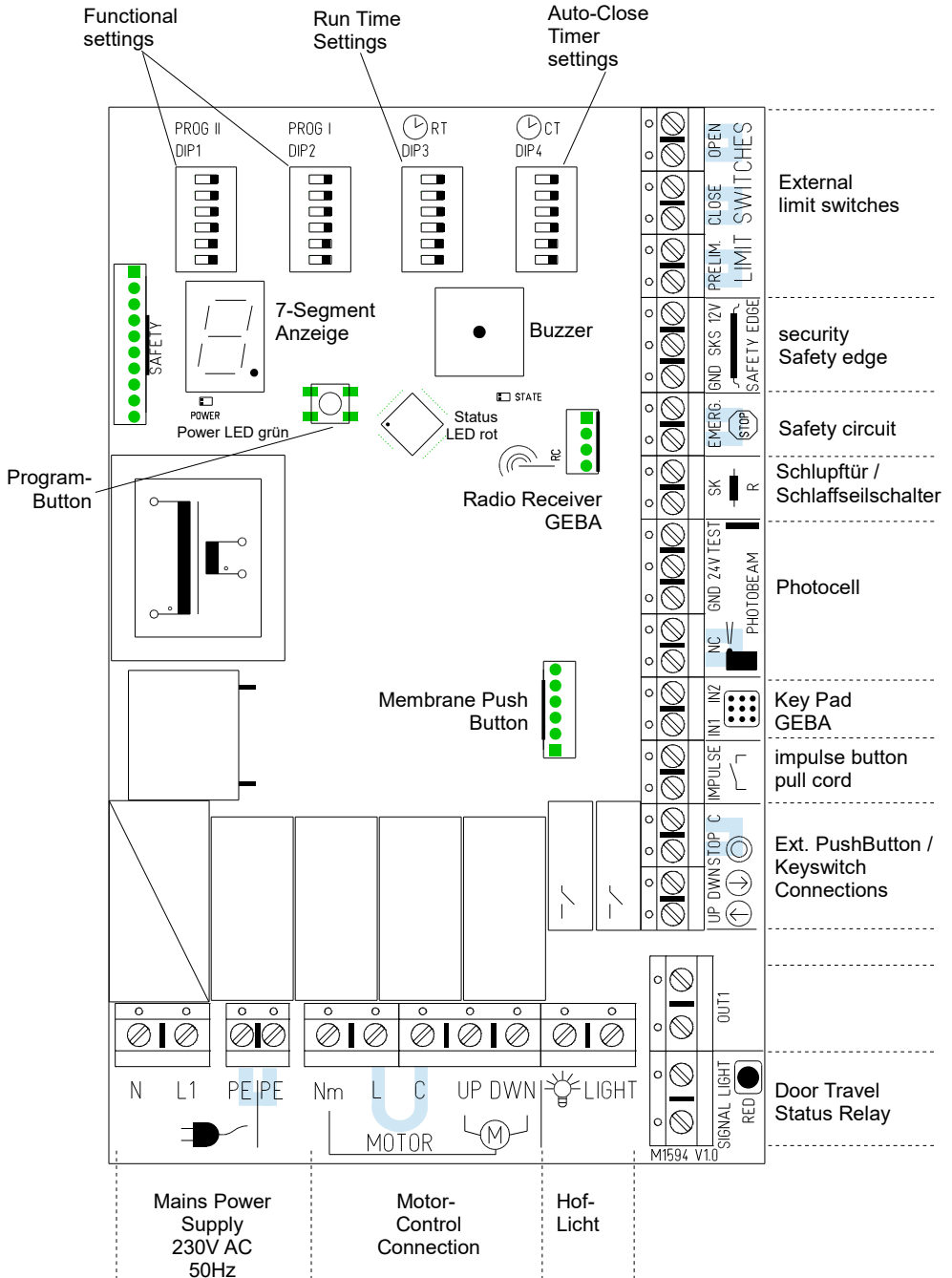
Installation, connection and maintenance of the device may only be carried out by appropriately trained specialists. The relevant national and local regulations must be observed. If you do not observe the safety instructions, you are responsible for the resulting personal injury and damage to property. All safety and accident prevention regulations must be observed during installation, commissioning, operation and maintenance.

Explanation pictograms

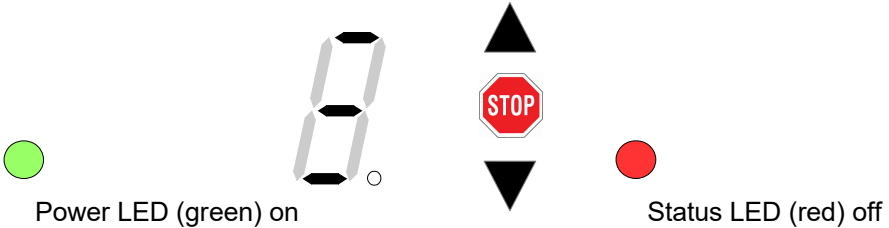
	CAUTION	CAUTION indicates a hazard which, if not avoided, could result in injury
	ATTENTION	ATTENTION indicates measures to avoid damage to property.
	INFO	Designates application tips and other useful information.

Technical specifications	DC2 deLuxe
mains connection	230VAC
frequency	50Hz
protection class	IP54
motor outputs	3x NO Relaiskontakt 230V / 5A
motor power	max. 1150 W
Outputs	2x NO relay contact 230V / 2A
connection cross-section	1,5mm ² max.
ambient temperature	-10 C° bis + 55C°
control current	max. 200mA

Operation manual



Display Status



Switch on the supply voltage, the self-test is running

Ready to use



If you get an error message 1 – 9, please refer to page 6

Normal Operating Status











Display	Status	Notes
	Door ready for operation (normally shows after power on)	
	Door travelling in the OPEN direction	
	Door at TOP position with RUN TIMER expired	
	The door has stopped and is in a middle position	Stop Button Pressed while the shutter is moving Down Button released while the shutter was moving in dead-man Open Button released while the shutter was moving in dead-man
	Door travelling in the CLOSE direction	
	Door at BOTTOM position with RUN TIMER expired	

Troubleshooting

Fault Display

Display	LED red	Fault	Cause	Solution
	LED red	Door will not operate after power up	External Stop Button Pressed	Release External Stop Button
				Release External Stop Button
	LED red	Door will not operate after power up	External Stop Button Pressed	Release External Stop Button
				Release External Stop Button

Fault - Diagnosis

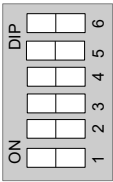
Display	Fault	Cause
	External Stop Button Pressed	Check and release any emergency stop buttons Emergency actuation motor activated Check the installation Check Factory fitted link
	Safety Edge Activated or Defective	Safety Edge activated or defective / Factory fitted resistor disconnected Check or replace safety edge DIP2 (Switch 1) wrong setting Check connection line If the dot is also displayed, there is a hardware error.
	Photocell Activated or Defective	Check alignment of light barriers Check light barrier connections and cable connection, replace if necessary. Check DIP switch setting Factory fitted link disconnected Photocell activated or defective
	Relays Damaged	Replace circuit board Get in touch with your dealer
	Runtime error	Check the installation Check the position of the DIP switches Check the pre-installed bridges Check the external limit switches
	Pull-in protection activated	Check the installation Check alignment of light barriers
	Input IN short circuit or DIP switch PROG II DIP1 ,2 to OFF	Check the installation or DIP switches
	RAM/ROM – test failed	Replace circuit board
	SK safety chain (Slack rope switch or Roll-off safety device) actuated	Check the wiring and position switches
	Power supply not available	Check the installation

Function DIP- Switch



General functions

PROG II DIP1

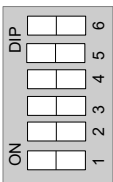


DIP	←			→
1	ON	Not used	Not used	OFF
2	ON	External timer *	keypad / transponder	OFF
3		See table		
4		See table		
5	ON	Learning radio actively	Learning radio deactivate	OFF
6	ON	Programming mode input units, keypads or transponders		OFF

DIP

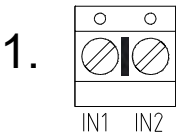
3	OFF	4	OFF	Relay OUT1	Message 'End position OPEN'
3	ON	4	OFF	Relay OUT1	Message 'End position CLOSED'
3	OFF	4	ON	Relay OUT1	Message 'Door in motion'
3	ON	4	ON	Relay OUT1	Activation of 'radio safety edge'

PROG I DIP2



DIP	←			→
1	ON	Safety edge 8k2	optoelectronic (OSE)	OFF
2	ON	Testing DW activated	Testing DW deactivated	OFF
3	ON	GB	D / F	OFF
4	ON	light 2 minutes	light 3 seconds	OFF
5	ON	Traffic light pre-warning active	Traffic light pre-warning deactivated	OFF
6	ON	Test photocell activated	Test photocell deactivated	OFF

* External timer: contact (normally open to IN) actuated, - gate opens, contact opens again, - gate closes.

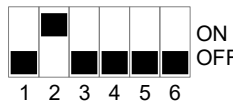


First connect the timer and only then switch on the power supply



External timer

2.



DIP- 1
Programm II
Turn on external timer

PROG II
DIP1

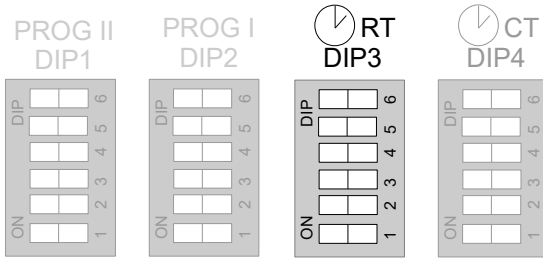


PROG I
DIP2



Function DIP - Switch

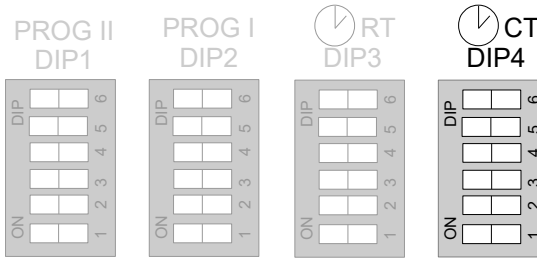
Running Time (RT)



OFF	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	52"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	100"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	148"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	103"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	151"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	58"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	106"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	154"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	61"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	109"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	157"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	64"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	112"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	160"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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22"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	118"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	166"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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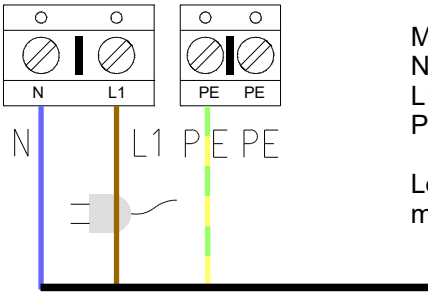
Function DIP - Switch

Automatic Closing Time (CT)



OFF	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	52"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	100"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	148"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	103"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	151"	ON OFF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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13"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	61"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	109"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	157"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	64"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	112"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	160"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	67"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	115"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	163"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	118"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	166"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	73"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	121"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	169"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	124"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	172"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	79"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	127"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	175"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	82"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	130"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	178"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	85"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	133"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	181"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	88"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	136"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	184"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
43"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	91"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	139"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	190"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
46"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	94"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	142"	ON OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	193"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
49"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	97"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	145"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	196"	ON OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Mains connection 230V 230V



Mains connection 230V

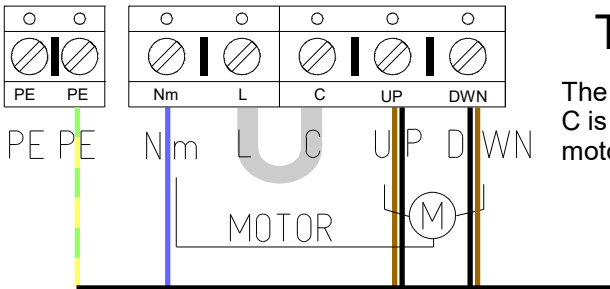
N = neutral (blue)

L1 = phase (brown)

PE = protective earth (green/yellow)

Lead the connection via an all-pole isolating main switch

Motor-Connection



Tubular-Motor

The jumper between terminals L and C is required for a 230V tubular motor.

Motor – Connection

PE = protective earth (green /yellow)

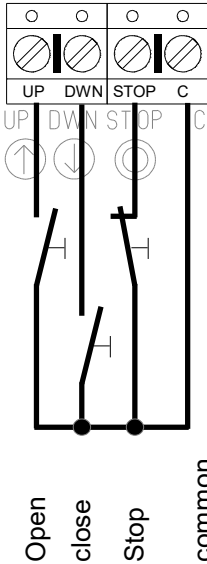
Nm = neutral, motor (blue)

UP = opening (brown / black *)

DWN = closing (black / brown *)

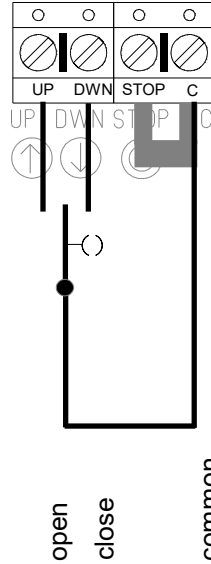
The connections depend on the direction of rotation of the drive.

External pushbutton



A triple push button can be connected to the push button input.

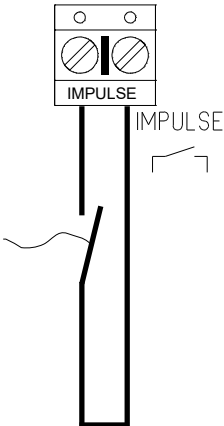
The jumper at the stop input must be removed



Connection for a key switch without a stop function

The jumper at the stop input must be removed

External pull button (impulse)



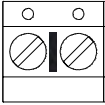
A pull button (impulse button) can be connected to the impulse input.

pulse train =
open - stop - close - stop etc.

Input unit GEBA



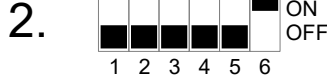
1. First connect the input unit and only then switch on the power supply



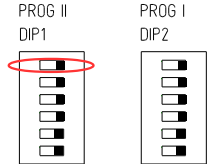
IN1 IN2



Keypad



DIP- 1
Programm II
Switch on
programming mode



- 3.

Code entry (up to 10 four or five digit passcodes) & Service

Distributed to memory locations 0 to 9

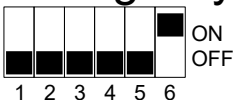
Code entry (e.g.)	Confirmation	Display	Sound	Operation
1234 Storage space 0	Schlüssel-Taste		2 x long	▲ / STOP / ▼
78541 Storage space 1	Schlüssel-Taste		2 x long	▲ / STOP / ▼
5398 Storage space 2	Schlüssel-Taste		2 x long	▲ / STOP / ▼
..... etc. up to storage space 9	Please make a note of the code for the respective storage location			

- 4.



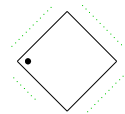
DIP- 1
Programm II
Switch off programming mode

5. Deleting Keypad Codes



DIP- 1
Programm II
Switch on programming mode

Select the desired memory location by pressing the program button
Press the program button for 2 seconds
Code cleared / position free
Set the DIP switch to OFF again.

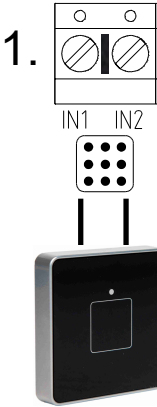


Code storage table

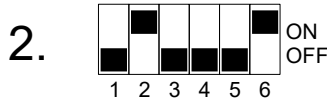
Please make a note of the code for the respective storage location

Storage space	Code
Storage space 0	
Storage space 1	
Storage space 2	
Storage space 3	
Storage space 4	
Storage space 5	
Storage space 6	
Storage space 7	
Storage space 8	
Storage space 9	

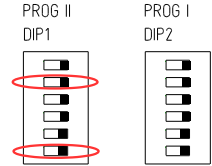
Input unit GEBA



First connect the input unit and only then switch on the power supply



DIP- 1
Programm II
Switch on
programming mode



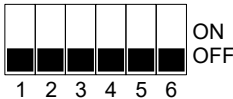
Transponder
Reader

3.

It can store up to 10
transponder keys
distributed to storage
locations 0 to 9

Teach-in	Key Nr.	Storage space
Transponderkey	1	0
Transponderkey	2	1
Transponderkey	3	2
..... etc. up to storage space 9	max. 10 key	

4.



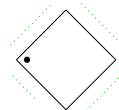
DIP- 1
Programm II
Switch off programming mode

5. Deleting transponder keys



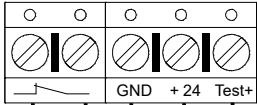
DIP- 1
Programm II
Switch on programming mode

Select the desired memory location by
pressing the program button
Press the program button for 2 seconds
Code cleared / position free
Set the DIP switch to OFF again.



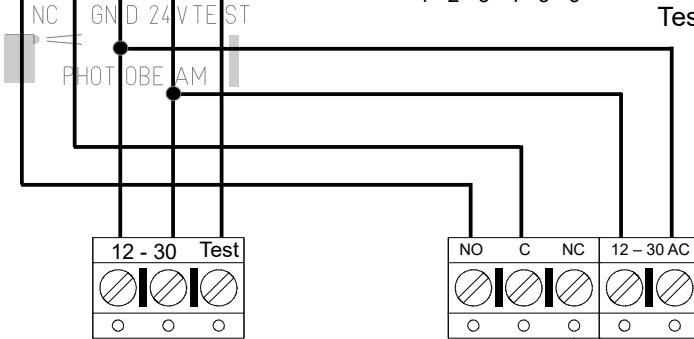
Photocell

Remove bridge



DIP- 2
Program I
ON
OFF

Testing enabled

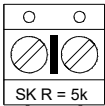


Transmitter with test input

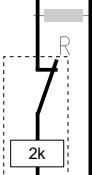
Receiver

Representation in energized state

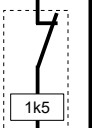
Safety Input (SK)



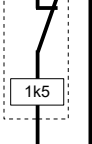
SK



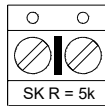
Slip door



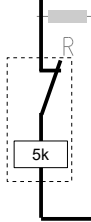
Slack rope



Slack rope



SK



Roll-off safety device

Closing edge protection

The following safety edge systems can be connected directly to the door control:

- Optoelectronic (OSE)
- Electrical safety edge 8k2

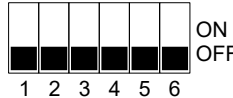
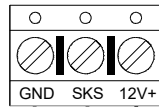
The required evaluator is included in the controller (EN12435)

The optoelectronic safety edge (OSE) is connected directly to the GND, SKS and 12V terminals.

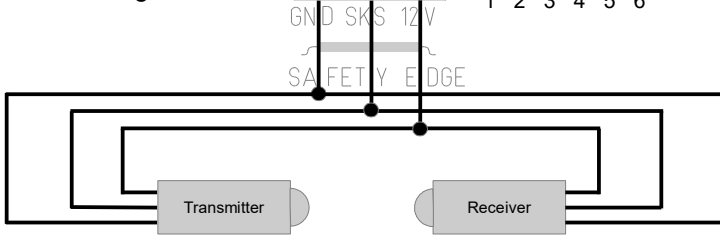
DIP block 2 program I switch 1 must be set to 'OFF'.

Optoelectronic

- + 12V = brown
- GND = white
- SKS = green



DIP-2 Programm I

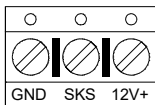


Optoelectronic safety edge (OSE)

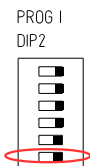
The electrical safety edge with resistor is connected to the GND and SKS terminals and monitored via an 8k2 terminating resistor.

DIP block 2 program I switch 1 must be set to 'ON'.

8k2



DIP-2 Programm I



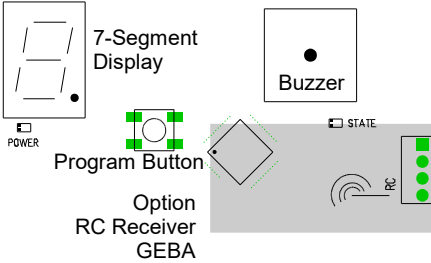
electrical safety edge (resistor)

Radio Control GEBA



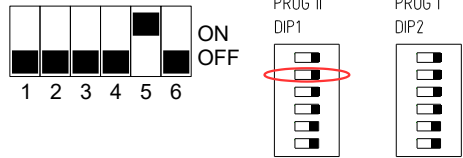
The control is designed for the operation of gate systems. In the basic version it is designed for dead man's operation. Latched operation is only permitted if additional safety elements are installed.

1. First plug in the receiver and only then switch on the power supply



2.

DIP- 1 Programm II Switch on programming mode



3. Programming Transmitter



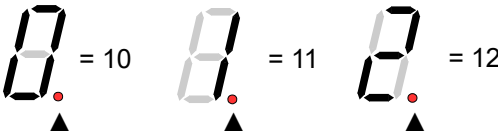
Press a button on the transmitter



Press the button of another transmitter



Proceed as usual for additional transmitter. A maximum of 20 transmitters can be learned in.



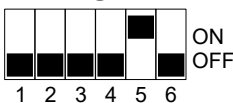
The dot lights up from memory location 10

4.



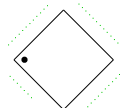
DIP- Switch 1 Programm II Switch 'off' programming mode

5. Deleting of remote controls

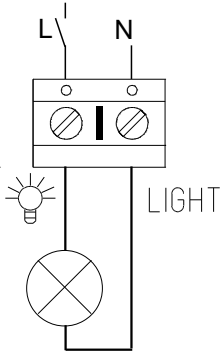


DIP- 1 Programm II Switch 'on' programming mode

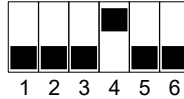
Select the desired memory location by pressing the program button
 Press the program button for 2 seconds
 The buzzer beeps twice / transmitter deleted / position free
 Set the DIP switch to OFF again.



Courtyard light



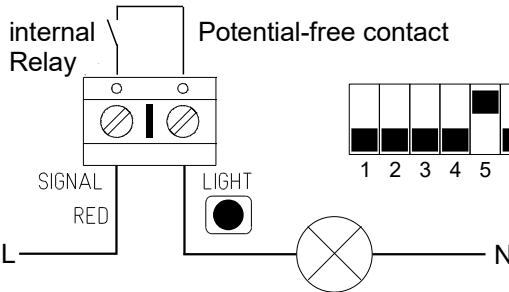
A 230VAC lighting can be connected to the connection.



ON 2 minutes
 OFF 3 seconds
 Programm I
 DIP- 2

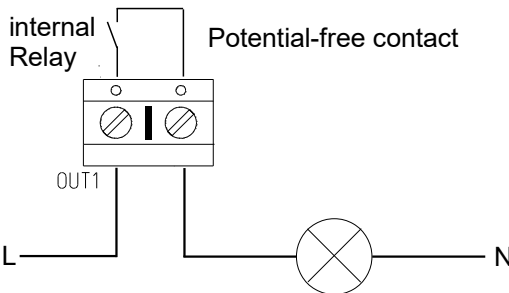
It is activated with every door movement (open or closed)

Traffic light red

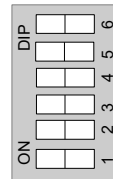


pre-warning active disabled
 Programm I
 DIP- 2

Output OUT1

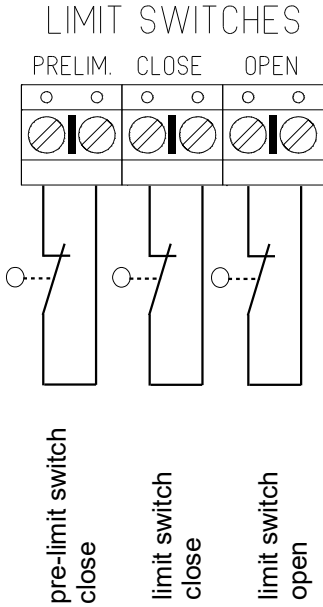


PROG II
 DIP1



DIP					
3	OFF	4	OFF	Relay OUT1	Message 'End position OPEN'
3	ON	4	OFF	Relay OUT1	Message 'End position CLOSED'
3	OFF	4	ON	Relay OUT1	Message 'Gate in motion'
3	ON	4	ON	Relay OUT1	Activation of 'radio safety edge'

External limit switches



If external limit switches are required, they can be connected as an normally close (NO).
The bridges must then be removed.

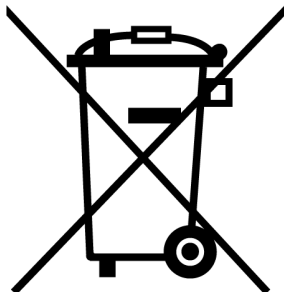
Disposal of old electronic devices in Germany

Important information after Electrical and Electronic Equipment Act (ElektroG)

We would like to point out to owners of old electrical and electronic equipment that old electrical equipment must be disposed of separately from municipal waste in accordance with the applicable statutory provisions.

Disposal

Batteries and accumulators contained in the old electrical equipment that are not firmly enclosed by the old electrical equipment, as well as lamps that can be removed from the old electrical equipment without destroying them, must be separated from the old electrical equipment in a non-destructive manner before they are handed over to a disposal point and taken to a designated disposal facility. If our devices contain batteries or accumulators, you can find further information on the type and chemical system of the battery and how to remove it in the operating instructions for the respective device.



The following illustrated and on electrical and
The symbol of a crossed-out waste bin attached
to old electronic devices also indicates the
obligation to separate disposal.

Return to retail or to the disposal authority

According to § 17 ElektroG, consumer electronics stores and grocery stores are obliged to take back waste electrical and electronic equipment under certain conditions.

When selling new electrical and electronic equipment, stationary distributors must take back old electrical equipment of the same type free of charge (1:1 return).

This also applies to home deliveries.

These distributors must also take back up to 3 small WEEEs (≤ 25 cm) without this being tied to a new purchase (0:1 redemption).

In addition, it is also possible to return used electrical equipment to an official collection point of the public waste disposal authorities.

Deletion of personal data

As the end user, you are responsible for deleting personal data on the waste electrical equipment to be disposed of before handing it in.