



MOTORISED CANTILEVER SLIDING GATES

**Robusta[®] Bekamatic[®]
Industry**

ENDUSER MANUAL

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1. General warnings

These warnings constitute an integral and essential part of the product and must be issued to the user. Carefully read warnings in this paragraph since they supply important information concerning safety of installation, use and maintenance. Safely keep this handbook for any further consultation.

1.1 Warnings for installer and end user

- 1) After removing the packaging, make sure that the equipment is in good condition.
If in doubt, please do not use the equipment but apply professionally qualified personnel. Children should not be allowed in reach of packaging elements (plastic bags, expanded polystyrene, nails, etc.) as they are potential sources of danger.
- 2) Before plugging in the equipment, make sure that the data on the identification plate corresponds to those of the electricity distribution network.
The installation must be carried out by qualified personnel, which have received a technical training on the product, in accordance with current regulations, according to the manufacturers instructions. The installation regulations can vary from country to country. Incorrect installation can cause harm to people, animals or objects, for which the manufacturer cannot be held responsible.
The electrical safety of this equipment is achieved only if correctly connected to an effective earthed system carried out as foreseen by the current safety regulations. It is necessary to verify this fundamental safety requirement and, in case of doubt, ask for an accurate checking of the system by a professional qualified person. The manufacturer cannot be held responsible for eventual damage by not earthing the gate. Check that the electrical capacity of the system is adequate for the maximum power needed for the gate as indicated on the identification plate. If in doubt, please ask a professionally qualified person. The latter should, in particular, also ascertain that the cross-sections of the power supply cables are suitable for the power absorbed by the whole equipment of the gate. It is not advisable to use adaptors, multiple plugs and/or extension wires. Should their use prove indispensable, it is necessary to only use plugs, simple and multiple adaptors and extension cables which are conform to current safety regulations, being careful not to exceed the capacity limit value of the current marked on the single/multiple adaptors and extension cables.
- 3) This gate should be destined only to the use for which it has been expressly designed (the complete system). Any other use should be considered improper and therefore dangerous. Betafence cannot be held responsible for eventual damage caused by improper, incorrect and unreasonable use.
- 4) The use of any electrical equipment involves the observance of some fundamental rules. (All types of equipment).

In particular:
 - Do not touch the equipment with damp or humid hands or feet.
 - Do not use the equipment when you are bare foot.
 - Do not pull the power supply cables in order to disconnect the equipment from the power supply network.
 - Do not leave the equipment exposed to atmospheric agents (rain, sun, etc.) unless expressly foreseen.
 - Do not allow the equipment to be used by small children or incapable persons.
- 5) Before carrying out any cleaning or maintenance operations, unplug the equipment from the electrical supply network either by removing the plug or turning off the main switch.

- 6) In case of a failure and/or poor functioning of the equipment, switch it off, without making any attempt to repair it or direct intervention. Apply exclusively to professionally qualified personnel. The manufacturer or a certified installer, exclusively using original spare parts, should only carry out the eventual repairs to the product. A lack of observance of that mentioned above could compromise the safety of the equipment.
- 7) An omni-power switch should be provided for the installation as foreseen by current safety regulations, with an opening distance of 3 mm or more on the part of the contacts.
- 8) In order to avoid dangerous overheating, the power supply cables shall be installed as much as possible without windings.
- 9) Do not block the suction or dissipation grids. (All the equipment supplied with a grid).
- 10) The user should not place or replace any cable of this equipment, apply exclusively to professionally qualified personnel.
- 11) Should you decide not to use a piece of the equipment of this kind any longer, it is advisable to render the equipment inoperative by cutting it off from the power supply network. We also advise you to render harmless those parts, susceptible of causing a potential source of danger.

1.2 Particular points to note

- Avoid operating near to hinges or mechanical moving organs which could create dangerous situations because parts of the body and clothing can easily be caught up in them and because of the difficulty of freeing oneself from their grasp.
- Remember that this equipment can supply very considerable forces, which could be a source of danger. Do not get within the action range of the gate, while it is moving. Wait until it has reached complete stop. A moving gate can be dangerous for those who enter its action range.
- Set the gate in motion only when it is completely visible and free of impediments and obstacles.
- Do not allow small children to play with the opening controls or with the remote controls.
- Do not allow small children to play within the opening and/or the action range of the gate.
- Do not go against the movement of the gate, as it can cause dangerous situations.
- Clearly indicate on the gate that it is automated and can be put in motion from a distance (if supplied with such a device).
- Inform all the users of the gate of these warnings and the security equipment as mentioned in the users manual. Eventually display this information at a suitable place.
- To guarantee the efficiency of the installation and its correct functioning, it is indispensable to observe the manufacturers indications and to have the periodical maintenance of the installation carried out by professionally qualified personnel. In particular, it is recommended to have the correct functioning of all safety devices checked periodically according the BETAFENCE MAINTENANCE BOOKLET.
- Learn to use the manual emergency control system according to the procedures foreseen in the instruction booklet.

2. Possible installation cases

2.1 Situation 1: (see drawing page 8)

Standard Gate according EN 12453:

- * Main / Emergency Switch on the inside of the gate on the cabinet door.
- * Photocell (TX/RX) at 60 cm height on the outside of the gate (public access).
- * Photocell (TX/RX) at 25 cm height on the inside of the gate.
- * Safety pressure strip (1) on the top of the wing to survey the free passage of the gate.
- * Safety pressure strip (3) and (4) on the guiding post to survey the cutting edges between the wing and the guiding post during the opening of the gate.
- * Safety pressure strip (5) and (6) on the guiding post to survey the cutting edges between the wing and the guiding post during the closing of the gate.
- * Warning light to notify that the wing is moving and/or that the wing will start to move.

Extra optional security and warnings:

- * Safety pressure strip (2) on the rear of the wing to survey the runback route of the wing is needed in ALL CASES where the rear of the wing of the gate is approaching an obstacle (wall, fence etc.) less than 50 cm.
- * Gatelight to illuminate the free passage of the gate so that the possible danger zones are visible at night or with weather conditions with less visibility.

2.2 Situation 2: (see drawing page 9)

Gate installed just behind a closed boundary wall and the wall is covering the whole runback route of the wing.

Required security equipment according EN 12453:

- * Main / Emergency Switch on the inside of the gate on the cabinet door.
- * Photocell (TX/RX) at 60 cm height on the outside of the gate (public access).
- * Photocell (TX/RX) at 25 cm height on the inside of the gate.
- * Safety pressure strip (1) on the top of the wing to survey the free passage of the gate.
- * Safety pressure strip (3) and (4) on the guiding post to survey the cutting edges between the wing and the guiding post during the opening of the gate.
- * Safety pressure strip (5) on the guiding post to survey the cutting edges between the wing and the guiding post during the closing of the gate.
- * Warning light to notify that the wing is moving and/or that the wing will start to move.

SAFETY PRESSURE STRIP (6) IS NOT NEEDED ON THE OUTSIDE OF THE GUIDING POST.

Extra optional security and warnings:

- * Safety pressure strip (2) on the rear of the wing to survey the runback route of the wing is needed in ALL CASES where the rear of the wing of the gate is approaching an obstacle (wall, fence etc.) less than 50 cm.
- * Gatelight to illuminate the free passage of the gate so that the possible danger zones are visible at night or with weather conditions with less visibility.

2.3 Situation 3: (see drawing page 10)

Gate installed direct in line with a fence. The size of the mesh is maximum 25 mm and is covering the whole runback route of the wing.

Required security equipment according EN 12453:

- * Main / Emergency Switch on the inside of the gate on the cabinet door.
- * Photocell (TX/RX) at 60 cm height on the outside of the gate (public access).
- * Photocell (TX/RX) at 25 cm height on the inside of the gate.
- * Safety pressure strip (1) on the top of the wing to survey the free passage of the gate.
- * Safety pressure strip (3) and (4) on the guiding post to survey the cutting edges between the wing and the guiding post during the opening of the gate.
- * Safety pressure strip (5) on the guiding post to survey the cutting edges between the wing and the guiding post during the closing of the gate.
- * Warning light to notify that the wing is moving and/or that the wing will start to move.

SAFETY PRESSURE STRIP (6) IS NOT NEEDED ON THE OUTSIDE OF THE GUIDING POST.

Extra optional security and warnings:

- * Safety pressure strip (2) on the rear of the wing to survey the runback route of the wing is needed in ALL CASES where the rear of the wing of the gate is approaching an obstacle (wall, fence etc...) less than 50 cm.
- * Gatelight to illuminate the free passage of the gate so that the possible danger zones are visible at night or with weather conditions with less visibility.

2.4 Situation 4: (see drawing page 11)

Gate installed direct in line with a fence. A fence also protects the runback of the wing on the inside of the gate. The size of the mesh is maximum 25 mm and is covering the whole runback route of the wing as well on the in-and outside.

Required security equipment according EN 12453:

- * Main / Emergency Switch on the inside of the gate on the cabinet door.
- * Photocell (TX/RX) at 60 cm height on the outside of the gate (public access).
- * Photocell (TX/RX) at 25 cm height on the inside of the gate.
- * Safety pressure strip (1) on the top of the wing to survey the free passage of the gate.
- * Safety pressure strip (3) and (4) on the guiding post to survey the cutting edges between the wing and the guiding post during the opening of the gate.
- * Warning light to notify that the wing is moving and/or that the wing will start to move.

SAFETY PRESSURE STRIP (5) & (6) IS NOT NEEDED ON THE OUTSIDE OF THE GUIDING POST.

Extra optional security and warnings:

- * Safety pressure strip (2) on the rear of the wing to survey the runback route of the wing. Is needed in ALL CASES where the rear of the wing of the gate is approaching an obstacle (wall, fence etc.) less than 50 cm.

- * Gatelight to illuminate the free passage of the gate, so that the possible danger zones are visible at night or with weather conditions with less visibility.

SAFETY PRESSURE STRIP (2) IS NOT NEEDED WHEN THERE IS NO ACCES TO THE REAR OF THE WING. (RUNBACK OF THE WING IS IN A COMPLETE FENCE CAGE).

2.5 Situation 5: (see drawing page 12)

Gate installed with a fence. The size of the mesh is according to our product range for these applications, the distance between the wing in-fill and the fence is MINIMUM 90 CM and is covering the whole runback route of the wing.

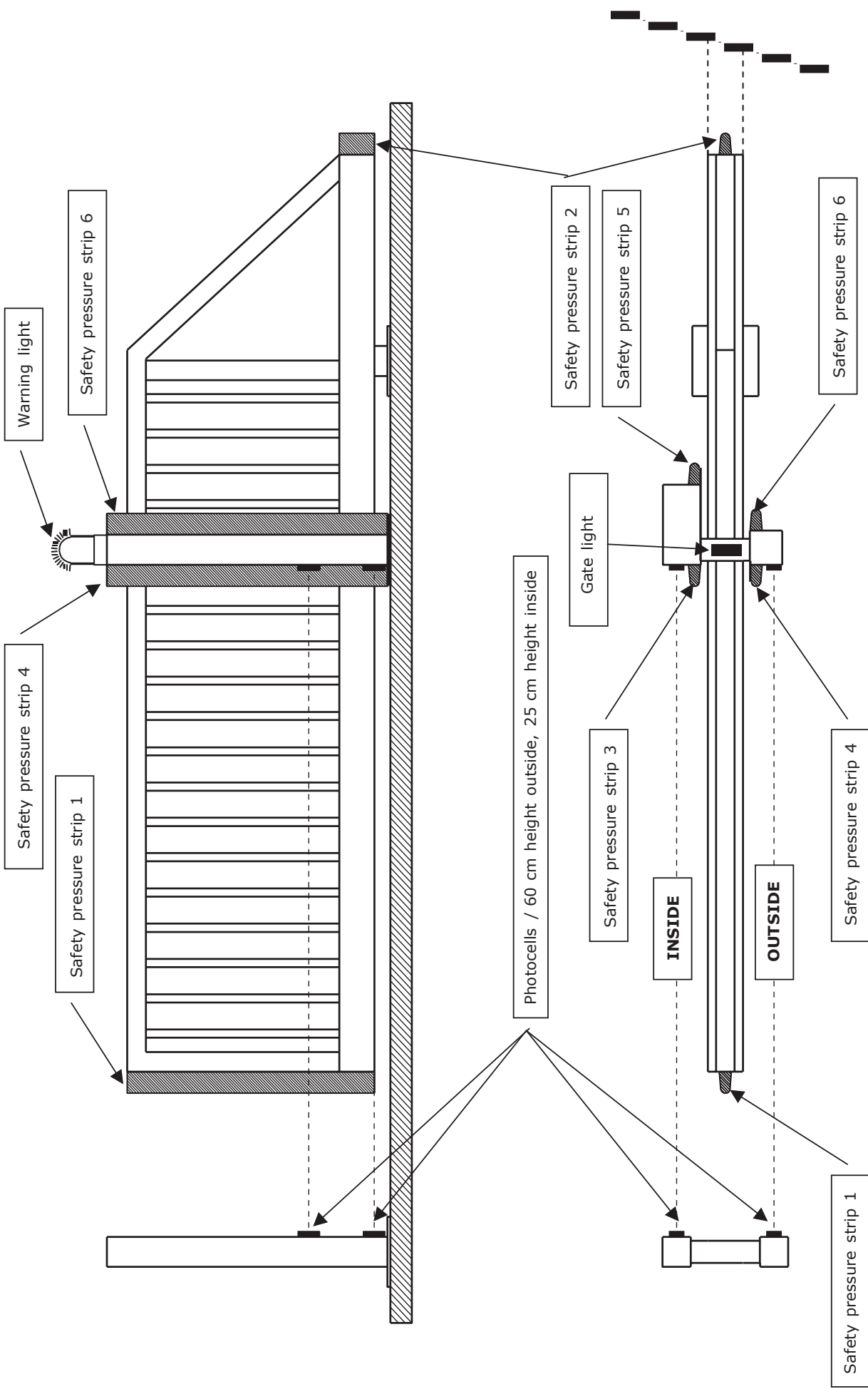
Required security equipment according EN 12453:

- * Main / Emergency Switch on the inside of the gate on the cabinet door.
- * Photocell (TX/RX) at 60 cm height on the outside of the gate (public access).
- * Photocell (TX/RX) at 25 cm height on the inside of the gate.
- * Safety pressure strip (1) on the top of the wing to survey the free passage of the gate.
- * Safety pressure strip (3) and (4) on the guiding post to survey the cutting edges between the wing and the guiding post during the opening of the gate.
- * Safety pressure strip (5) and (6) on the guiding post to survey the cutting edges between the wing and the guiding post during the closing of the gate.
- * Warning light to notify that the wing is moving and/or that the wing will start to move.

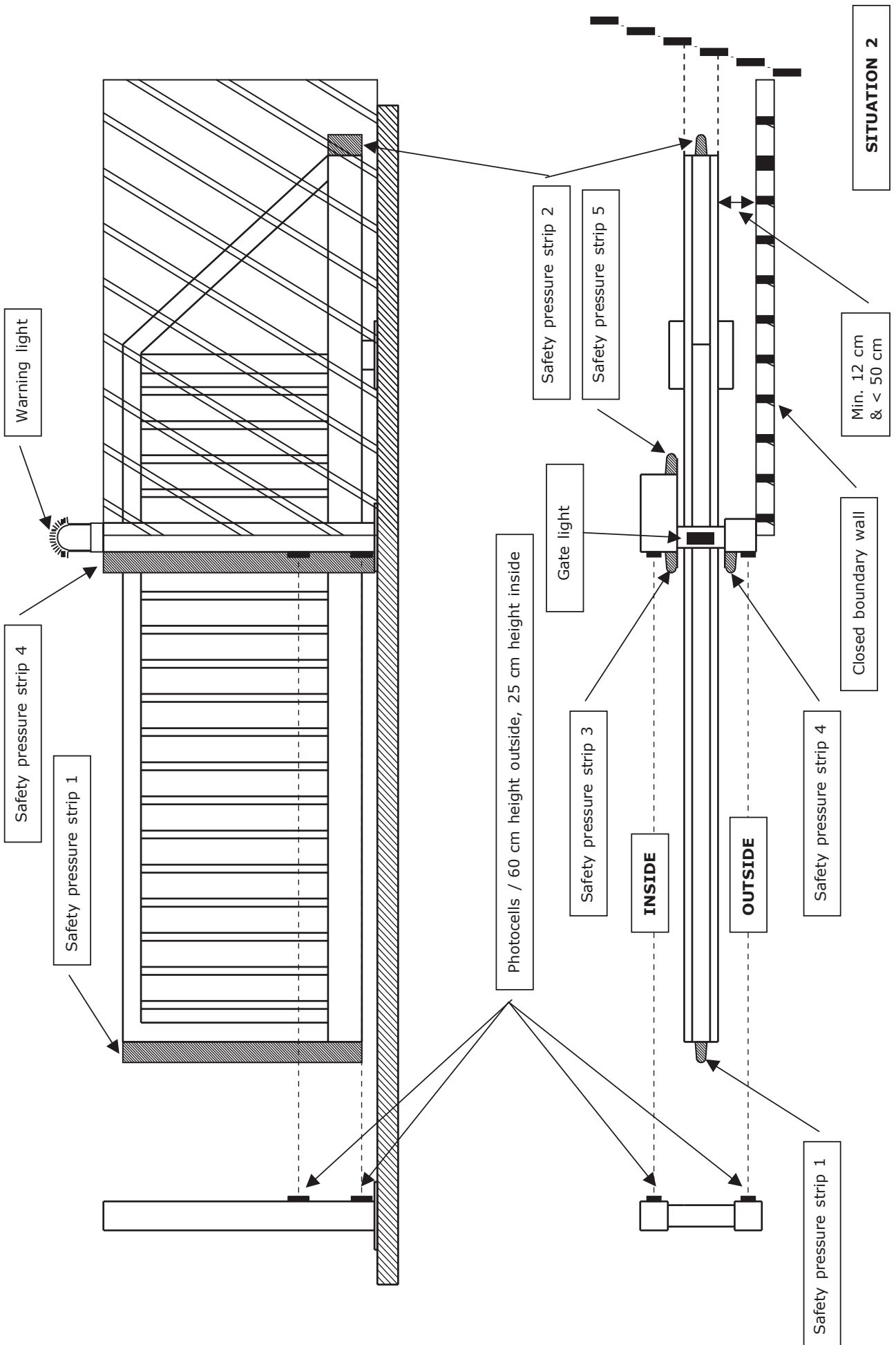
SAFETY PRESSURE STRIPS (2), (5) AND (6) ARE NOT NEEDED ON THE GUIDING POST WHEN THERE IS NO ACCES TO THE REAR OF THE WING. (RUNBACK OF THE WING IS IN A COMPLETE FENCE CAGE AND THE DISTANCE OF 90 CM IS RESPECTED AS WELL ON THE INSIDE AS THE OUTSIDE OF THE GATE).

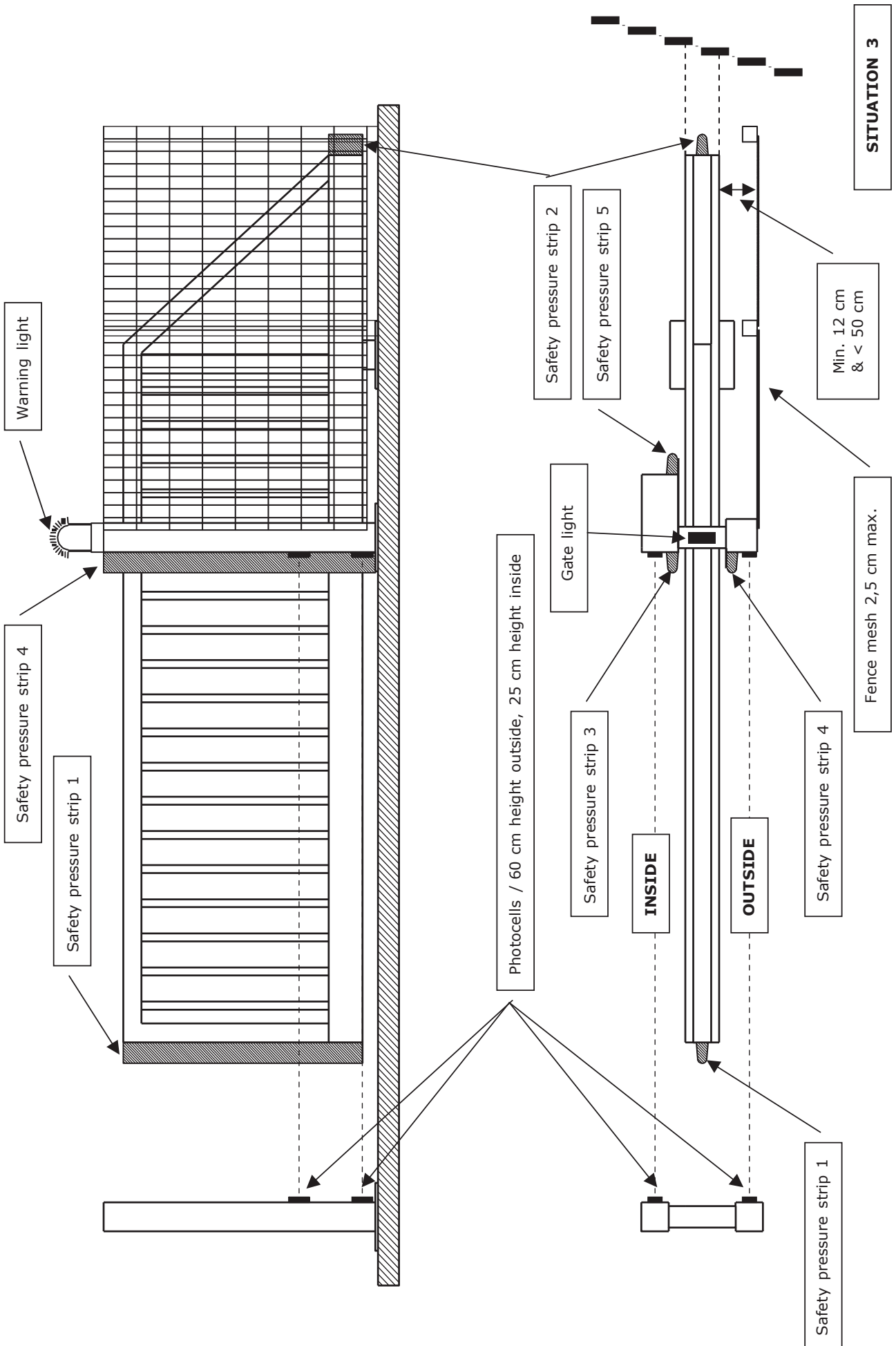
Extra optional security and warnings:

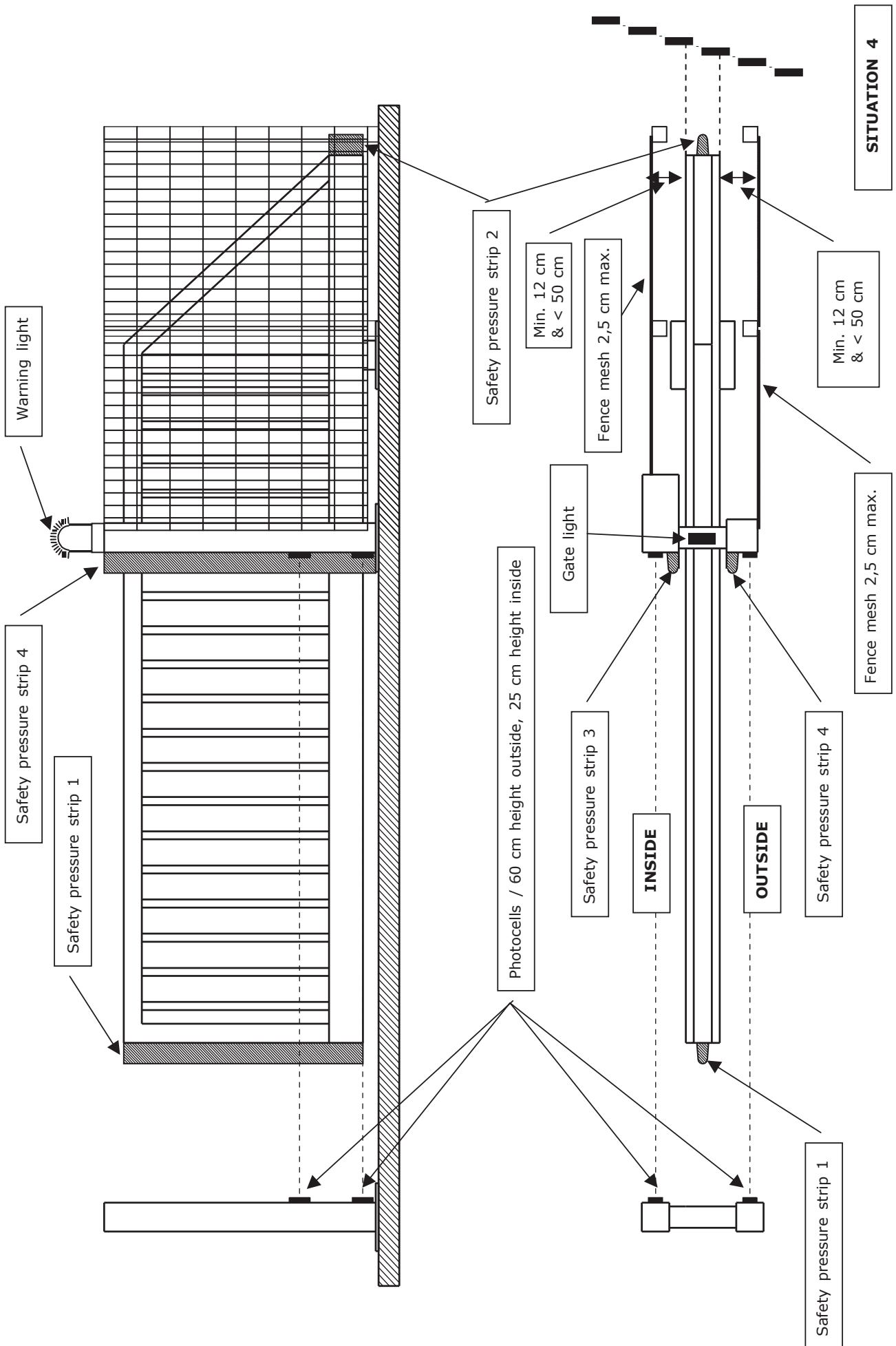
- * Safety pressure strip (2) on the rear of the wing to survey the runback route of the wing is needed in ALL CASES where the rear of the wing of the gate is approaching an obstacle (wall, fence etc.) less than 50 cm.
- * Floodlight to illuminate the free passage of the gate, so that the possible danger zones are visible at night or with weather conditions with less visibility.

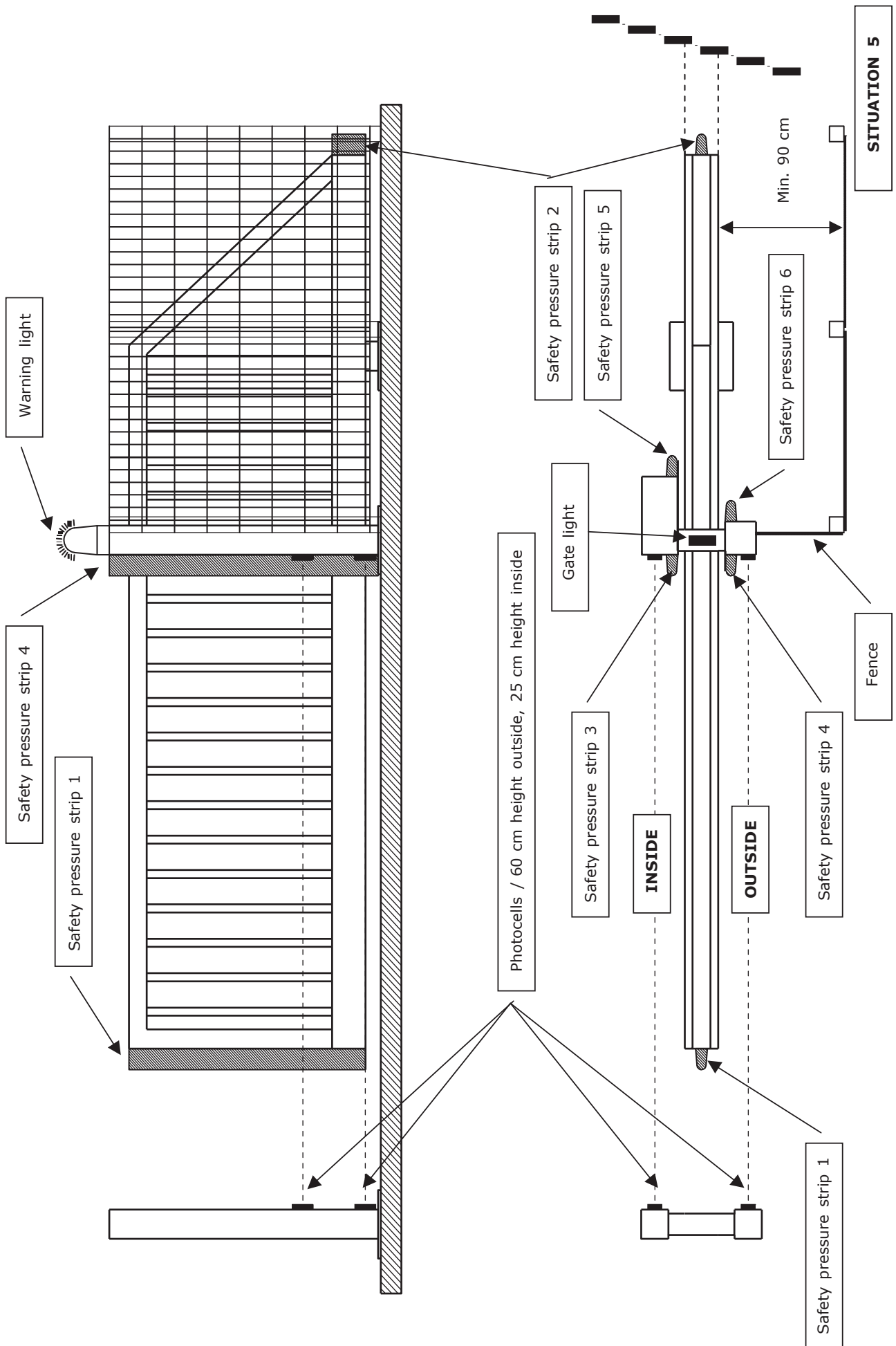


SITUATION 1









3. Electrical Specifications

1. Power supply

Power supply: 230VAC \pm 10% 50-60Hz

Power consumption of IGC 300 including all safety devices : 50VA maximum.

Motor, Warning Light, Gate Light,... not taken into account.

2. Power supply external

Power supply for external components (photocells, limit switches,...): 12VDC

Maximum drawn current: 1A

3. Inputs

All inputs are potential free.

EMS/1, EMS/2 en GSI: normal closed contact

SST, SSE, SCR, SCF, SOR en SOF: 8K2 safety strip

GOI, GCI, GPI, HOI, KCI, KOI: normal open contact

PFT, PRT, PFB, PRB, LSC, LSO: 12VDC

ASO COIL: special coil for inductive safety system

Input abbreviations:

- LSC: **L**imit **S**witch **C**losed gate
- LSO: **L**imit **S**witch **O**pened gate
- SST: **S**afety **S**trip **T**op of gate wing
- SSE: **S**afety **S**trip **E**nd of gate wing
- SCR: **S**afety strip **C**losing side **R**ear of guiding post
- SCF: **S**afety strip **C**losing side **F**ront of guiding post
- SOR: **S**afety strip **O**pening side **R**ear of guiding post
- SOF: **S**afety strip **O**pening side **F**ront of guiding post
- PFT: **P**hoto cell **F**ront **T**op
- PFB: **P**hoto cell **F**ront **B**ottom
- PRT: **P**hoto cell **R**ear **T**op
- PRB: **P**hoto cell **R**ear **B**ottom
- EMS/1: **E**mergency **S**top Input 1
- EMS/2: **E**mergency **S**top Input 2
- GOI: **G**ate **O**pen **I**nterface
- GSI: **G**ate **S**top **I**nterface
- GCI: **G**ate **C**lose **I**nterface
- GPI: **G**ate **P**ulse **I**nterface
- HOI: **H**alf **O**pen **I**nterface
- KOI: **K**ey **O**pen **I**nterface
- KCI: **K**ey **C**lose **I**nterface
- ASO COIL: **A**SO coil connection
- PSI: **P**ower **S**upply **I**nterface

4. Outputs

Total drawn current on all outputs: 6A

APO, GLO, WLO: 230V \pm 10% 50-60Hz max. 4A

LCO: Relay contact max. 4A not fused

Output abbreviations:

- GLO: **G**ate **L**ight **O**utput
- WLO: **W**arning **L**ight **O**utput
- LCO: **S**econd Motor Run Capacitor during start
- CAP: Motor Run **C**apacitor
- MCC: **M**otor **C**ommon **C**onnection
- MLC: **M**otor **L**eft turning **C**onnection
- MRC: **M**otor **R**ight turning **C**onnection
- APO: **A**uxiliary **P**ower **O**utput

5. Temperature range

Operating temperature : -25°C - +65°C

Humidity : Max. 95% non-condensing

6. Motor

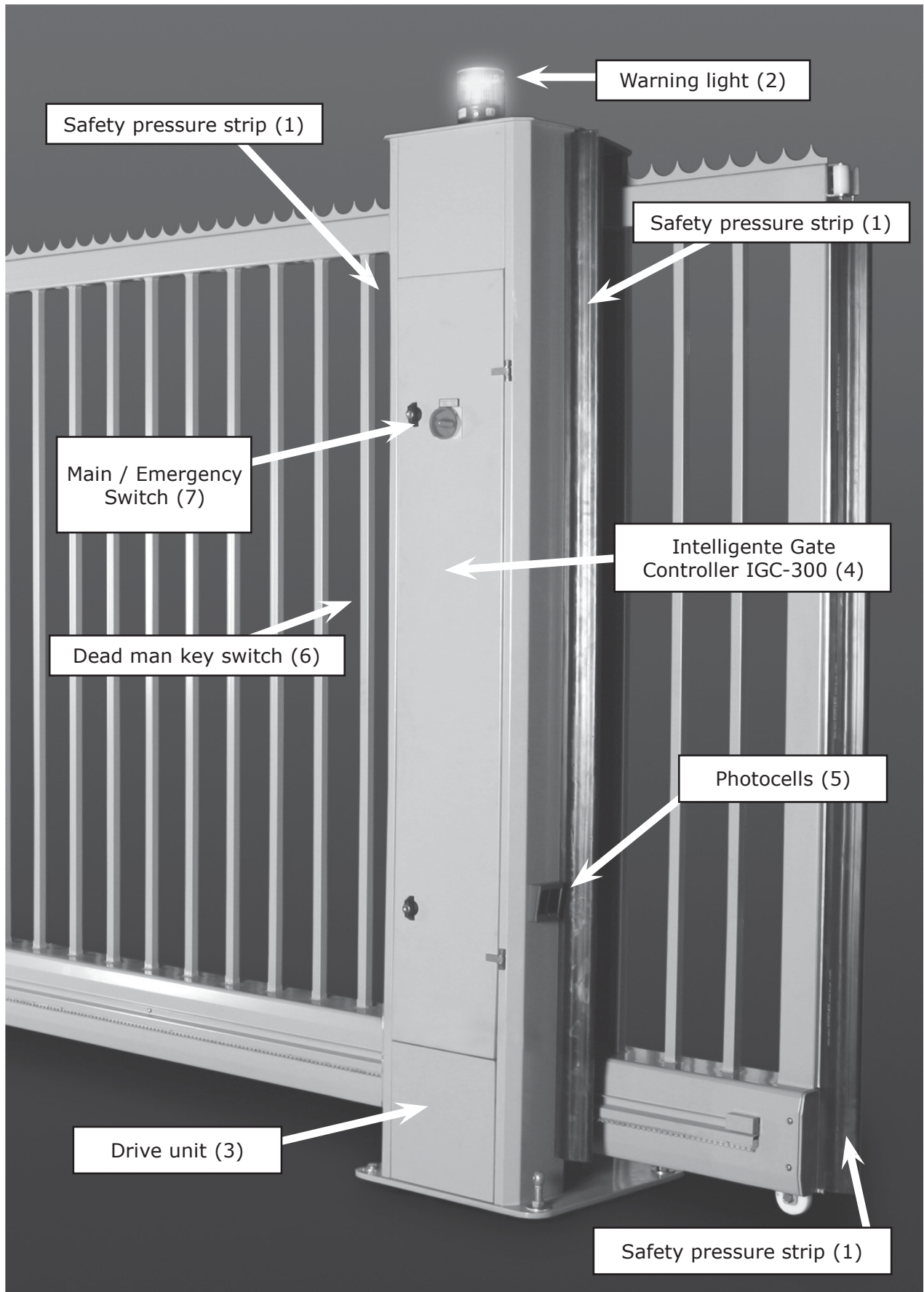
Motor single phase IP55 K07 cl. F

Volt 230	Hz 50	min-1 1410	kW 0.37	Cosφ 0.85	A 2.8	Motor run capacitor 28μF/450 VAC	Class S1
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7. Enclosure of Intelligent Gate Controller IGC-300

protection degree IP65.

4. Situation of the equipment on the gate



1. Safety pressure strips:

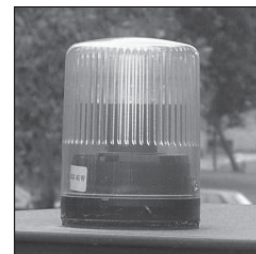
As a standard, five pressure strips are mounted. Four on the guiding post, one on top of the wing. Optional a pressure strip on the back of wing is available.

Cables are with two wires of 0,34 mm².



2. Warning light:

Power supply from Intelligent Gate Controller. 230 VAC /50-60 Hz. Cable with two wires of 1,5 mm². Connected on IGC-300.



3. Drive unit:

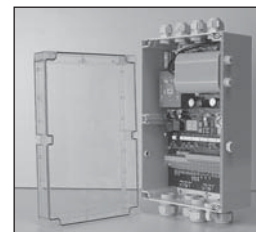
Consists of motor-reduction. The combination of a hinge and two springs pushes the dental wheel into the dental rack. Power supply from Intelligent Gate Controller.

230 VAC / 50-60 Hz.

Cable with 4 wires of 1,5 mm².

Connected on IGC-300.

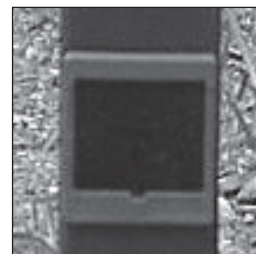
Used standards to be respected.



4. Intelligent Gate Controller IGC-300:

The IGC-300 is an embedded controller with status and error indication and several adjustable control parameters, accessible in two levels. Power supply from main switch.

Power supply 230 VAC / 50-60 Hz. Cable with 3 wires of 1,5 mm².



5. Photocells:

The photocells are a combination of transmitter – receiver. As a standard two pairs of photocells are mounted. At the inside on a height of 25 cm, At the outside on a height of 60 cm.

The controller board is equipped for four pairs.

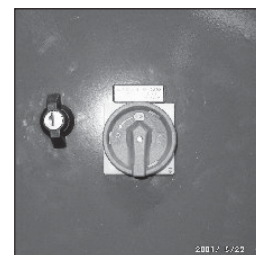
Power Supply from Intelligent Gate Controller, 12 VDC. Cable with 3 wires of 0,34 mm². Connected on IGC-300.



6. Dead man key switch:

Cable with 3 wires of 0,34mm². Connected on Intelligent Gate Controller, IGC-300.

The dead man key switch consists of two normal open contacts, one contact at a time can be made by turning the key in the wanted direction to the left or to the right, for gate movement.



7. Main / Emergency switch:

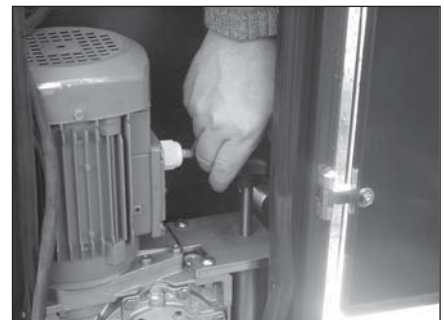
Electrical mains supply coming from external main board to the gate.

This cable must be secured according local applicable legislations for electrical installations.

5. Functioning in manual mode

Basically, putting the gate into the manual mode, is turning down the drive unit so that the dental wheel doesn't grip into the dental rack anymore.

1. Open the door of the cabinet.
2. Turn the threaded rod anticlockwise until the teeth of the dental wheel don't grip into the teeth of the dental rack anymore.



6. Security functions

6.1 Photocells

Up to 4 pairs of photocells can be connected with the Intelligent Gate Controller to guard the wing closing area. For maximum safety, 2 photocells are placed on the inside of the gate and 2 are placed on the outside of the gate, on 2 different heights (e.g. 250 mm and 600 mm). Standard the gate comes with 2 pairs of photocells.

Signals coming from the photocells can be parameterised in the controller:

1. During closing of the gate, the controller can be configured to stop or to reverse the gate on beam interruption.
Default the action is reverse.
2. During opening of the gate, the controller can be configured to take no action or to reverse the gate on beam interruption.
Default there is no action.

As long as one of the photocells is activated, the message '**Pc**' (**P**hoto**c**ell) will be displayed.

For parameter settings contact your installer.



6.2 Safety pressure strips

Signals coming from the safety pressure strips can be processed by the controller in the following way:

1. Stop: the movement of the gate is stopped.
2. Total reverse: the movement is reversed until the gate is completely closed
3. Partial reverse: the movement is reversed for a predefined time adjustable with one of the control parameters.

Default the action is partial reverse.

For parameter settings contact your installer.

6.2.1 Safety strips on the guiding post

The 2 safety strips mounted, on the guiding post, in the free passage of the gate are only active during opening of the gate. The message '**So**' (**S**trip active while **o**pening) will be displayed as long as one of these safety strips is pressed.

The 2 safety strips mounted, on the guiding post, in the closing side of the gate are only active during closing of the gate. The message '**Sc**' (**S**trip active while **c**losing) will be displayed as long as one of the safety strips is pressed.



6.2.2 Safety pressure strips on the wing

Safety pressure strip on top of the wing

The safety strip mounted on top of the wing is intended to stop or (partial) reverse the wing movement when it runs into an object placed in the wing closing area. This safety strip is only active when the gate is closing. The message '**Sc**' (**S**trip active while **c**losing) will be displayed as long as the strip is pressed.

Safety pressure strip on the rear of the wing

The safety strip mounted on rear of the wing is intended to stop or (partial) reverse the wing movement when it runs into an object placed in the wing opening area. This safety strip is only active when the gate is opening. The message '**So**' (**S**trip active while **o**pening) will be displayed as long as the strip is pressed.



6.3 Warning Light

The warning light will start flashing from the moment a command is given to open/close. The time that the warning light is on before the gate starts to move can be parameterized. Default the time is zero seconds.

For parameter settings contact your installer.

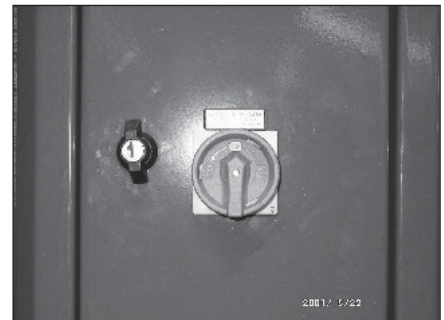


6.4 Main / Emergency Switch

When the main switch indicates " ON " the gate is powered and can function in the motorized mode.

When the main switch is turned to the left indicating " OFF " the power supply is shut off and the gate stops immediately.

The execution of the main switch with a yellow background and a red button permits to use it also as an emergency switch.



7. Gate functions

7.1. Dead man key switch

The dead man key can be parameterised to function in two ways:

1. The key switch has to be hold to the left or to the right to keep the wing moving. All safety functions are overruled.
2. If the safety functions are not activated, tipping with the key switch to the left or to the right, will start the motor and keep the motor running until the desired end position is reached.
Automatically, when with this setting, one of the safety devices is active, the dead man key switch will work again as described under point 1.



Default the dead man key switch works as described under point 2.

ATTENTION!

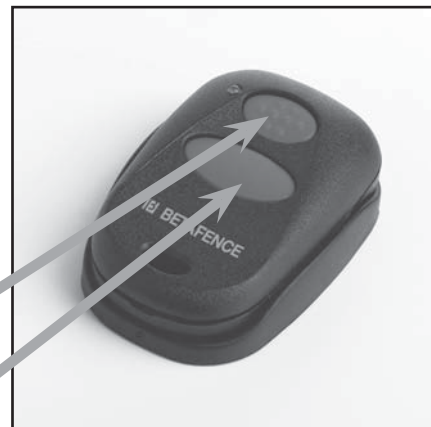
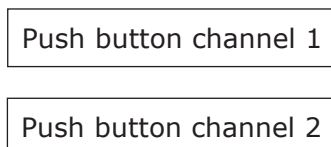
Operating the gate with the dead man key switch is thus possible when (one of) the safety devices. The only inputs of the controller that will not be ignored are the limit switches. This means that when one of these limit is are malfunctioning, the dead man operation will not be functioning anymore.

For parameter settings contact your installer

7.2. Remote control

7.2.1 Operation

Activating the remote control push button will open, close or stop the gate, depending on the previous operation of the gate. The following table gives an overview for the remote control pulse input actions.



Gate actual Status	Previous Operation	Action on remote control
Open	Open or close	Close
Close	Open or close	Open
Stopped halfway	Open	Close
Stopped halfway	Close	Open
Moving	Open or close	Stop

When pushing a button the red LED indicator illuminates, which is an indication that the remote control is sending a radio signal. When during this action the red LED indicator doesn't illuminate this means that either the battery is empty or the remote control itself is broken.

7.2.2 Replacing the battery

Open the remote control with a small screw driver.
 Turn the remote control and take out the battery.
 Reposition a new battery and close the remote control by pressing the backside back on the buttonside.
 Battery model : CR 2032 3V



8. Maintenance

WARNING!

PRESSURE STRIPS HAVE TO BE CHECKED ON THEIR FUNCTIONING AT LEAST ONCE EVERY SIX MONTHS.

8.1 Executed by the user

1. Cleaning:

The under beam will be cleaned by removing particles and other dirt with a brush so that the gate always runs smoothly by hand. The under beam is opened by unscrewing the cover plate on the rear side of the under beam.

WARNING: NEVER USE A JET CLEANER OR WATER HOSE TO CLEAN-UP THE GATE

2. Photocells:

Keep the cover glasses free of mud, snow or ice deposition. If necessary remove dirt with a dry rag.

3. Visibility round the gate

Keep the immediate area round the gate free of obstacles who might obstruct the vision on the gate, the correct functioning of it, or what could cause damage to the gate itself.

4. Vegetation

Take care that the gate can move freely between plants or other vegetation in the immediate area.

8.2 Technical maintenance

1. How?

Please contract an authorised installer/maintenance company to maintain the gate periodically to ensure the safe function of the gate. All records of maintenance services and/or repair shall be preserved at least for the entire life expectation of the gate.

2. What?

The maintenance company shall check, adjust or replace the different items as mentioned on the documents in the maintenance- and repair record sheet.

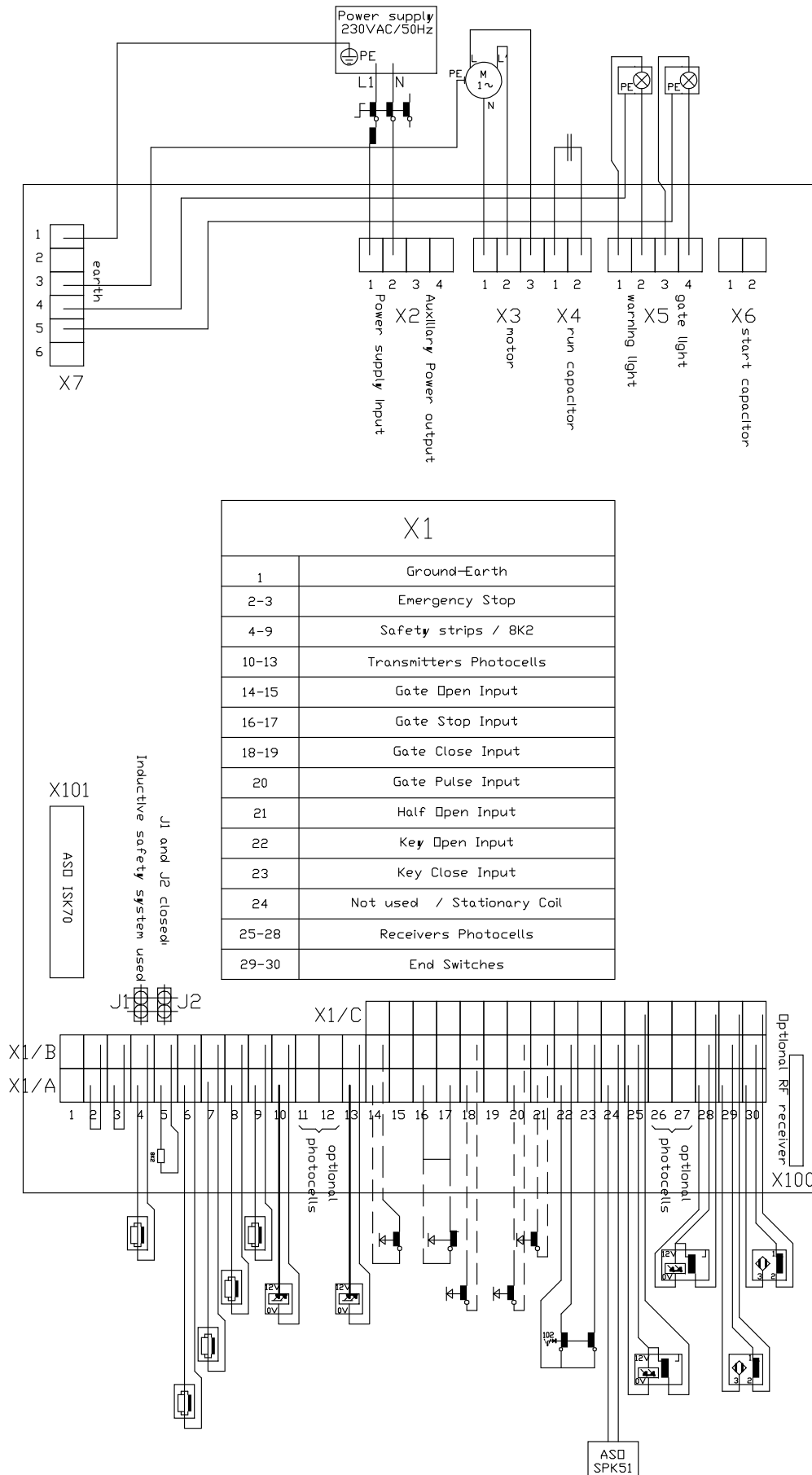
3. Frequency

The check-ups shall be executed according to the legislation with a minimum of once a year.

IMPORTANT!

1. There are no parts on the gate that need to be lubricated or where oil has to be changed.
2. Only genuine parts will be used for necessary replacements.
3. Damage of the coating shall only be repaired with a PU-paint and shall be done by a professional.

9. Wiring diagram



10. Maintenance and report sheet

Maintenance in reference to contract number: _____

On: _____ took the installation of an automatic gate place described as follows.

Date of introduction: _____

Client: _____

Place: _____

Description of the installation			
Type of gate:	_____		
Serialnumber	of	the	gate:
Application:	Private <input type="checkbox"/>	Industrial <input type="checkbox"/>	Number of cycles/day:
Motorisation:	Brand: _____	Type: _____	Serial number: _____
	Brand: _____	Type: _____	Serial number: _____
Electronics:	Brand: _____	Type: _____	Serial number: _____
Accessories	Brand: _____	Type: _____	Quantity: _____
for gate	Brand: _____	Type: _____	Quantity: _____
operation	Brand: _____	Type: _____	Quantity: _____
	Brand: _____	Type: _____	Quantity: _____
Accessories	Brand: _____	Type: _____	Quantity: _____
for security	Brand: _____	Type: _____	Quantity: _____
	Brand: _____	Type: _____	Quantity: _____
	Brand: _____	Type: _____	Quantity: _____
Accessories	Brand: _____	Type: _____	Quantity: _____
for	Brand: _____	Type: _____	Quantity: _____
signalisation	Brand: _____	Type: _____	Quantity: _____
	Brand: _____	Type: _____	Quantity: _____
	Brand: _____	Type: _____	Quantity: _____
Other	Brand: _____	Type: _____	Quantity: _____
accessories	Brand: _____	Type: _____	Quantity: _____
	Brand: _____	Type: _____	Quantity: _____

Measuring the pressure on the wing:			
< 15 daN <input type="checkbox"/>	> 15 daN <input type="checkbox"/>	> 30 daN < 50daN <input type="checkbox"/>	> 50 daN <input type="checkbox"/>

Maintenance visit report

in reference to contract number: _____

Place: _____

Company: _____	Date: _____ Time: _____ Duration: _____
Service number: _____ Service cycle number: _____	Maintenance interval: Annual <input type="checkbox"/> Semestrial <input type="checkbox"/> Name of the mechanic: _____ Signature: _____

List of points that must be checked

In case the contract is planned for twice a year, the frequency of the parts that must be checked are foreseen of the letter A (annual), S (semestrial).

frequency point	checked	repaired	checked	repaired	frequency point	checked	repaired	checked	repaired
			maintenance	exchanged				maintenance	exchanged
<u>Gate</u>					<u>Access Control</u>				
S					A				
A					A				
A									
S					A				
A					A				
A					A				
A					A				
S					A				
A					<u>Safety Accessories</u>				
<u>Motorisation</u>					S				
S					S				
S					S				
S					S				
<u>Transmission</u>					<u>Signalisation</u>				
S					S				
S					S				
S					S				
<u>Electronic Controller</u>									
A									

Measuring the pressure on the wing:
 < 15 daN > 15 daN > 30 daN < 50daN > 50 daN

In case of repair or exchange please write down the reason of it:

 Remarks: _____

Maintenance visit report

in reference to contract number: _____

Place: _____

Company	Date: _____ Time: _____ Duration: _____ Maintenance interval: Annual <input type="checkbox"/> Semestrial <input type="checkbox"/> Name of the mechanic: _____ Signature
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Description of faults, remarks:

Taken solutions:

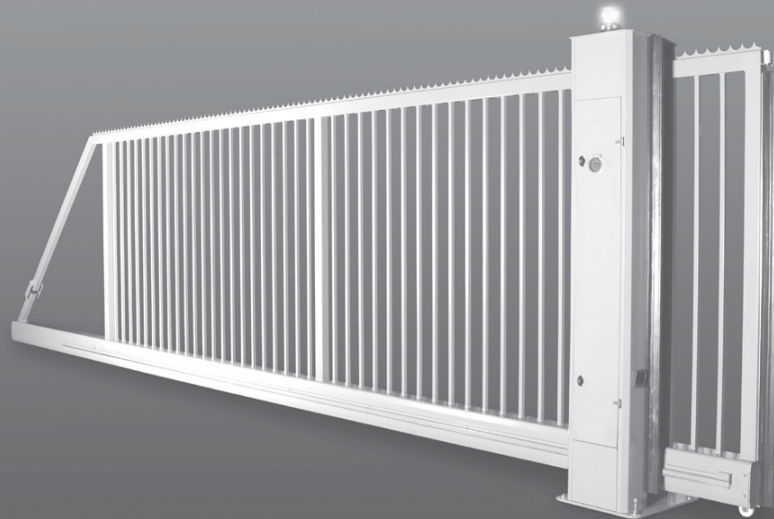
Replaced components:

Description	Brand	Brand number	Quantity

Repair carried out during warranty out of warranty
 Repair carried out inside a warranty contract and will not be invoiced
 Repair carried out inside a warranty contract and will be invoiced

11. CE Declaration of Performance (DOP)

A CE label from Betafence guarantees the gate has been produced following the CE Regulations as specified in the EU Construction Products Regulation (N° 305/2011). A specific Declaration of Performance (DoP) is available for this gate with number DoP-Beta-0xx (written on the CE label). The contents of this Declaration of Performance can be consulted on www.betafence.net/CE.



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ENGLISH :Attention: in every case the user is the last responsible for his gate. The user is responsible for:

- The safety of his gate
- Correct functioning of his gate
- Yearly maintenance on his gate

Under the safety and correct functioning of the gate it is understood that the user checks on a regularly basis (minimum once a year) if all safety devices and access control options are still working properly as they should be.

Under the yearly maintenance it is understood that the maintenance that is described by the manufacturer has to be followed. If a maintenance contract between the customer and Betafence is existing, Betafence will take care for this maintenance. Otherwise the user is responsible for the maintenance.

For the **German** market, the responsible person for maintenance also has to perform every year the yearly measurements as they are prescribed in DIN EN 12453. If these measurements show that something is not correct, after communication to the user of the gate, immediate action has to be taken under responsibility of the user.

For older gates that are not being built according to DIN EN 13241-1, the user is in any case responsible for updating his gate to the newest regulations.

DUTCH: Opgelet: in alle omstandigheden is de gebruiker de laatste verantwoordelijke voor zijn poort. De gebruiker is verantwoordelijk voor :

- De veiligheid van zijn poort
- Het correct functioneren van zijn poort
- Het jaarlijkse onderhoud van zijn poort

Onder de veiligheid en het correct functioneren van de poort verstaan we, dat de gebruiker op regelmatige tijdstippen(minimum 1 keer per jaar) controleert als alle veiligheidsvoorzieningen en toegangscontrole opties nog steeds naar behoren werken.

Onder het jaarlijks onderhoud verstaan we dat het onderhoud dat voorgeschreven wordt door de producent van de poort gevolgd moet worden. Als er een onderhoudscontract tussen de klant en Betafence bestaat, zal Betafence instaan voor dit onderhoud. Anders is de gebruiker verantwoordelijk voor het onderhoud.

Voor de Duitse markt, de persoon die verantwoordelijk is voor het onderhoud van de poort, moet ook elk jaar de jaarlijkse metingen uitvoeren zoals die beschreven staan in DIN EN 12453. Als deze metingen aantonen dat er iets niet correct is, na communicatie met de gebruiker van de poort moet er onmiddellijk actie genomen worden om dit probleem te verhelpen. Dit onder verantwoordelijkheid van de gebruiker.

Voor oudere poorten die niet gebouwd zijn volgens DIN EN13241-1 is de gebruiker ten allen tijde verantwoordelijk voor het opwaarderen van zijn poort naar de nieuwste geldende normen.

DEUTSCH: Achtung: Der Endbenutzer trägt die alleinige Verantwortung für sein Tor. Der Benutzer ist verantwortlich für:

- Die Sicherheit des Tores
- Korrekte Funktionsweise seines Tores
- Jährliche Wartung für sein Tor

Unter Sicherheit und korrekter Funktionsweise des Tores versteht man, dass der Benutzer regelmäßig überprüft (mindestens einmal jährlich), dass die Sicherheitseinrichtungen und alle Elemente der Zutrittskontrolle einwandfrei funktionieren.

Die jährliche Wartung ist nach den Richtlinien des Herstellers durchzuführen. Wurde ein Wartungsvertrag mit Betafence vereinbart, wird die Wartung von Betafence durchgeführt. Ansonsten ist der Endbenutzer hierfür verantwortlich.

Für den deutschen Markt: die verantwortliche Person für die Wartung muß auch die jährlich vorgeschriebene Messung nach DIN EN 12453 durchführen. Weisen diese Messungen aus, dass etwas nicht korrekt ist, muß der Endbenutzer darüber informiert werden. Die sofort einzuleitenden Maßnahmen unterliegen der Verantwortung des Endbenutzers.

Für ältere Tore, die nicht nach DIN EN 13241-1 gebaut wurden, ist der Anwender in jedem Fall verantwortlich für die Aktualisierung seines Tores nach den neuesten Vorschriften

FRENCH : Attention: dans tous les cas, l'utilisateur est la dernière responsable de sa porte. L'utilisateur est responsable pour:

- La sécurité de sa porte
- La propre fonctionnement de sa porte
- Entretien annuel sur sa porte

Sous la sécurité et le bon fonctionnement de la porte, il est entendu que l'utilisateur vérifie sur une base régulière (minimum une fois par an) si tous les dispositifs de sécurité et options de contrôle d'accès ont une fonctionnent correcte.

En vertu de l'entretien annuel, il est entendu que l'entretien qui est décrit par le fabricant doit être suivi. Si un contrat de maintenance entre le client et Betafence est existant, Betafence se chargeront de cet entretien. Sinon, l'utilisateur est responsable de l'entretien.

Pour L'Allemagne, la personne responsable de la maintenance doit également effectuer chaque année les mesures annuelles qui leurs est prescrit dans la norme DIN EN 12453. Si ces mesures montrent des choses incorrectes, après communication à l'utilisateur de la porte, une action immédiate doit être prise sous la responsabilité de l'utilisateur.

Pour les anciennes portes qui ne sont pas construits selon la norme DIN EN 13241-1, l'utilisateur est en tous cas responsable de la mise à jour de son portail aux nouveaux règlements.