AUTOMATIC ABOVE-GROUND COVER



TIXIT

TECHNICAL INSTRUCTIONS

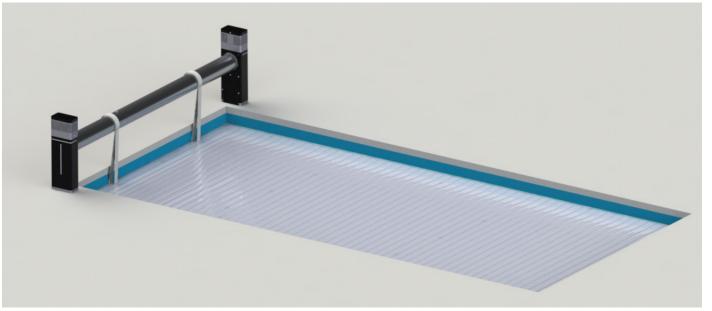
Installation / Use / Cleaning / Maintenance / Safety advice

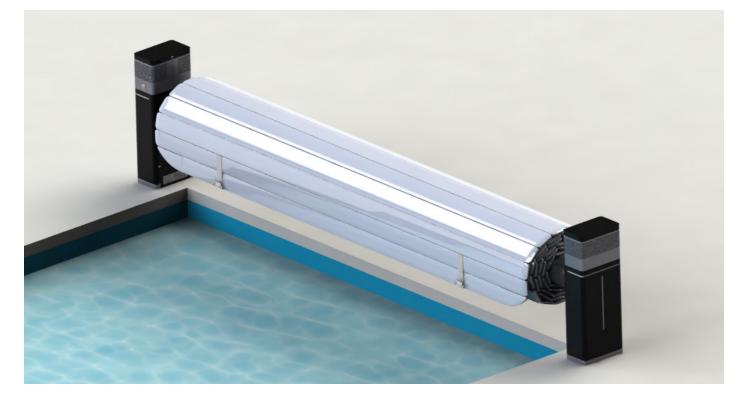


NOTICE TO BE GIVEN TO THE USER AFTER INSTALLATION IS COMPLETE PLEASE READ CAREFULLY AND KEEP IN A SAFE PLACE.

Automatic motorised above ground safety cover using either mains electricity or solar power. The opening or closure operation requires about 2 minutes for one person and about 3 minutes to lock or unlock the attachment kits.

Maximum pool size: Length: **10 m + steps** Width: **5 m**





At the time of publication, covers with an overlap and covers with removable steps on the side are not compliant with standard NF P 90-308. Unless otherwise specified by the manufacturer, immersion alarms are not compatible

with DEL automatic covers.

The roller:





32 cm at the shaft



- Solar version: The solar panel and batteries are built into the tube fitted.
- Electric version: The electrical control box is fitted in a technical room close to the pool. (see page 13 for the box size)

Optional:

- "Torque limter":

- "Chlorinator coupling" (electric version only):

detected. (unlocking of locking kit oversight)

be accessed from the exterior of the terminal.

it has been fully unrolled or rolled, is done

directly on the motor.

Cover control: - Wi-Key "wireless"

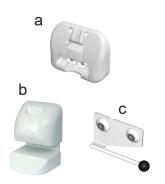
Or

Connected to the roller and chlorinator control box, this option is used to automatically reduce chlorine production when the pool is closed in order to avoid excess chlorine in the water.









Slats:

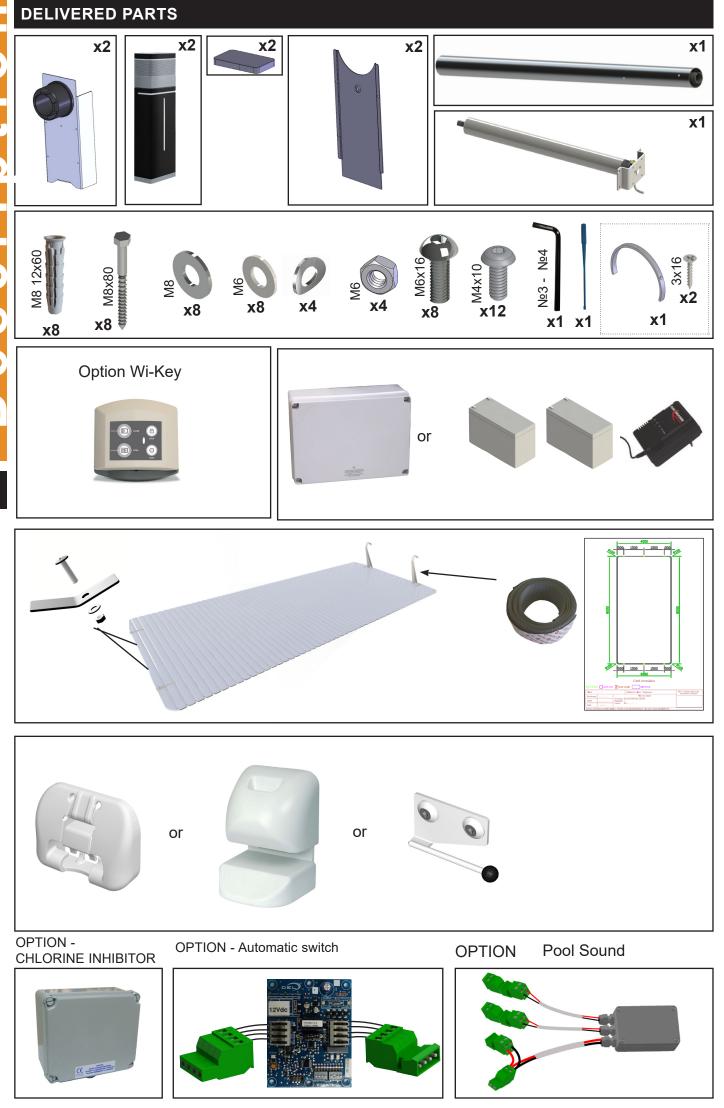
- The cover itself is made from unleaded PVC slats (this material conforms to anti-ageing requirements as defined in the NF T 54 405-1 Standard), they are watertight and hinged and will float on the surface of the water.

Printed circuit board with stops motion when an abnormal force on the cover is

- The gap between the side and the cover must be <= 70 mm.
- The cover is connected to the tube using white straps that are attached to the first slat of the cover.
- There are fixture straps at the start and end of the cover used to fix the cover to the fastening kit fixed to the side of the pool.

Fastening kits:

- 3 models: (a Push-lock / b Quick-lock / c Straplock) 3 fixture modes: (surface mount – insert mount – hanging mount)
- The fastening kits are positioned on each width of the pool.
- (the number varies depending on the pool configuration)
- These fastening systems are triggered by a tool or a double action.



TOOLS



ASSEMBLY INSTRUCTIONS

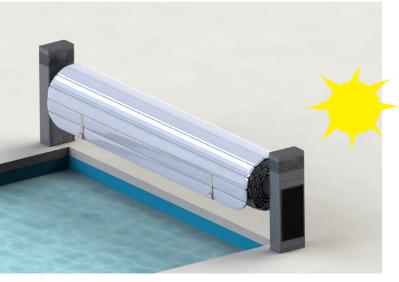


PACKING LIST

e.g. - for a 4 x 8 m pool 1 0.80 x 0.60 x 0.55 pallet ---- 40kg 1 4.30 x 0.20 m pack ---- 25 kg 4 5 x 0.25 x 0.20 m packs ----- 150 kg Total weight: 205 Kg

Instructions before installation

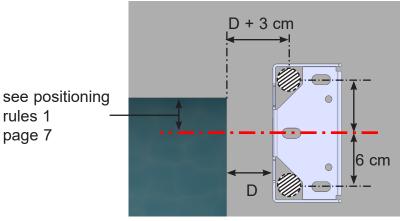
SOLAR version



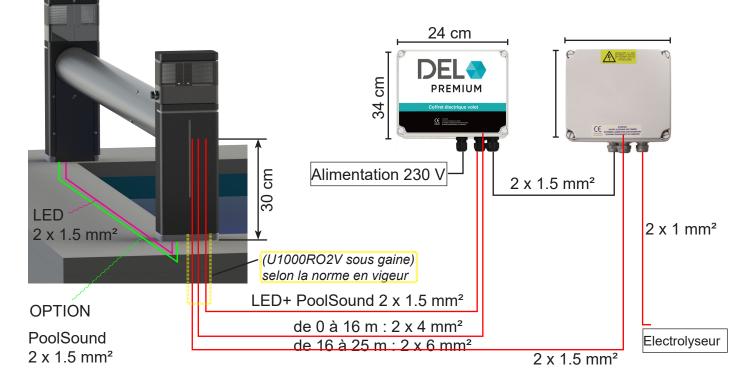
Place the solar panel on the sunniest side

ELECTRIC version

Remember to have a sheath fitted to connect the electric control box and the motor terminal.



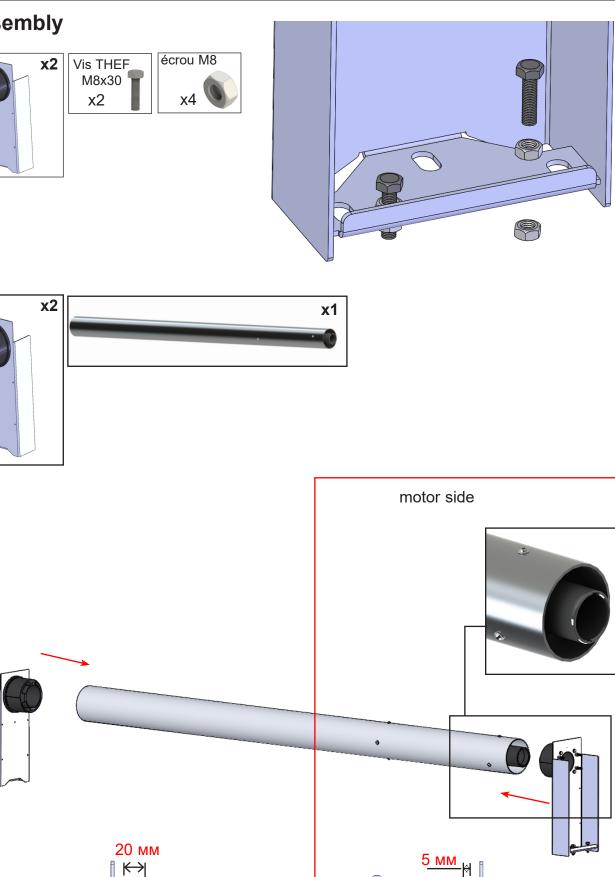
D = (measurement between the terminal - pool width) / 2



ASSEMBLY / POSITIONING / FIXTURE

| | | | |

Assembly



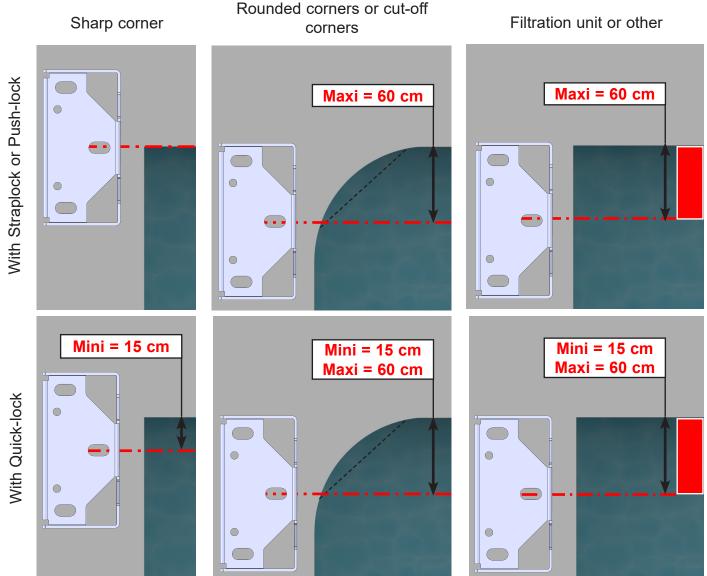
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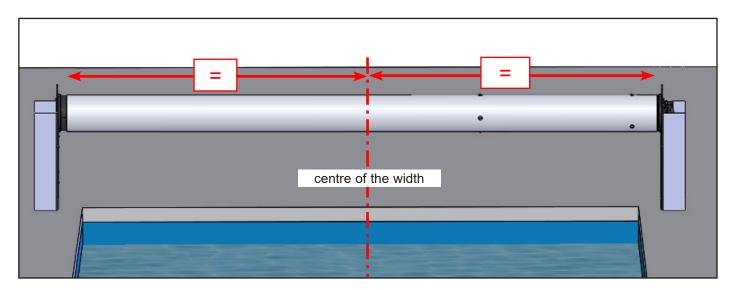
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Position 1

Depending on the pool corners and the fastener kits on the roller side



Position 2

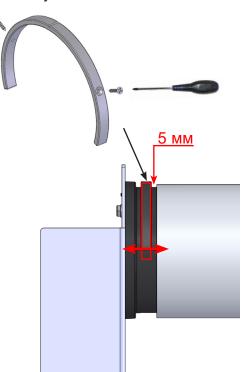


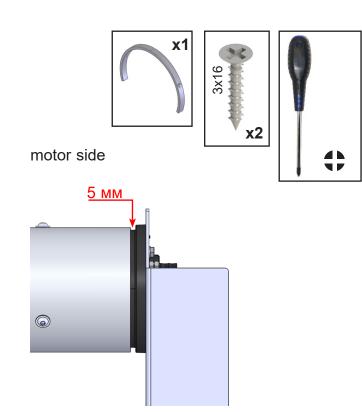
Levelling

S
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Fixture and adjustment

Fix the adjustment bar.

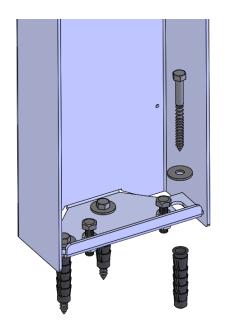




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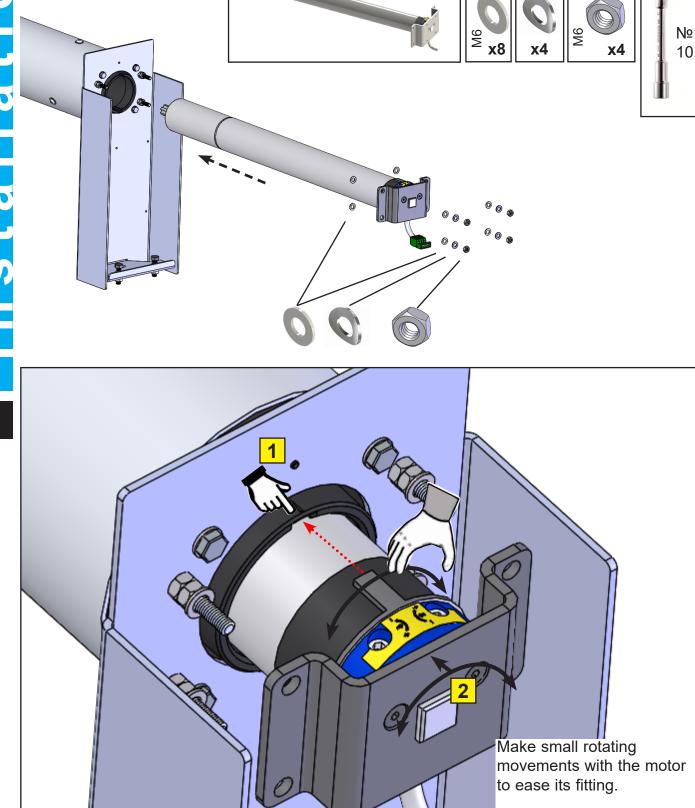
Before fixing, check that there is an operating gap of 5 mm on each side.

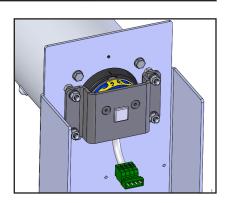




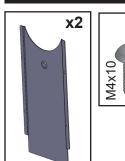
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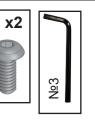
ASSEMBLING THE MOTOR

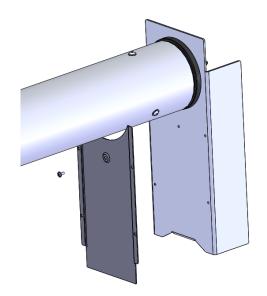


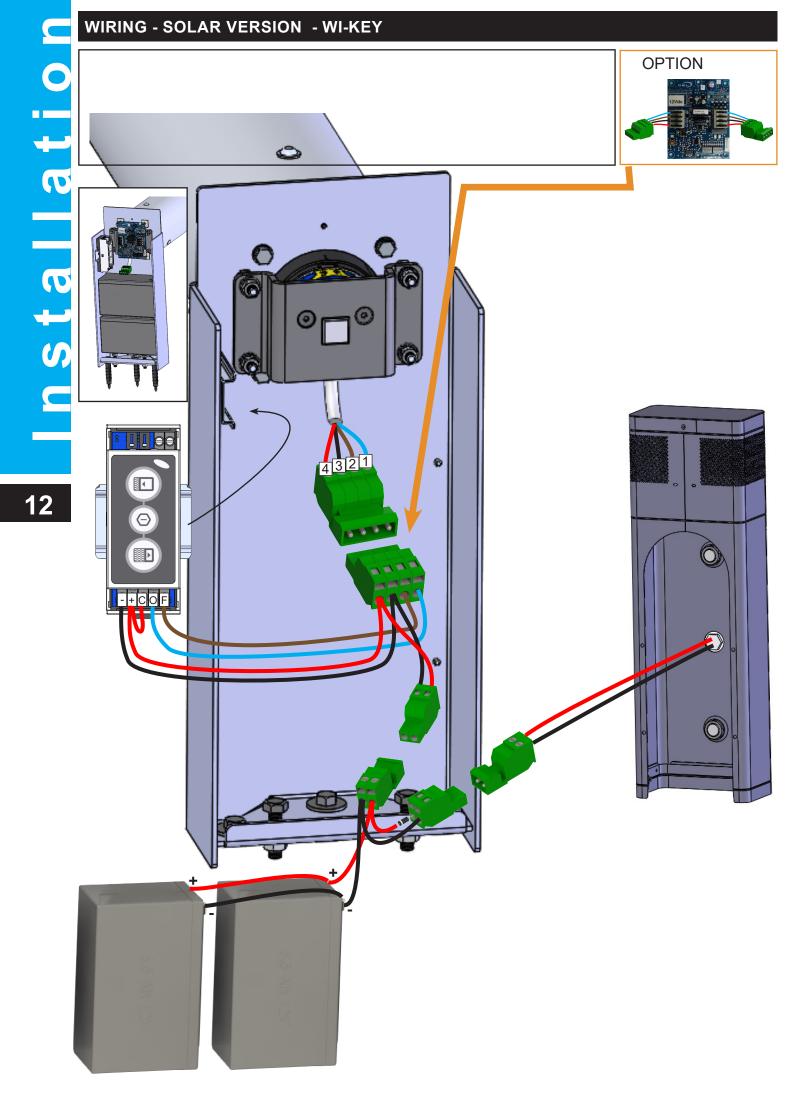


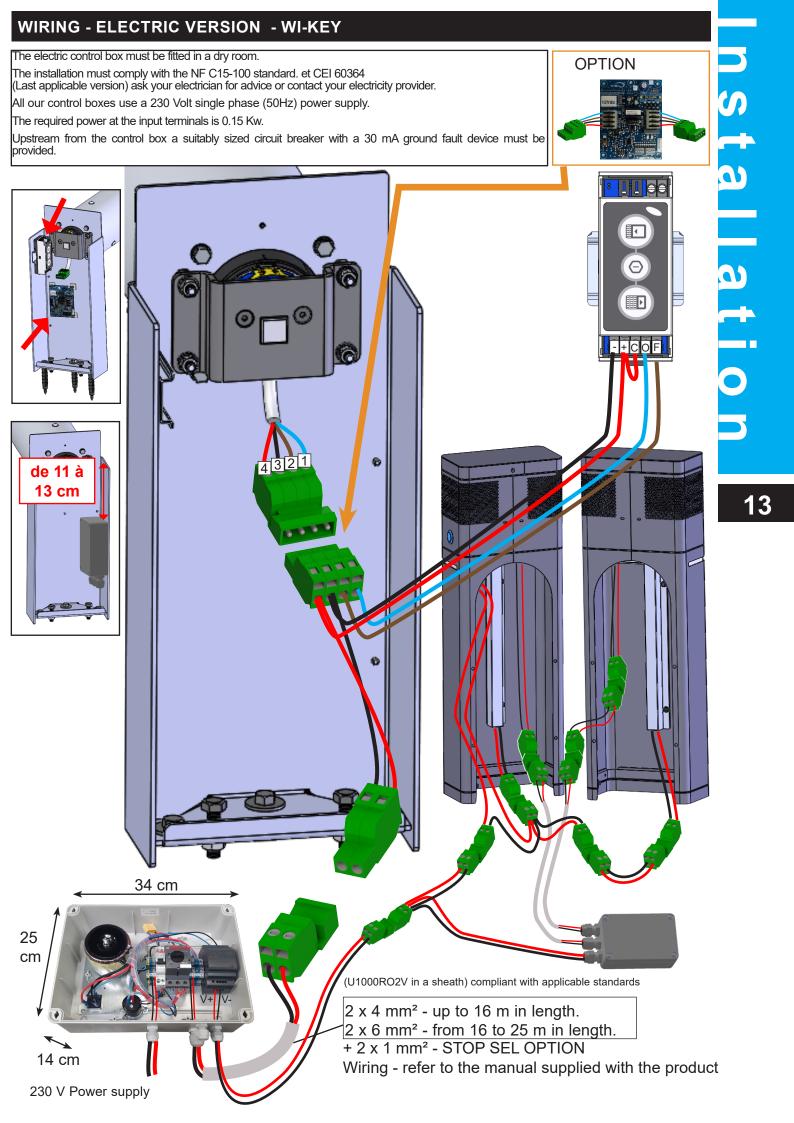
ASSEMBLING THE REAR GUARD

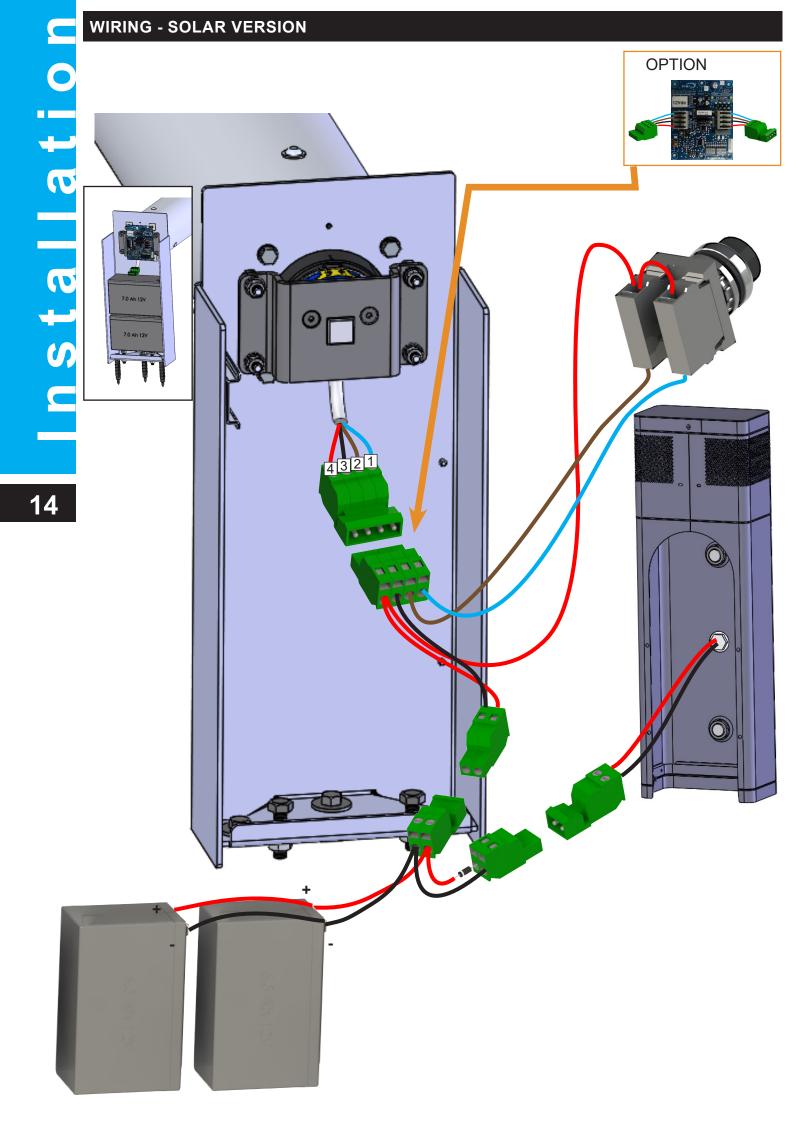


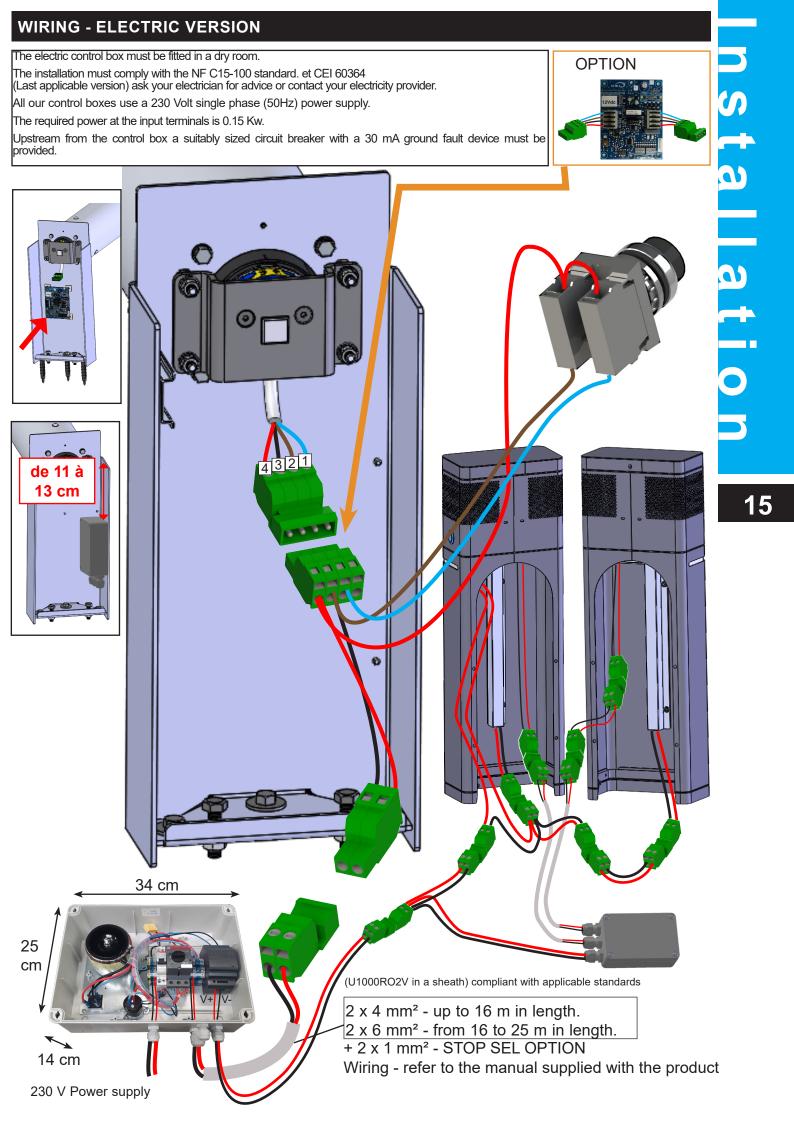












WI-KEY INSTALLING THE CONTROL BOX



red / green flashing = emitter locked Emitter unlocking procedure see «page 27»

The emitter must be located outside volume 0.

The distance between the emitter and the receiver must not exceed:

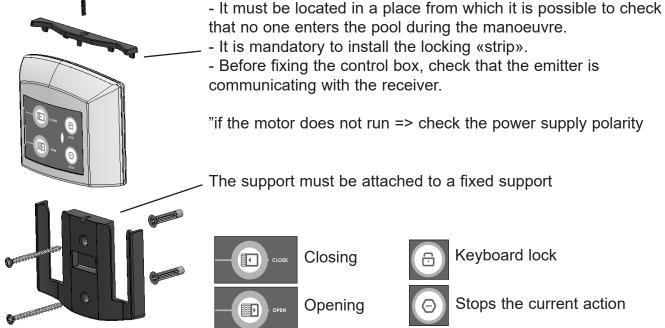
- 50 m in an obstacle-free zone.

- 25 m behind a basic wall.

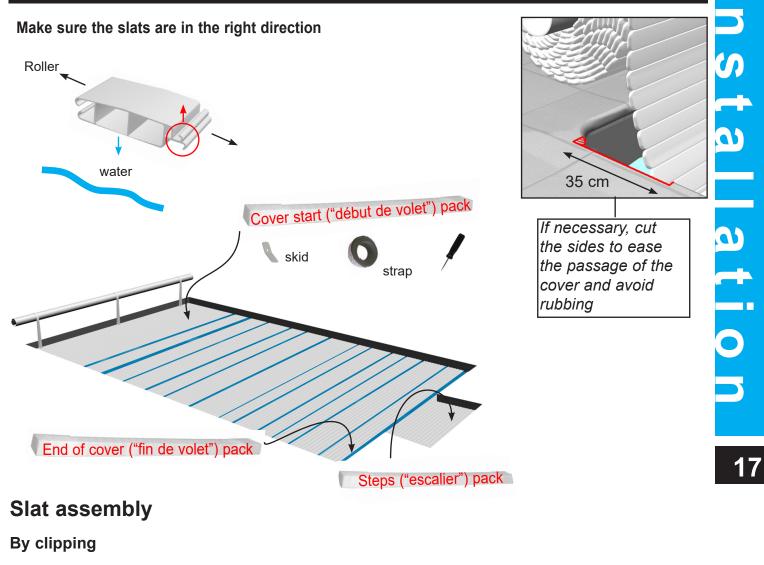
- 15 m behind several walls or an especially thick wall.

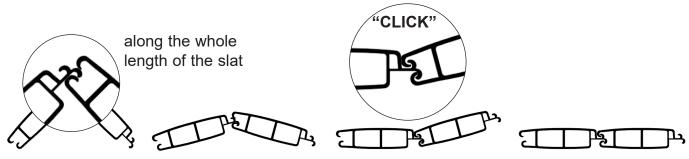
We recommend checking emitter/receiver communication before fixing permanently.

n s t a 16



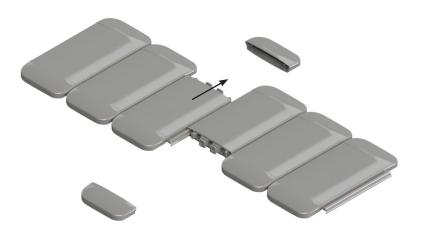
COVER INSTALLATION



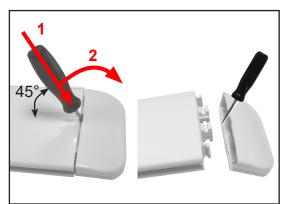


Repeat the movement until all the slats are completely clipped together

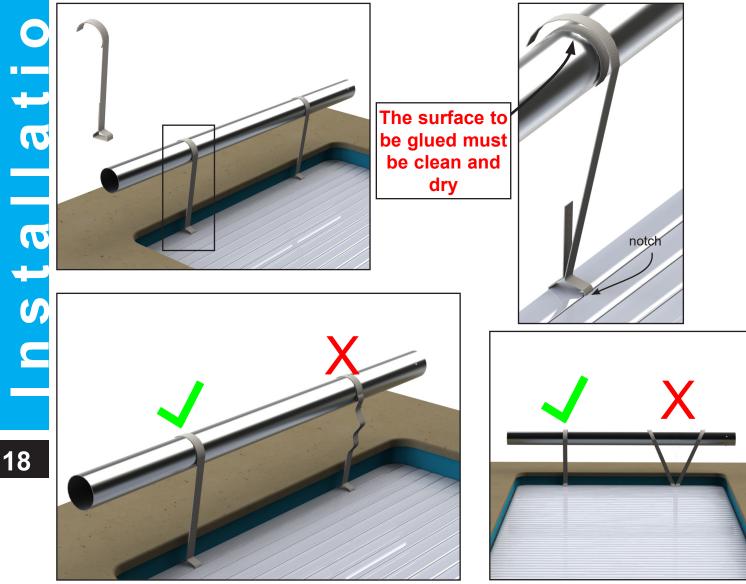
By sliding



remove the cap



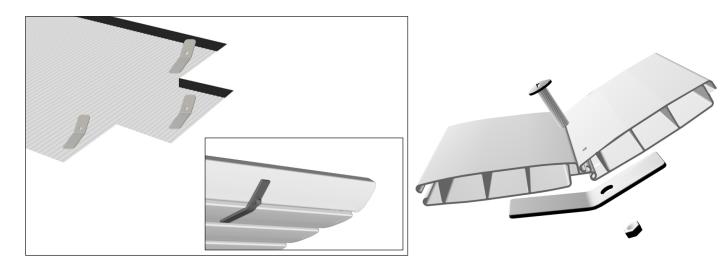
Assembly of the strap between the cover and the tube



skid assembly



The skids are used to orient the cover at the start of closure. The holes are drilled at the factory.



ADJUST THE AUTOMATIC STOPS

Checking the order logic







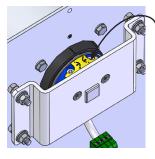
If the command logic is not correct, reverse wires 1 and 2 on the motor output. (see wiring diagram)







Adjustment







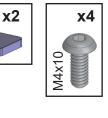
Turning in the +, direction will increase the extension of the cover

Turning in the -, direction will reduce the extension of the cover

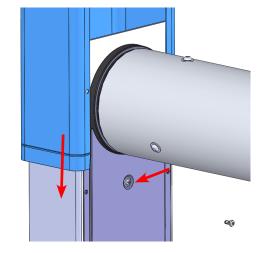
19

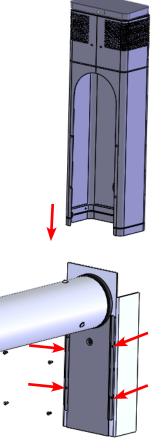
ASSEMBLY OF THE FRONT CASING







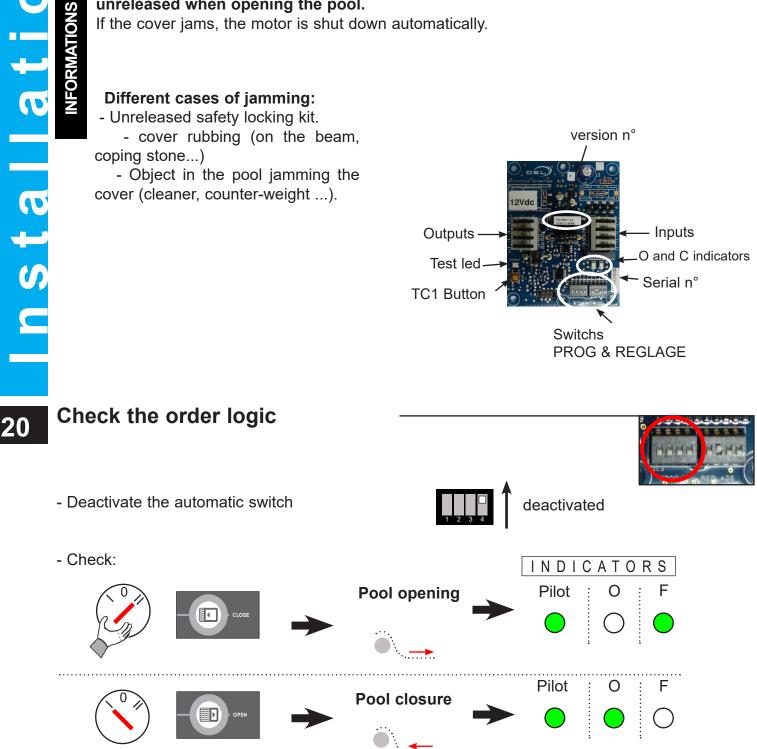




ADJUSTING THE AUTOMATIC SWITCH

The automatic switch protects the system in case locking kits are unreleased when opening the pool.

If the cover jams, the motor is shut down automatically.



If the command logic is not correct, check the installation wiring.

Setting control duration

L = pool length steps included

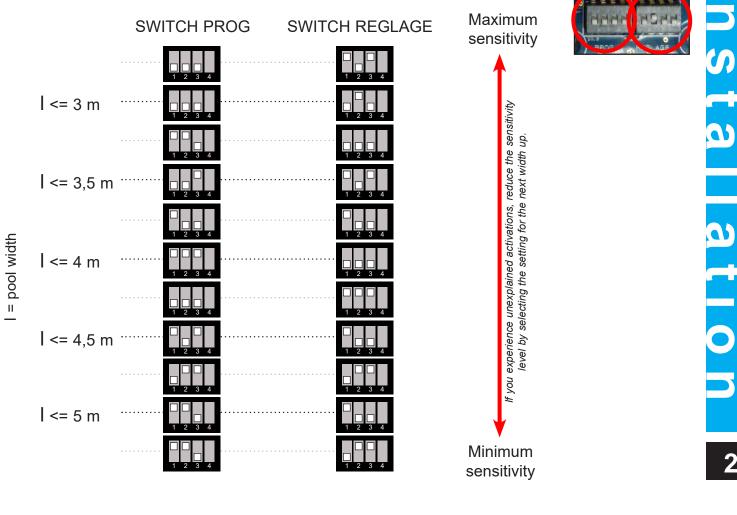




60 seconds

30 seconds

Adjusting the trigger sensitivity



Activating the automatic switch



activated serious damage to the motor, the control box, the slats and void the warranty.



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Test

A - Block the cover by hand or with the fixture kits and keep the pool in sight when opening the cover.

=> The motor is automatically stopped. (If necessary adjust the sensitivity of the switch activation)

If there are unplanned activations, reduce the sensitivity level by selecting the setting for the next bigger width.



Protected opening

To know

- The automatic cover stops during the pool opening:
- 1 Stop due to a real blocking: unlocking of locking kit oversight or other...
- Close during more of 3 seconds until release completely slats tension.. The
- next opening will stay protected by the system.
- Eliminate the blocking cause(s) and go again with the pool opening.
- 2 Untimely stop:
- Close during 1 to 3 seconds.
- he next opening won't stay protected by the system - Go again with pool opening.

- In case of untimely activations, decrease the sensitivity of the card.

- In case of too important effort before activations, increase the sensitivity of the card. "Sensibilité de déclenchement" parameter

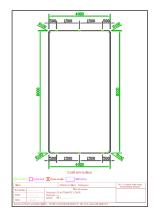
Yon R



of 3 sec

Closing

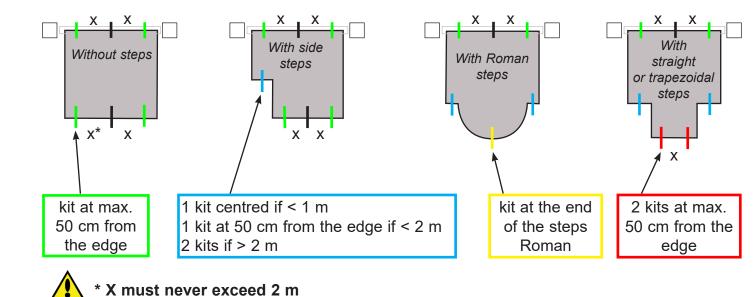
The position of the fastener kits on the cover is indicated on the drawings shipped with the slats.



All changes to the positioning of the kits must comply with the rules given below. For other cases please contact us.

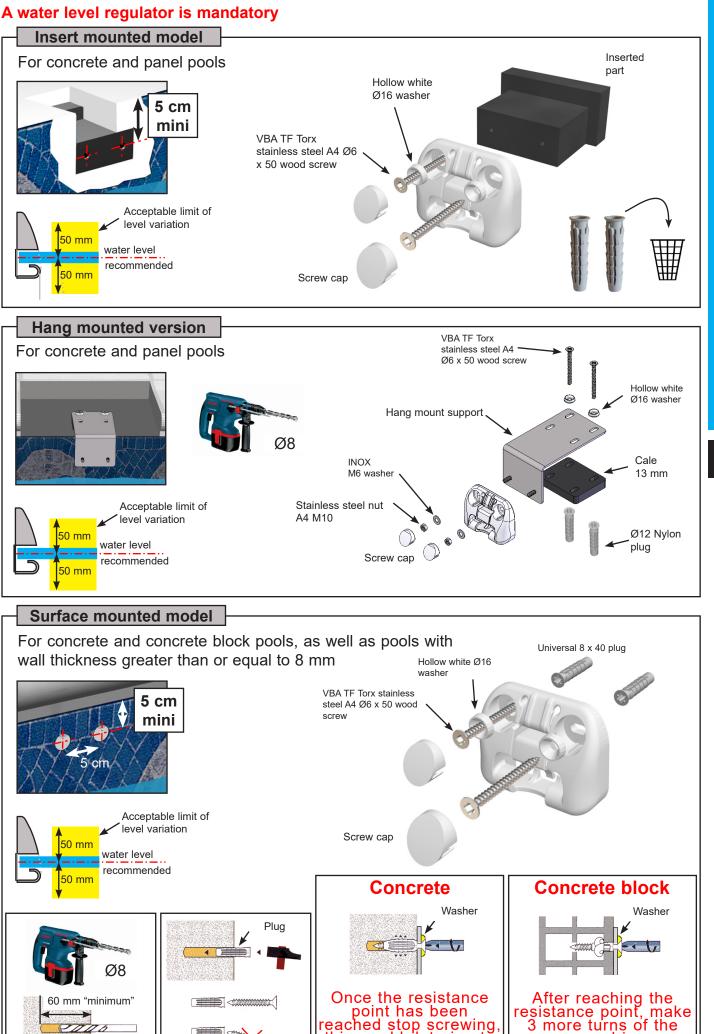
22 Positioning rules

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The Quick-lock fastener system cannot be used on cut off corners and curves, except at the end of Roman steps.

PUSH-LOCK INSTALLATION

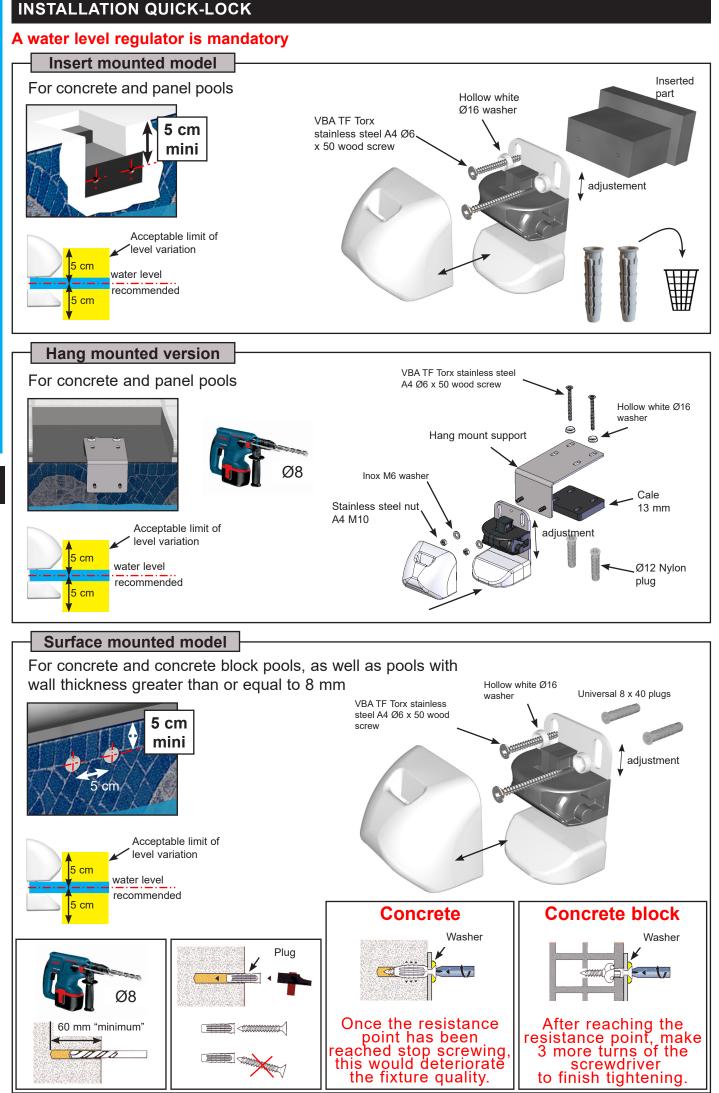


eached stop screwing this would deteriorate

the fixture quality.

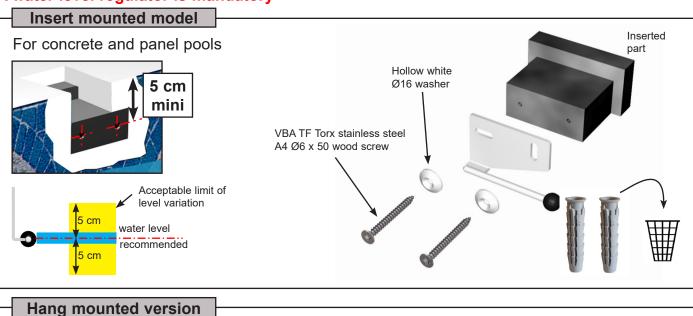
screwdriver to finish tightening.

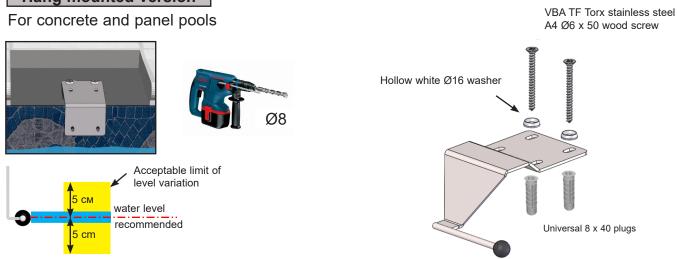
Installatio



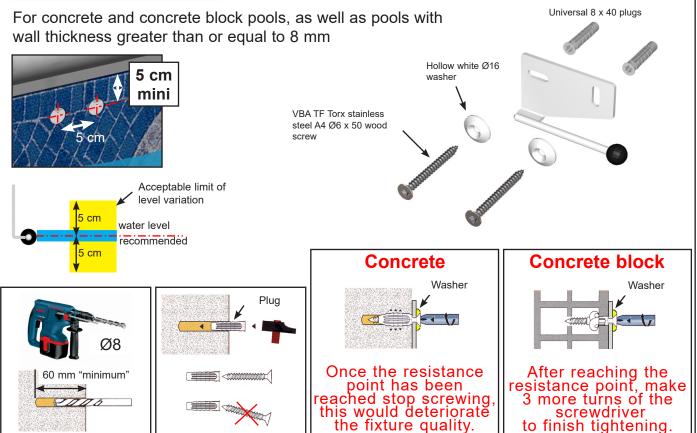
INSTALLATION PASSE-SANGLE

A water level regulator is mandatory

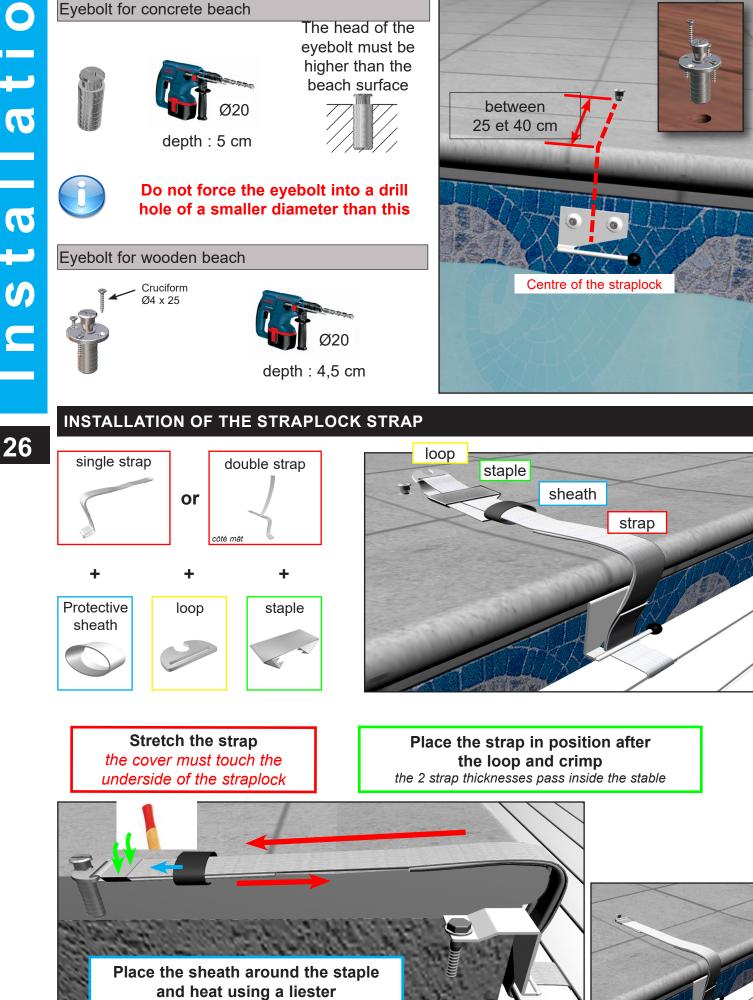




Surface mounted model



INSTALLATION OF THE STRAP-HOLDER ANCHOR EYEBOLT



thermostat 5 to 6 Be careful not to burn the strap WE WE POINT FOR

OPENING/ CLOSURE OF THE POOL

ALWAYS KEEP AN EYE ON THE POOL DURING OPENING OR CLOSING OPERATIONS. ALWAYS CHECK THAT THE POOL WATER LEVEL IS CONSTANT AND COMPLIANT WITH THE RECOMMENDATIONS ON THE INSTRUCTIONS

- It is imperative not to halt the cover in an intermediate position, this can cause the risk of jamming a bather's body under the cover casing, if a bather uses the pool.
- When using an automatic cleaner under the cover, check that the hose does not affect the movement of the slats when opening and closing the cover.
- It is essential to remove floating objects when opening and closing the cover.
- Do not block the cover while extending or retracting.
- Do not activate the automatic cover when it is iced in.
- The opening or closure operation requires about 2 minutes for one person and about 3 minutes to lock or unlock the attachment kits.

Opening: Always release the cover before starting the motor.

- Unlock all the fastening systems.
- Operate the open control.
- Stow the unlocking tools out of the reach of children.
- Lock the WI-Key command

Closure:

- Operate the close control
- Lock all the fastener systems.
- Stow the unlocking tools out of the reach of children.
- Lock the WI-Key command



Never place products that were not designed for the purpose on slat covers, as this may warp the slats. Never leave objects on the cover (towels, buoys, etc.) because, in direct sunlight, the slats would be locally expanded and the warranty would be void. (Solar polycarbonate slats are incompatible with bromine treatments and treatments containing bromine)

«Solar polycarbónate slats are incompatible with bromine treatments and treatments containing bromine. Do not put undiluted chemical products in direct contact with solar polycarbonate slats (e.g. algae protection products). It is essential to first carry out a test on a small surface area).»

IMPORTANT

When closing the pool, it is essential to KEEP THE CONTROL PRESSED FOR AT LEAST 3 SECONDS. This is required to guarantee automatic obstacle detection the next time the cover is opened.

Closure	Locking	LOCKING THE WI-KEY	
		• Press on for more than 3 seconds until the pilot flashes	
CLOSE CLOSE	Pilot		
		= system locked	
		UNLOCKING THE WI-KEY	
		• Press and keep it pressed.	
SIU		• At the same time: successively press	
		the following 3 keys: :	
Opening	Stop	• The pilot () remains on () = emitter unlocked	

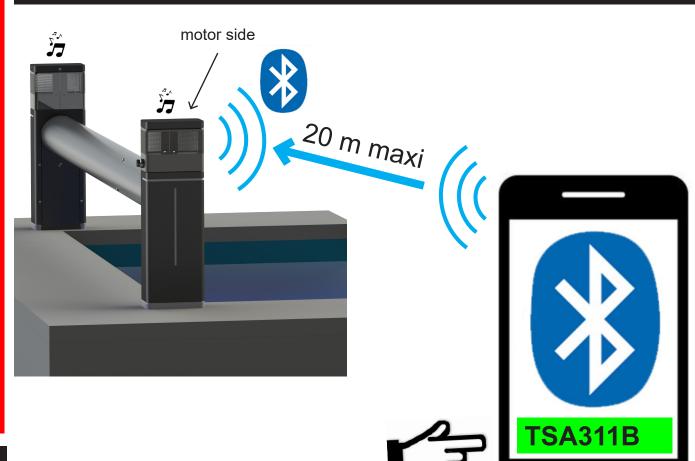
GHT INDICATORS

When you press a key, the light indicators below provide information on the Wi-key status (locked/unlocked), as well as the battery charge level.

•	Green LED	>	Wi-key unlocked
••	Red/green flashing LED	>	Wi-key locked
	Orange LED	>	Battery level low
•	Red LED	>	Change the batteries (2 x LR03)

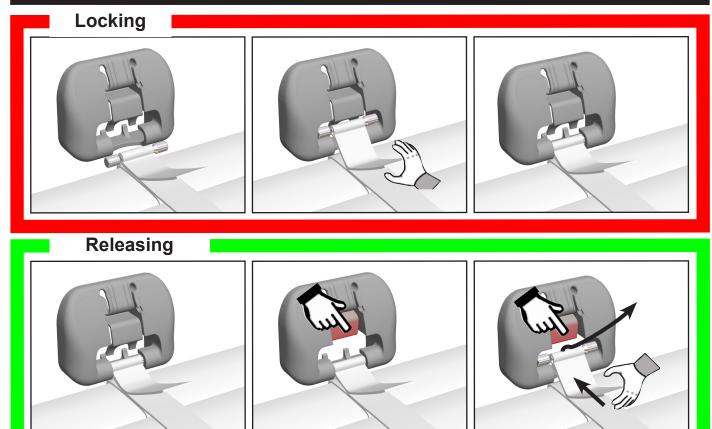
OPTION POOL SOUND





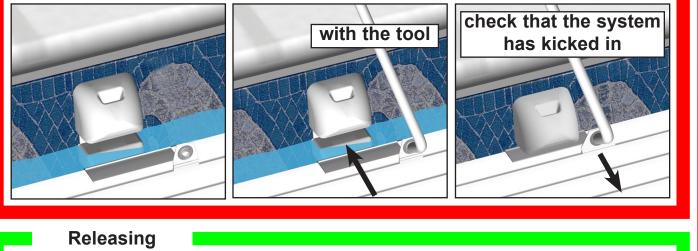
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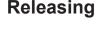
LOCKING AND RELEASING PUSH-LOCK

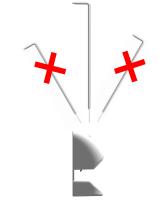


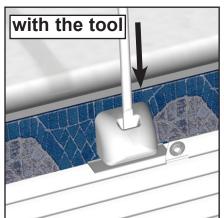
VERROUILLAGE ET DÉVERROUILLAGE QUICK-LOCK

Locking



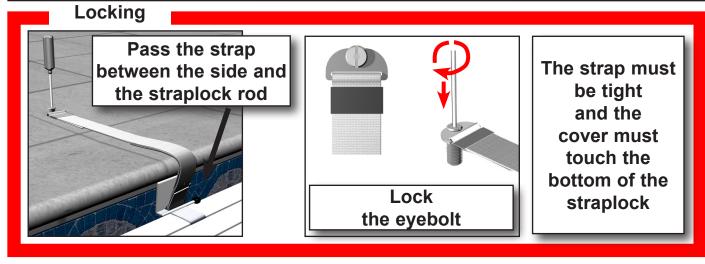




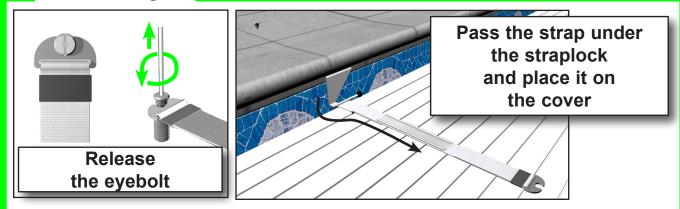




LOCKING AND RELEASING THE STRAPLOCK



Releasing



POOL WATER LEVEL

- To ensure optimum safety and the correct operation of the roller, always check that the level of the water in the pool remains constant and compliant with the manufacturer's recommendations.
 (For further comfort, use an overflow and a level regulator).
- When the level is too high it is caused by the overflow being blocked by leaves or other debris.
- If the water level is too low there is a risk of jamming.
- If there are gutters or hand rails, the pool must be equipped with a water level regulator.

FILTERING

- Programme filtering during sunlight periods and operate it permanently as soon at the water reaches 25°C.

CLEANING (USER'S RESPONSIBILITY)

- Clean your cover fully twice a year (start of season and wintering). This is even more important if you have hard water. To
 do this, use a high pressure cleaner with warm water and a descaling product (Décalcit super).
- Also take care to regularly clean the fastening systems and especially the eyebolt so that it never jams. We recommend lubricating the eyebolts every year for optimum operation.
- It is advisable to inspect the whole system, in the event of abnormal strain on the cover (eg. somebody falling)
- Check the straps annually
- To obtain the best performance from the solar panels, regularly clean them using a window cleaning product.

BATTERIES

AT THE FIRST SIGN OF WEAKNESS, RECHARGE THE BATTERIES. NEVER COMPLETELY RUN DOWN THE BATTERIES



Connect the batteries to the charger (*be careful of the polarity*). Plug in the charger. It will turn on automatically at the suitable voltage and the charging process starts. The red LED indicates charging. When charging is complete, the red LED turns off and the batteries are supplied using a maintenance charge. (see charger notice)

Warning: - Keep the charger in a dry place. Never recharge close to the pool, do this in a dry place.

WINTERING

- Winter the pool depending on its geographic location.
- Close the cover in the safety position.
- Leave the batteries connected inside the roller and do not cover the solar panel.
- We recommend you install the IVERNEA winter shield to protect the cover from UVs and dirt

MAINTENANCE

- All work must be carried out by a professional who will contact the manufacturer if necessary.
- All spare parts must be original or compliant with the standard.
- Inspect the whole cover for damage/wear and tear.
- At the beginning of each season and in the event of an accident (fall, hail on the cover, abnormal strain on the cover, etc.) check that the slats have no visible signs of deterioration that could prevent the safe operation of the cover (cracked, pierced or bent slats, etc.). Change the slats or the whole cover if necessary.
- In both summer and winter, do not cover the slats with an opaque cover. There is a risk of damage due to excess heat.
- Check the condition of the straps (seams) and especially wear on the anti-abrasion sheath. If the latter no longer fulfils its protective function from friction of the strap against the pool side, replace it.
- The «witness « flashes RED = change the control box battery

UNCOUPLING THE ROLLER

In the event of a motor or electric failure, you can remove the motor to close the pool manually.

- 1 Cut the electricity supply
- 2 Disconnect the motor
- 3 Remove the fixtures and remove the motor
- 4 Unroll the cover manually.
- 5 Place the fastener kits.

WI-KEY

Pairing -- delivered pre-paired

receiver Pilot Press «STOP» and, without releasing it, press «O» for more than 3 seconds F OK when the «pilot» flashes green. Θ STOP an emitter must be paired within the next 30 seconds. 0 2 emitter Press «STOP» and, without releasing it, press «O» for more than 3 seconds OK when the «pilot» flashes red / green. Pilot another emitter must be paired within the next \cap STOP 30 seconds.

Replacing the batteries







Be careful of the seal when re-assembling

	Receiver	Emitter
Manufacturer	DEL	DEL
Reference	Wikey receiver	Wikey emitter
Category	3 (EN 300220-1)	3 (EN 300220-1)
Pango	50m in an obstacle-free zone	50m in a free zone
Range	25m through a concrete wall	25m through a concrete wall
Power supply	12 to 48 VDC 30mA max	Two 1.5V AAA batteries
Protection index	< IP40	< IP54

DEAR CUSTOMERS,

THANK YOU FOR CHOOSING A DEL AUTOMATIC COVER.

PLEASE READ THE INSTRUCTIONS BELOW CAREFULLY.

POOLS CAN BE A SERIOUS DANGER FOR CHILDREN. DROWNING CAN HAPPEN QUICKLY.

SAFETY ADVICE

WHEN CHILDREN ARE AROUND THE POOL THIS REQUIRES YOUR CONSTANT VIGILANCE AND ACTIVE SUPERVI-SION, EVEN IF THEY CAN SWIM.

THE PHYSICAL PRESENCE OF A RESPONSIBLE ADULT IS ESSENTIAL WHEN THE POOL IS OPEN.

LEARN LIFE SAVING TECHNIQUES.

REMEMBER AND POST THE EMERGENCY SERVICE NUMBERS CLOSE TO THE SWIMMING POOL.

- FIRE BRIGADE: 18 (IN FRANCE) OR 112 FROM A CELL PHONE

- AMBULANCE : 15 (IN FRANCE)

- POISON CENTRE:

•THIS COVER IS NOT A SUBSTITUTE FOR COMMON SENSE NOR FOR PERSONAL LIABILITY. THE PURPOSE OF THIS COVER IS NOT TO REPLACE THE VIGILANCE OF PARENTS AND/OR RESPONSIBLE ADULTS WHICH REMAIN THE ESSENTIAL FACTORS FOR THE SAFETY OF YOUNG CHILDREN.

•BE AWARE THAT SAFETY IS ONLY ACHIEVED BY A CLOSED COVER THAT IS LOCKED AND CORRECTLY INSTAL-LED IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

•COMPLY WITH THE WATER HEIGHTS DEFINED BY THE MANUFACTURER.

•THE COVER MUST SYSTEMATICALLY BE CLOSED DURING ALL ABSENCES FROM HOME, HOWEVER SHORT.

Make sure there are no bathers or foreign bodies in the pool before and during closing.

 \cdot Place the tools required to open the cover out of the reach of children (the key for example)

•THE OPENING ACTION OF THE MECHANISM SHOULD ONLY BE UNDERTAKEN BY A RESPONSIBLE ADULT.

IT IS FORBIDDEN TO CLIMB ON, WALK OR JUMP ON A SAFETY COVER.

IF A MALFUNCTION THAT PREVENTS THE CLOSURE AND SECURING OF THE POOL IS DISCOVERED, OR IF THE EQUIPMENT OR POOL ARE TEMPORARILY UNAVAILABLE, TAKE ALL NECESSARY MEASURES TO PREVENT YOUNG CHILDREN FROM ACCESSING THE POOL UNTIL THE COVER IS COMPLETELY REPAIRED.

•A CHILD CAN DROWN IN UNDER 3 MINUTES, NO TYPES OF PROTECTIVE MEASURE CAN REPLACE SUPERVISION AND VIGILANCE BY A RESPONSIBLE ADULT.



SWIMMING POOL BUILDER

ZA La basse croix rouge 35530 Brécé - tel : + 33 (0)9 70 72 5000