

EN

NOTICE TECHNIQUE

INSTALLATION/USE/SERVICING/MAINTENANCE/SAFETY ADVICE



DEL 

AUTOMATIC SAFETY COVER

ROLLOVER

CONTENTS

PLEASE READ THESE INSTRUCTIONS CAREFULLY AND KEEP THEM FOR FUTURE REFERENCE

Please read this manual carefully to help you understand all of the information and to ensure safe installation, use and servicing. We cannot be held liable for any damage arising due to a failure to respect the instructions set out in this manual.

DESCRIPTION.....	p. 4-5
Components provided	p. 4
Tools required for Mounting.....	p. 5
Packing list	p. 5
information/space required	p. 5
INFORMATION.....	p. 6
So that the Above-ground cover complies with standard nf p 90-308	p. 6
INSTALLATION.....	p. 7-21
Positioning without fastening.....	p. 7
Checking water level.....	p. 8
DisMounting of removeable slats	p. 8
Fastening.....	p. 9
ReMounting of removeable slats	p. 9
Settings.....	p. 9
Wiring for solar-powered version with Wi-Key	p. 10
Wiring for Aqua9 Control box with Wi-Key.....	p. 11
Wiring for solar-powered version with key switch.	p. 12
Wiring for Aqua9 Control box with key switch.....	p. 13
Wi-Key	p. 14-17

CONTENTS

Settings.....	p. 17-21
SERVICING/MAINTENANCE.....	p. 22-24
Pool water level.....	p. 22
Water filtration and treatment	p. 22
Servicing (customer's responsibility)	p. 22
Battery	p. 23
Wintering.....	p. 23
Maintenance	p. 23-24
SAFETY ADVICE AND STANDARDS	p. 25-26
RECYCLING	p. 27

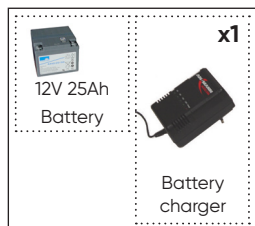
DESCRIPTION

COMPONENTS PROVIDED

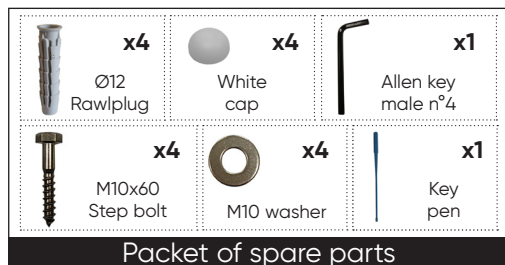
ROLLOVER

Electrical version
the packet of spare parts can be found
in the housing on the motor side

Solar-powered version
the batteries, the battery charger and
the packet of spare parts can be found
in the housing on the motor side



or



DESCRIPTION

TOOLS REQUIRED FOR MOUNTING



PACKING LIST

example – for a 5x10m pool with Ø3m stairs
Roll-Over PVC: 1 parcel 0.80 x 0.80 x 5.65m --- 165kg
Roll-Over IPE: 1 parcel 0.80 x 0.80 x 5.65m --- 330kg

Slats: 5 parcels 5 x 0.25 x 0.20m – 250kg

MOUNTING



2 people



3 hours

INFORMATION / SPACE REQUIRED

- The motor is located in the tube and can be accessed from inside the end-stand..
- Power is supplied either:
Electrical version: via an Control box located in a machine room.
Solar-powered version: by 2 batteries These are recharged by the photovoltaic panels.



- Programming the limit switches is carried out directly on the motor.
- An Automatic switch (torque limiter) protects the system from any failure to unlock the fastening kits
- The slats is made of articulated waterproof slats that float on the surface of the water.

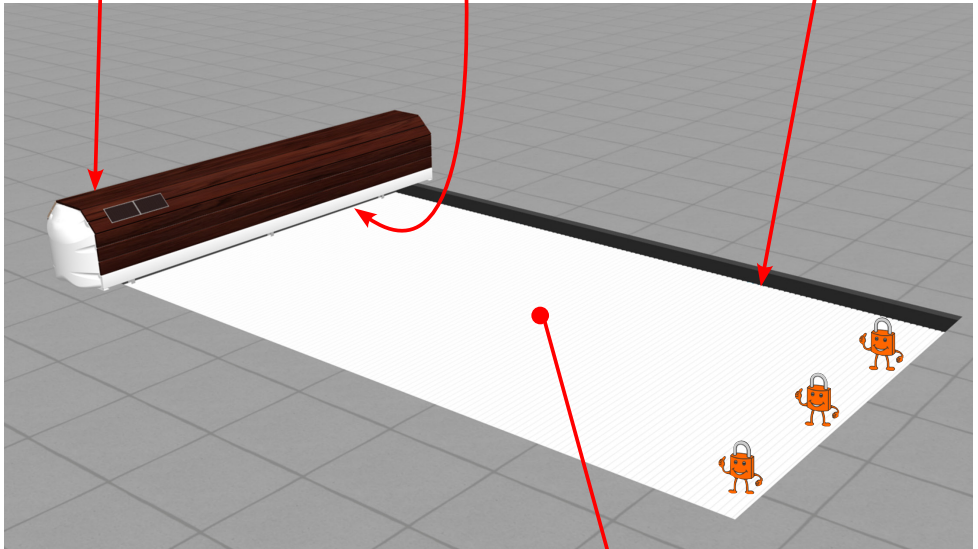
INFORMATION

SO THAT THE ABOVE-GROUND COVER COMPLIES WITH STANDARD NF P 90-308

Motor complies with electrical standards

15cm max between the water and the bottom of the Roll-Over

Maximum gap of 70mm between the wall and the cover



Fastening system operated using a tool or via a double action



contact maintained during pool closing, while also maintaining visual contact with the pool

Slats
(material complies with the requirement regarding ageing resistance set out in standard NF T 54 405-1)



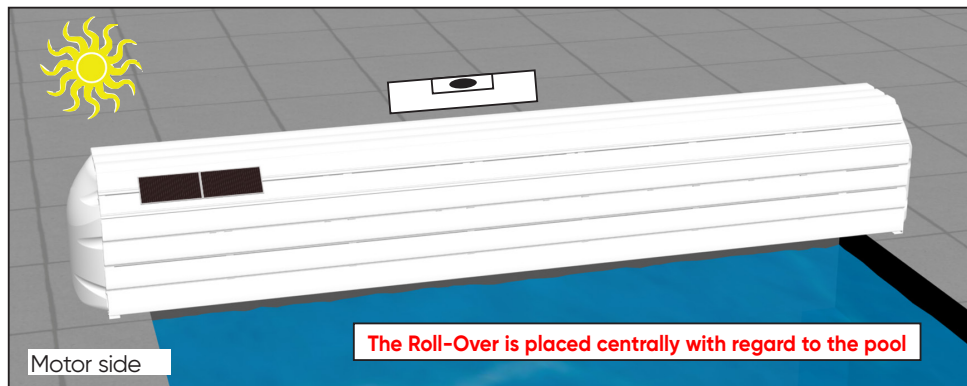
- On infinity pools, DEL covers cannot be compatible unless the pool is equipped with a Vitalia INFINITY kit to automatically lower the water level by at least 2cm when the pool cover is closed.
- Currently, DEL covers including a removable slats for step unit on the length to go over a ladder do not comply with standard NF P90-308
- Unless the alarm manufacturer indicates otherwise, immersion alarms are not compatible with DEL covers.

INSTALLATION

PUT INTO POSITION WITHOUT FASTENING

▶ PLACE THE ROLLER

Solar-powered version: It is best for the sensors to be pointing towards the side that receives the most sunlight



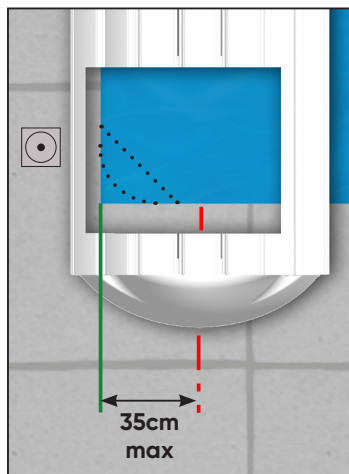
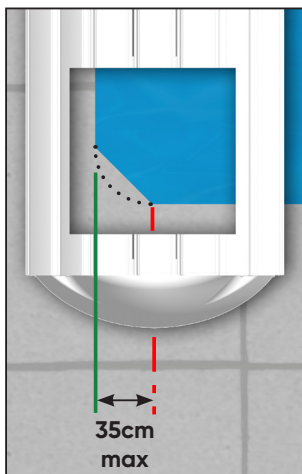
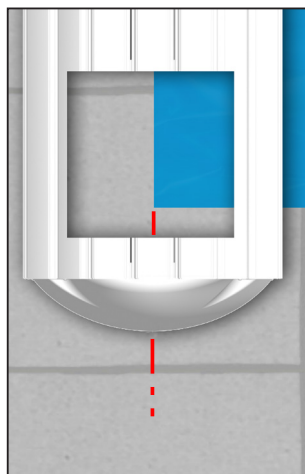
▶ ADJUST THE POSITION DEPENDING ON THE CORNER ANGLES OF THE POOL

• Sharp corners

• Shelves
• Cut-off corners

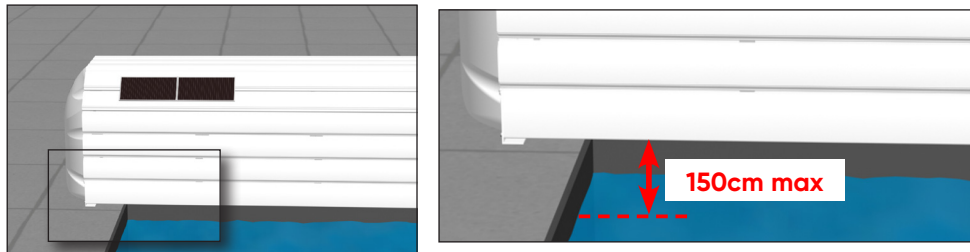


Allows you to access the skimmers

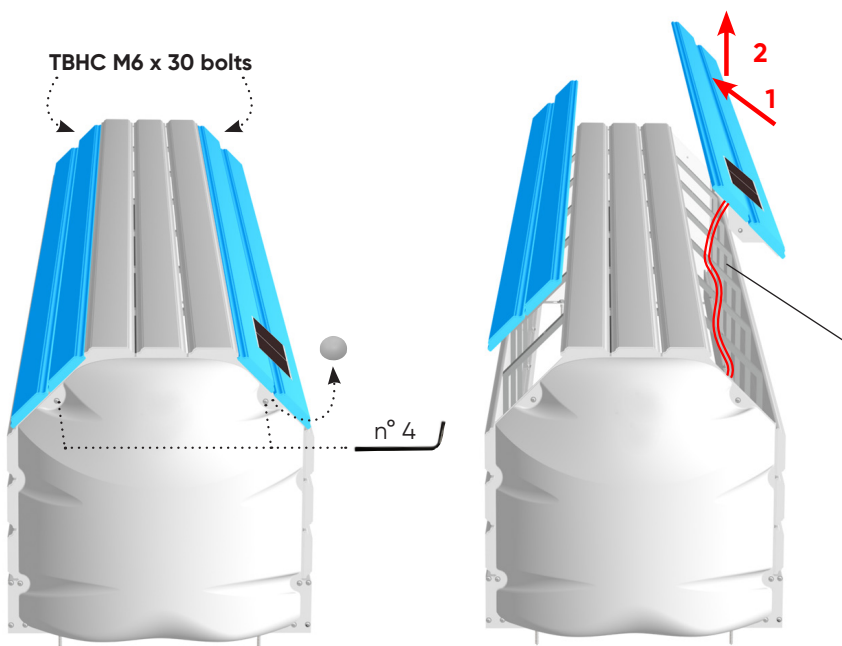


INSTALLATION

CHECKING WATER LEVEL



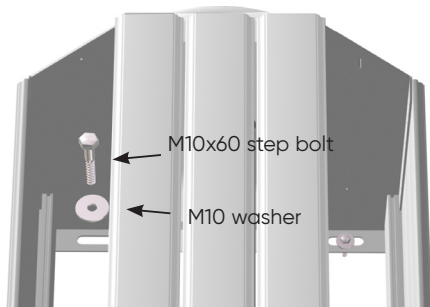
DISMOUNTING OF REMOVEABLE SLATS



**Solar-powered version:
Unplug the sensors in the housing**

INSTALLATION

FASTENING

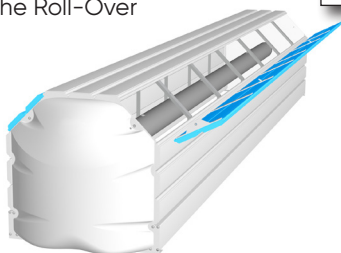


Ø12 Rawlplug

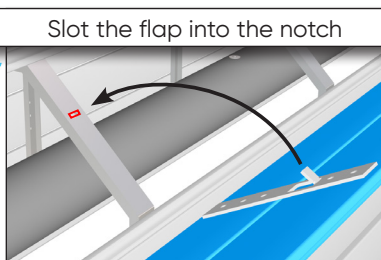


REMOVING OF REMOVEABLE SLATS

Place the slat in front of the Roll-Over



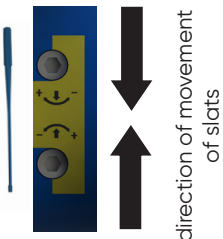
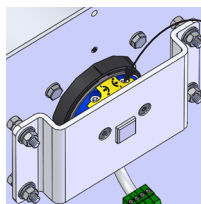
Slot the flap into the notch



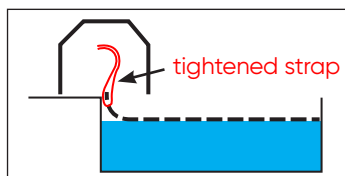
TBHC M6 x 30 bolts
+washer
+cap



SETTINGS

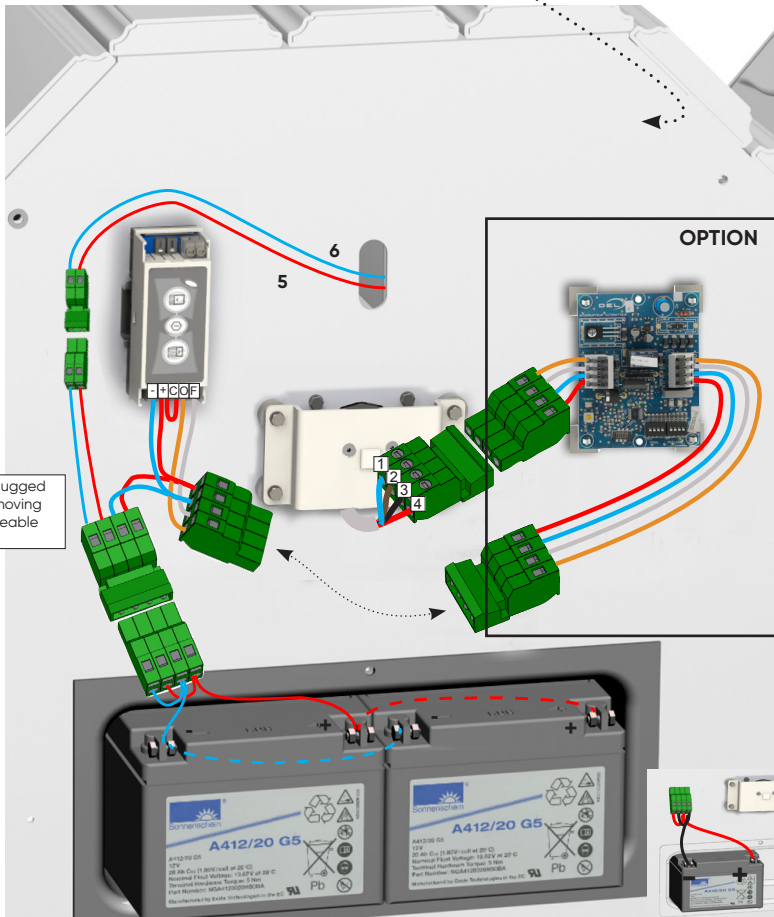
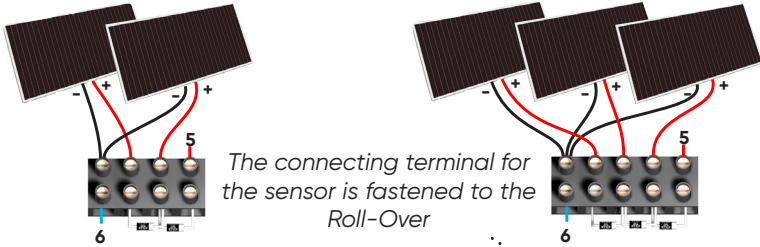


By turning in the + direction, you will increase the range of movement of the cover..
By turning in the - direction, you will decrease the range of movement of the cover.



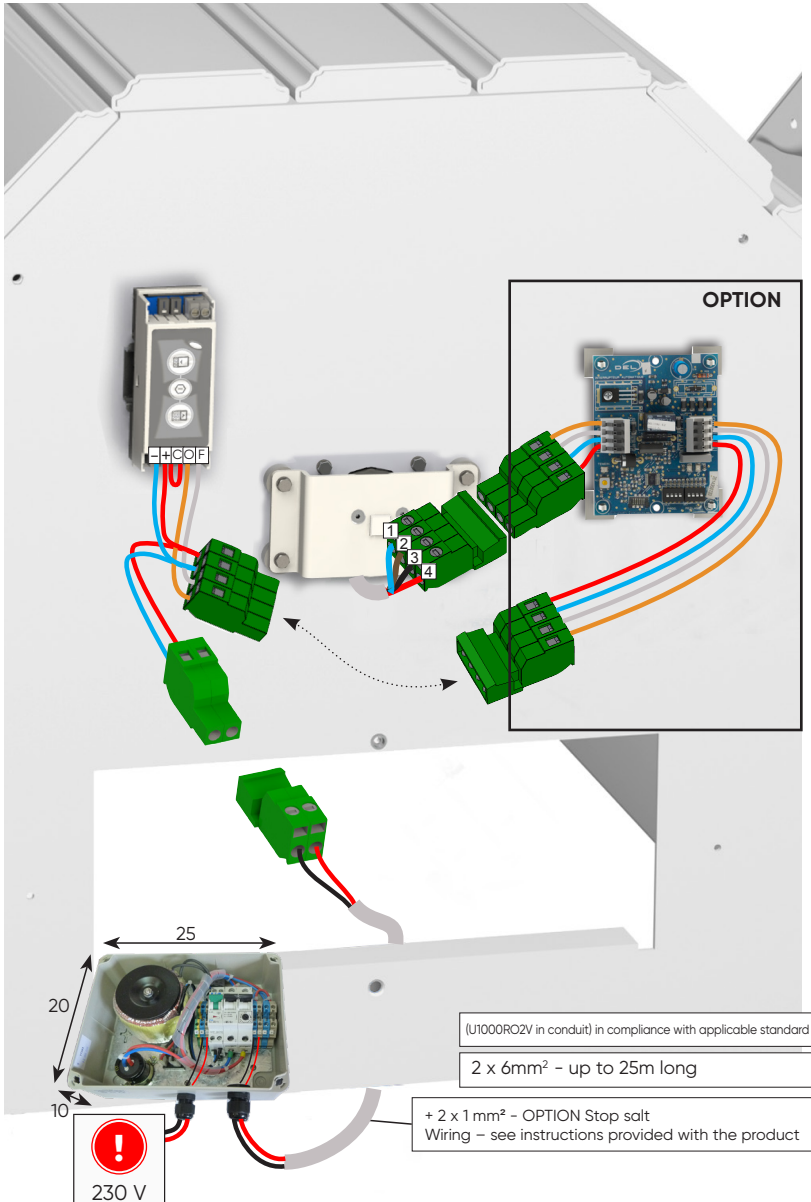
INSTALLATION

WIRING FOR SOLAR-POWERED VERSION WITH WI-KEY



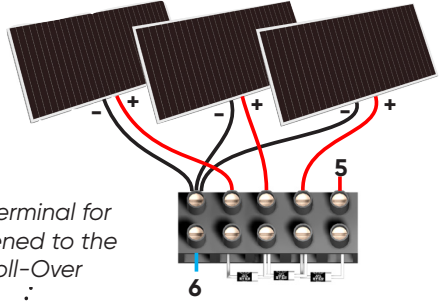
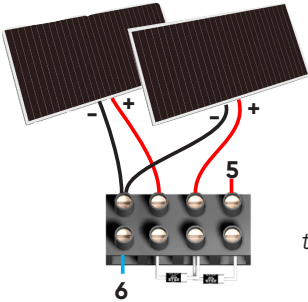
INSTALLATION

WIRING FOR AQUA9 CONTROL BOX WITH WI-KEY

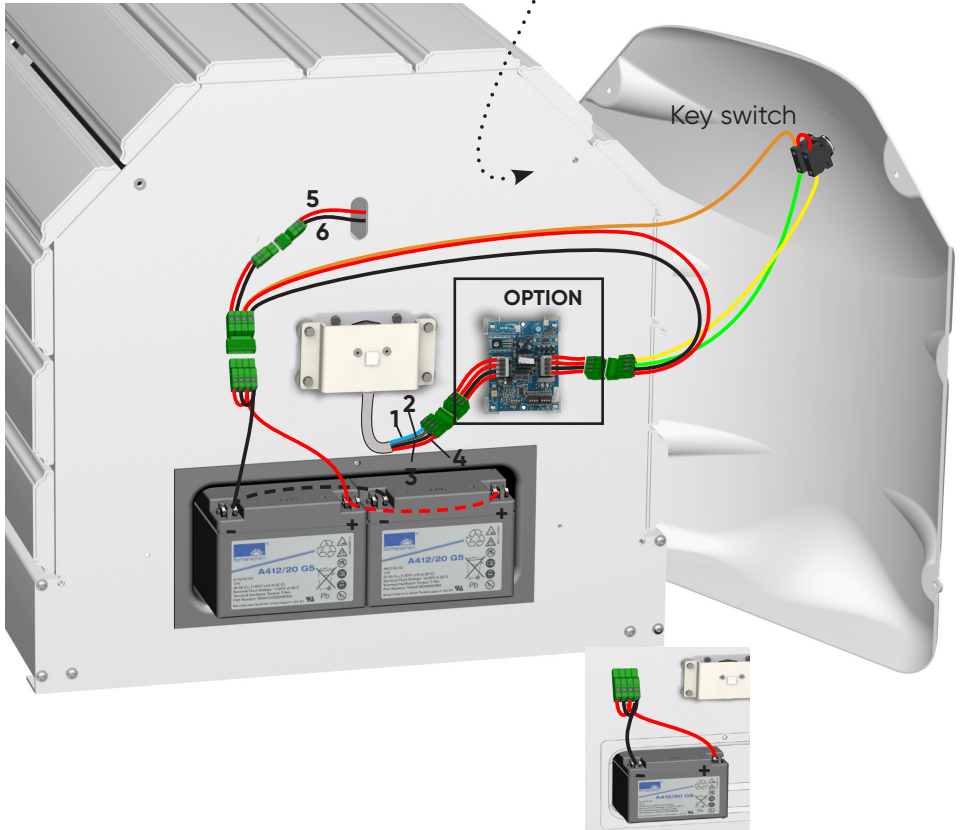


INSTALLATION

WIRING FOR SOLAR-POWERED VERSION WITH KEY SWITCH.

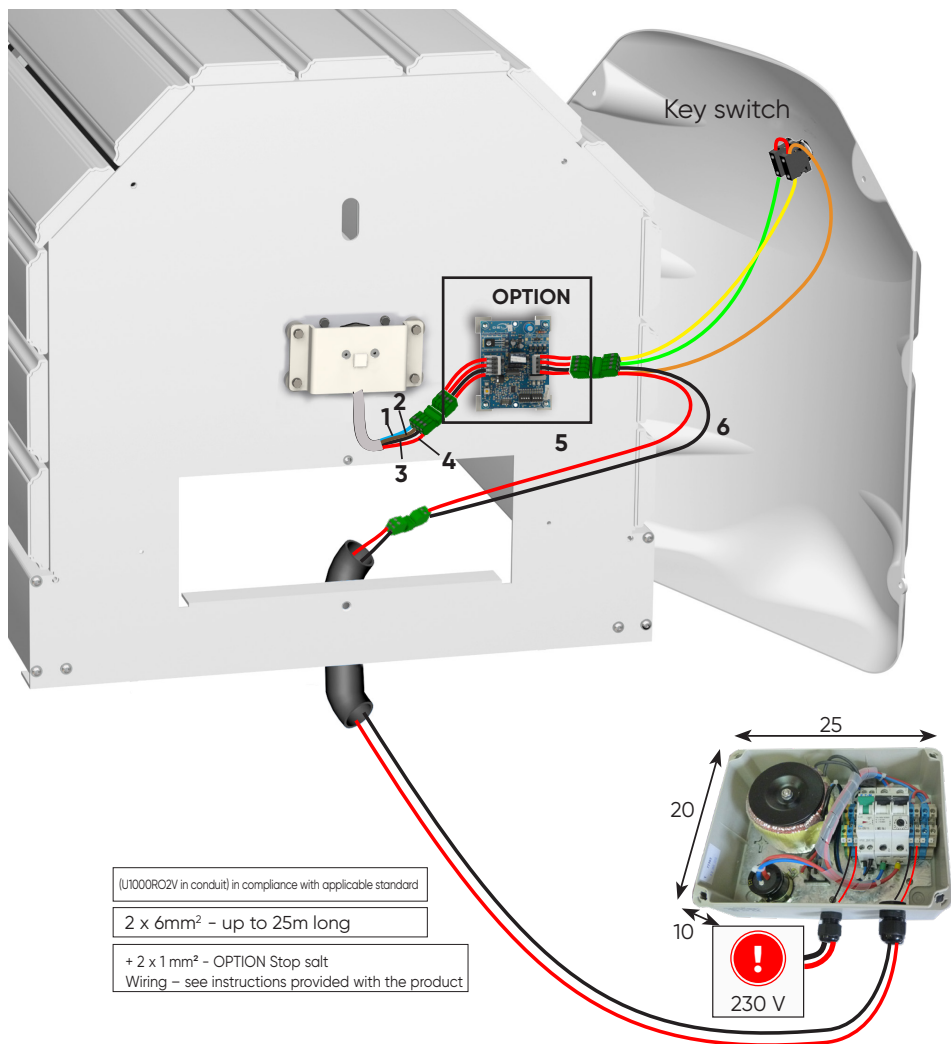


The connecting terminal for the sensor is fastened to the inside of the Roll-Over



INSTALLATION

WIRING FOR AQUA9 CONTROL BOX WITH KEY SWITCH





INSTALLATION

WI-KEY



Flashing green/red = transmitter locked
See transmitter unlocking procedure page 16.

	 Receiver	 Transmitter
Manufacturer	DEL	DEL
Reference	Wi-Key receiver	Wi-Key transmitter
Category	3 (NF EN 300220-1)	3 (NF EN 300220-1)
Range	50m open field range	50m open field range
	25m through a concrete wall	25m through a concrete wall
Power supply	12 to 48Vcc 30mA max	2 1.5V AAA batteries
Protection rating	IP40	IP54

The transmitter must be set outside of the volume 0 position.
(volume 0 is the part that is underwater, even if immersion is temporary).

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

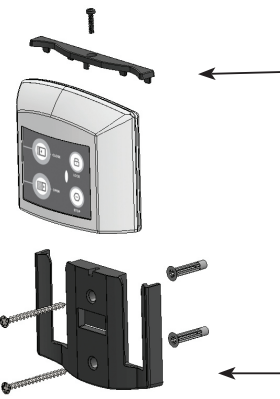
- 50 m open field range.
- 25 m behind a single wall.
- 15 m behind several walls or a particularly thick wall.

Frequency bands used by the transmitter-receiver: 868MHz to 868.6MHz

Maximum power of the radiofrequency: 10mW

We advise you to check the transmitter-receiver connection prior to fastening the elements into place.

INSTALLATION



- It must be located in a place that allows the user to check that no-one is in the pool during the operation.
- The "locking bar" has to be installed and bolted into place.
- Before fixing the emitter to the wall, ensure that the transmitter is communicating with the receiver.

← The support must be fastened on to a wall.



Close



Open



Lock keypad

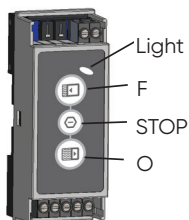


Stop current operation

▶ PAIRING A NEW TRANSMITTER

Receiver

1



Light indicator

F

STOP

O

Press "STOP" and hold the button down, then press "O" for more than 3 seconds OK when the "Light indicator" flashes green.

Pairing of a new transmitter must be carried out within the following 30 seconds.

Transmitter

2



F

Light indicator

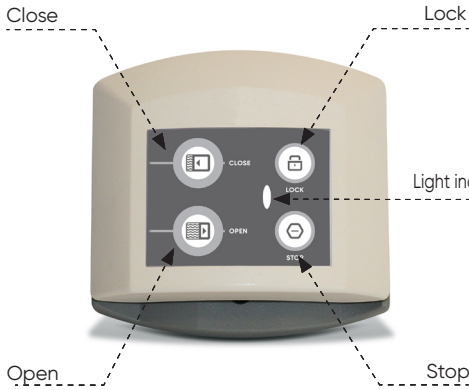
O

STOP




Press "STOP" and hold the button down, then press "O" for more than 3 seconds OK when the Light indicator flashes red/green.

Pairing of a new transmitter must be carried out within the following 30 seconds.







INSTALLATION



▶ LOCK WI-KEY

- Press  for more than 3 seconds until the  Light indicator flashes  = system locked

▶ UNLOCK WI-KEY

- Press  and hold
- At the same time: press successively on the following three buttons:
  
- The  Light indicator remains lit  = transmitter unlocked

▶ LIGHT INDICATORS

When you press a button, the Light indicators below will inform you of the status (locked/unlocked) of the WI-Key, as well as the charge level of the batteries.

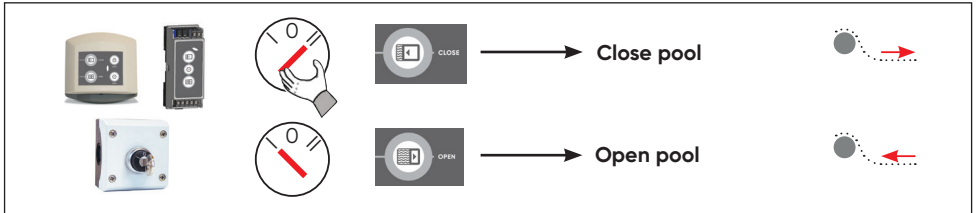
	Green LED	----->	Wi-Key unlocked
	Flashing green/red LED	----->	Wi-Key locked
	Orange LED	----->	Battery level low
	Red LED	----->	Change batteries (2 x LR03)

INSTALLATION

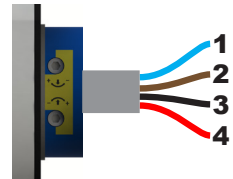
- ❗ Any person carrying out work on the electrical parts must be qualified and wear PPE (personal protective equipment): gloves, goggles, mat, etc.
- ❗ **Warning:** use of the pool cover control buttons present in the housing (Wi-Key receiver) must only be carried out by a person who is absolutely certain that there is no risk and that no-one will enter the pool during the operation.

SETTINGS

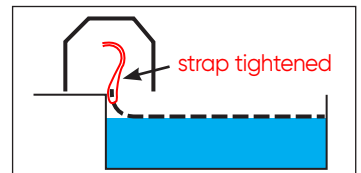
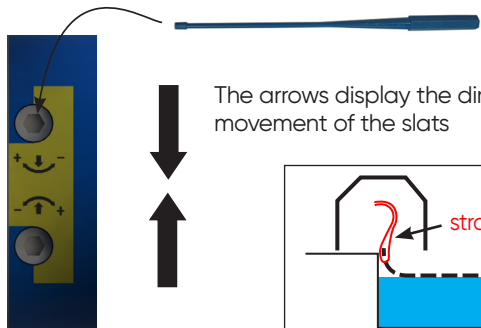
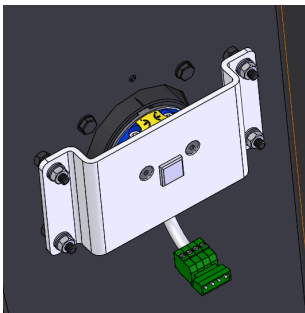
CHECK



If the control logic is not respected, check the wiring of the installation.



PROGRAMMING THE LIMIT SWITCHES



By turning in the + direction, you will increase the range of movement of the cover.
By turning in the - direction, you will decrease the range of movement of the cover.

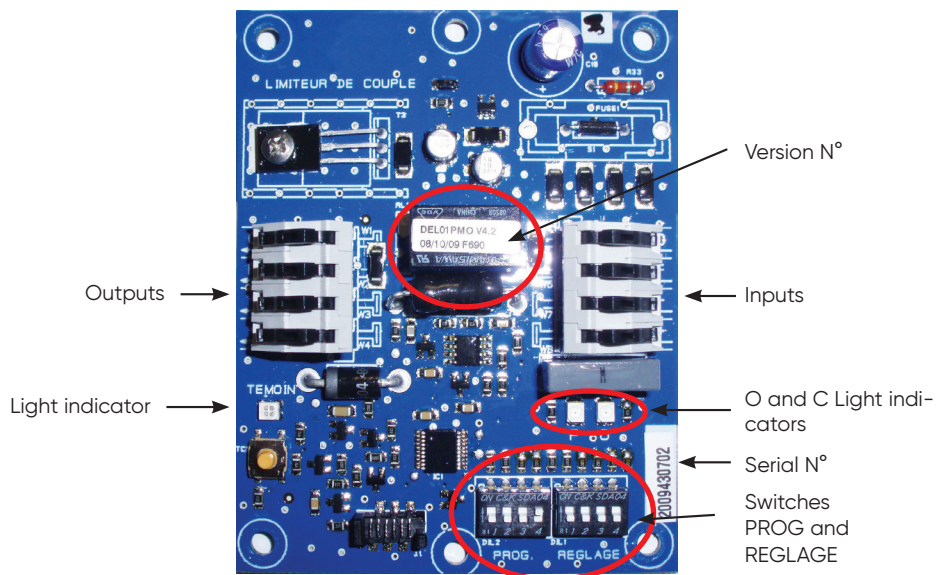
INSTALLATION

▶ PROGRAMMING THE TORQUE LIMITER

The Automatic switch (torque limiter) protects the system from any potential oversights with regard to the unlocking of the fastening kits when the pool is opened. If the cover is blocked, the motor will stop automatically.

The different reasons for a blockage:

- Fastening kits have not been unlocked.
- The cover is rubbing ; on the beam, on the copings, ...
- Presence of an object in the pool (robot, counterweight...) that is blocking the cover.



INSTALLATION

CHECK THE CONTROL LOGIC

- Deactivating the Automatic switch (torque limiter) (PROG)



deactivated



- Check :



Close pool



Light indicatorS

Light indicator



F



Open pool



Light indicator



F



If the control logic is not respected, check the wiring of the installation.

CONTROL DURATION ADJUSTMENT

L = pool length including stairs

$L \leq 12$ m



30 seconds

$L > 12$ m

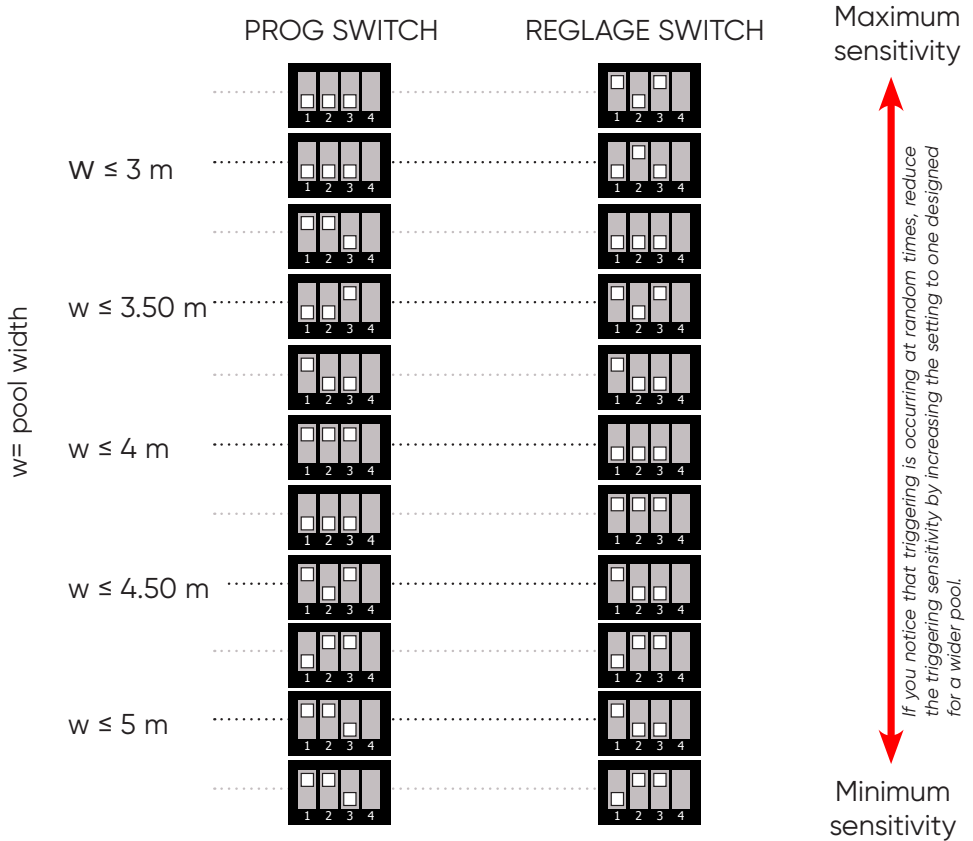


60 seconds



INSTALLATION

TRIGGERING SENSITIVITY ADJUSTMENT



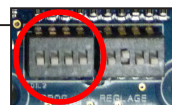
INSTALLATION

ACTIVATION OF THE AUTOMATIC SWITCH (TORQUE LIMITOR)



↓ activated

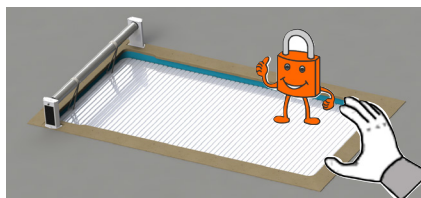
Failure to activate the Automatic switch (torque limiter) can cause serious damage to the motor, the Control box and the slats, which will affect the warranty.



TEST

A - Block the cover manually or with the locking kits and open it while watching the pool

=> The motor is stopped automatically
(if required, adjust the triggering sensitivity).



If you notice that triggering is occurring at random times, reduce the triggering sensitivity by increasing the setting to one designed for a wider pool.

ACTIVITY CARD	LIGHT INDICATORS	O	F	
	Opening, check underway			
	Closing			
	Close			
	Protection triggered			

INFORMATION

The cover stops when the pool is being opened:

1 – Stoppage due to a genuine blockage

(failure to unlock safety locking kits or any other reason):

- Close for more than 3 seconds until the slats are no longer stretched.

The next attempt to open it will remain protected by the system.

- Remove the cause(s) of the blockage(s) and restart the opening procedure.

2 – Unintentional shutdown

- Close for 1 to 3 seconds

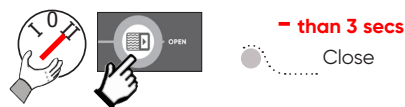
The next attempt to open it will no longer be protected by the system.

- Try to open the pool again.
- If shutdowns are being triggered at random times, reduce the sensitivity of the board.
- If the motor is being overexerted before triggering occurs, increase the sensitivity of the board ("triggering sensitivity" setting).

Opening protected



Opening not protected



SERVICING/MAINTENANCE

POOL WATER LEVEL

- In order to ensure maximum safety and correct operation of the Roller, always check that the water level in the pool remains constant and complies with the manufacturer's requirements (for greater comfort, use an overflow and a water level regulator).
- A water level that is too high is due to the overflow being obstructed by leaves or other items.
- A water level that is too low means that there is a risk of blockage.
- In case of a recess or a handrail, the water level must be controlled by a level regulator.

WATER FILTRATION AND TREATMENT

- Programme filtration to take place at a time when the sun is shining on the pool and ensure that it is set to work continuously when the water reaches 28°C.
- In order to ensure that your installation will last, the water in the pool must be correctly treated in compliance with the applicable standards and recommendations (NF EN 16713-3).
- The pH, hardness and alkali levels of the water must be checked and adjusted as often as is necessary (although you will need to ensure that you don't correct these three parameters independently of each other but do so using the Taylor table and balance the water with regard to the three parameters analysed).

SERVICING (customer's responsibility)

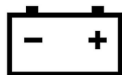
- Carry out a deep clean of the slats twice per year (the first time in the year it is used and prior to wintering). This is even more important if the water in the pool is hard. To do so, use a pressure washer with hot water and a descaling cleaning product (Décalcit super).
- Also ensure that you regularly clean the fastening kits especially the anchor to avoid it getting stuck. We recommend annual greasing of the anchor to ensure that the system works as well as possible.
- It is best to inspect the entire system if the cover is forced to bear unexpected weight at any time (if anything falls on it).
- Carry out an annual check of the straps.
- For optimal solar sensor performance, clean it regularly using a window cleaning product.

SERVICING/MAINTENANCE

BATTERIES

At the first sign of the batteries losing power, recharge them.

NEVER LET THE BATTERIES LOSE COMPLETELY THEIR CHARGE.



Always disconnect the solar sensors beforehand and unplug the batteries.

Connect the batteries to the charger (check the polarity). Plug the charger in. It will switch on automatically to the correct voltage and the charging process will begin. The red LED shows that charging is underway. When the charge is complete, the red LED will be switched off and the batteries are then powered by a maintenance charge (see charger instructions).

Precaution: Keep your charger in a dry place. Do not recharge the batteries close to the pool, but instead do so in a dry place.

Minimum recharging time: 48 hrs

WINTERING

- Overwinter the pool in the best way with regard to its geographical situation.
- Close the cover into the safety position.
- Leave the batteries in the Roller and do not cover the solar panel.
- We recommend the installation of an Ivernéa wintering cover or an Ivernéa Plus protective cover to protect the slats from UV rays and dirt.

MAINTENANCE

- All interventions must be carried out by a professional, who will contact the manufacturer if necessary.
- All spare parts must come from the manufacturer or comply with applicable standards.
- Inspect the cover thoroughly.
- It is necessary to check at the start of every season and if any accident has occurred (if anything has fallen onto the cover, if hail has struck the cover, if the cover has had to bear any abnormal weight etc...) check that none of the slats has sustained any visible damage that may affect the safety of the cover (cracked slats, holes, deformations, etc...). Make sure that you change the slats or the entire cover if required.
- In summer or in winter: do not place an opaque sheet over the cover: this may damage the slats due to high temperature.
- Check the state of the straps (seams) and in particular the wear on the anti-abrasion sleeve. If the latter is no longer fulfilling its role of protecting the strap against abrasions from the pool copings, then replace it

SERVICING/MAINTENANCE

▶ CHANGING THE BATTERIES

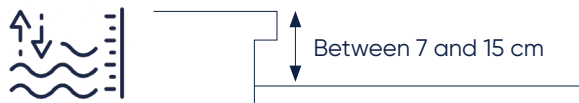


Be careful with the joint when reassembling

SERVICING/MAINTENANCE

WINTERING

- Position the cover in the closed position and keep the water level constant in accordance with the manufacturer's recommendations.



- During the winter season, in the event of snowfall, it is essential to remove the snow from the cover using a brush with a telescopic handle to avoid deforming the crossbars.

SPARE PARTS

Online catalogue :



<https://www.my-cfgroup.fr/fr/pieces-detachees>

SAFETY ADVICE

Dear Customers,

Thank you for placing your trust in us by selecting a safety cover made by DEL.

Please read the recommendations set out below with care.

WARNING

Swimming pools can represent a serious danger for your children. Drowning can happen very quickly.

Children who are close to a swimming pool need to be watched constantly and actively, even if they know how to swim.

Learn lifesaving techniques.

The physical presence of an adult is absolutely essential whenever the pool is open.



Memorise the telephone numbers for the emergency services and ensure that they are displayed close to the pool.

18 (in France) or **112**

FIRE SERVICE

15

**AMBULANCE
SERVICE**

(write the number that applies in your region)



POISON CONTROL

CENTRE

SAFETY ADVICE

- This cover is by no means a replacement for common sense or individual responsibility. Its aim is not to replace the vigilance of parents and/or responsible adults, who remain the essential factor in ensuring the protection of young children.
- **WARNING:** safety is only guaranteed when the cover is closed, locked and correctly installed in compliance with the manufacturer's instructions.
- The cover must systematically be closed if you are absent from home, even for a very short period.
- Check that no people and no foreign objects are in the pool before and during opening and closing operations.
- Make sure that you place all of the tools required for moving the pool cover out of the reach of children (e.g. the key).
- The operation of the mechanism must only be carried out by a responsible adult.
- Climbing, walking or jumping on a pool cover is strictly forbidden.
- In the following cases, take all necessary precautions to prevent young children from accessing the pool :
 - if you are waiting for repairs
 - if you notice any malfunction
 - if you cannot close or secure the pool
 - if the equipment is temporarily unavailable
- Respect the water levels indicated by the manufacturer.

A child can drown in less than 3 minutes, no type of protection can ever replace the watchful eye and vigilance of a responsible adult.

RECYCLING

PACKAGING



Dispose of the packaging in line with current rules and regulations.

END OF LIFECYCLE



- Do not put your scrapped equipment or used batteries in with unsorted household waste.
- You are responsible for disposing of all of your waste, in particular electrical and electronic equipment by taking it to a collection point where recycling and valorisation are carried out.
- Some products may contain substances that are dangerous for the environment. You need to ensure that these are eliminated or neutralised.
- Make sure that you are aware of all existing recovery and collection systems.



discard the manual in line with the current regulations.

REGULATIONS

STANDARD

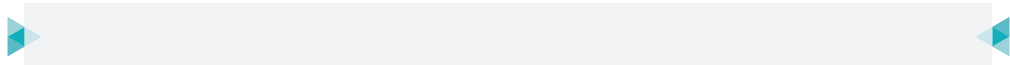
- This cover complies with standard NFP 90-308.

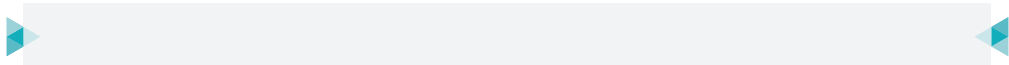
WARRANTY CONDITION

log on to www.del-piscine.fr to consult all our guarantees.



<https://www.del-piscine.fr/rechercher-une-garantie>





DEL SAS
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