

EN

# INSTALLATION GUIDELINES

INSTALLATION/SERVICING/MAINTENANCE/SAFETY ADVICE



**DEL** 

**ABOVE-GROUND COVER**

**ROLLEASY 2**

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# 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 are not held liable for any damage arising due to a failure to respect the instructions set out in this manual.

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# INFORMATION

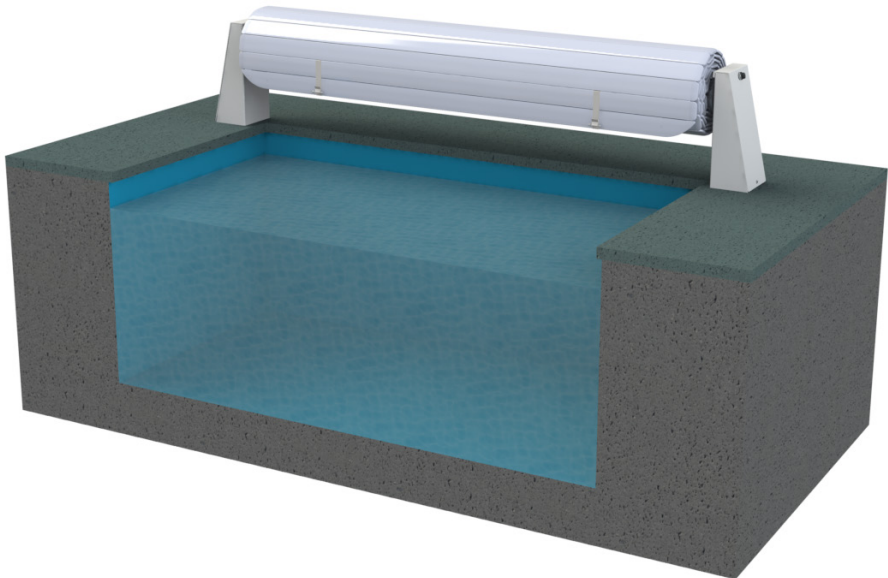
The opening or closing operation is performed by one person and takes a few minutes, the same applies to locking or unlocking the mounting kits.

## ELECTRICAL AND SOLAR-POWERED VERSION

The motor is located in the tube and can be accessed from inside the end-stand.. Power is supplied via an Control box located in the machine room or via 2 batteries placed in the terminal on the motor side for the solar-powered version. Programming the limit switches is carried out on the motor.

## MANUAL VERSION



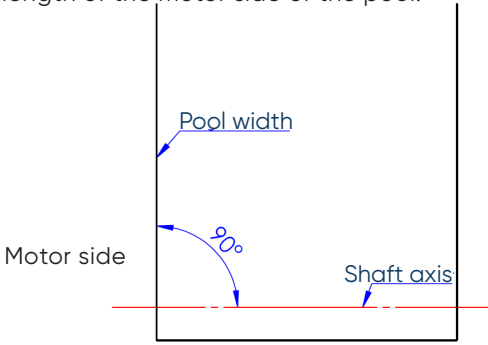


Unwinding and rewinding operations are carried out using the removeable wheel.



- 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.

# INFORMATION




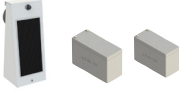


## PREREQUISITES

	<p>The water level must be maintained when the cover is installed. Refer to the maintenance section.</p>
	<p>For the deck to run smoothly, the mast axis must be positioned perpendicular to the length of the motor side of the pool.</p> 
	<p>The motor is located in the mast and is accessible from inside the housing. Power is supplied from an electrical box in the machine room. Limit switches are adjusted directly on the motor.</p>
	<p>Remember to wear safety equipment.</p>



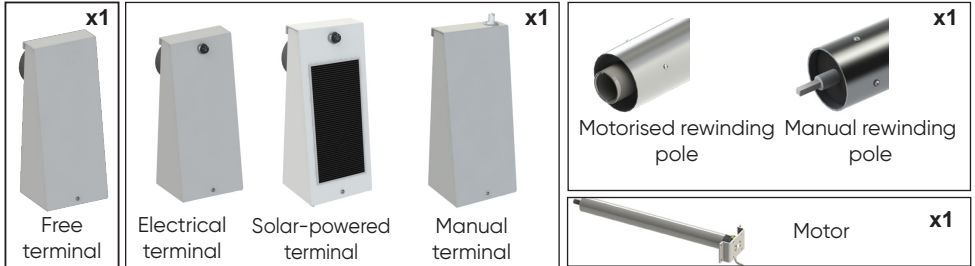
- **WE ADVISE YOU TO READ ALL THE INSTALLATION STEPS BEFORE FITTING TO AVOID UNNECESSARY HANDLING.**
- **To date, covers with a removable form on a side staircase do not comply with standard NF P90-308.**
- **Unless otherwise specified by the alarm manufacturer, immersion alarms are not compatible with .**

## DESCRIPTION

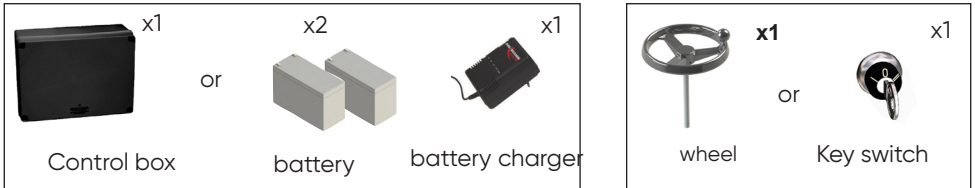
	<ul style="list-style-type: none"> <li>• The motor (which complies with electrical standards) is located in the tube and can be accessed from inside the end-stand..</li> <li>• The “mechanical end switches” that allow the slats to be stopped when it has been fully unwound or wound onto the pole can be calibrated directly on the motor.</li> </ul>
	<p><b>Control:</b></p> <ul style="list-style-type: none"> <li>• Key switch</li> <li>• crank</li> </ul>
	<ul style="list-style-type: none"> <li>• For the electrical version: The control box is installed in the technical room close to the pool.</li> </ul>
	<ul style="list-style-type: none"> <li>• For the solar powered version: The solar panels and the batteries are integrated into the terminal.</li> </ul>
<b>Optional:</b>	
	<ul style="list-style-type: none"> <li>• <b>“Electrolyser coupling”</b> (electrical version only):</li> </ul> <p>“Stop salt” control box : connected to the control box of the cover and the electrolyser and is used to automatically reduce the production of chlorine when the pool is closed.(only applies to compatible electrolyses).</p>
   <b>LivePool Cover</b>	<p>Control the opening and closing of the shutter via the app</p>

# DESCRIPTION

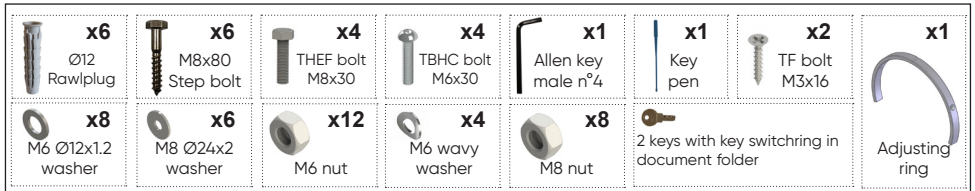
## COMPONENTS PROVIDED



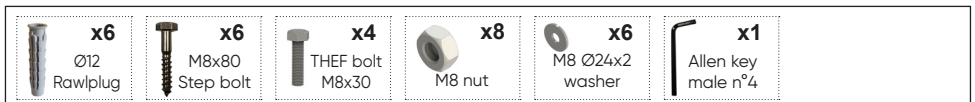
## ▶ POWER SUPPLY AND CONTROL MANAGEMENT



## ▶ MOUNTING PACKING FOR ELECTRICAL OR SOLAR-POWERED VERSION













## ▶ MOUNTING PACKING MANUAL VERSION



# DESCRIPTION

## TOOLS REQUIRED FOR MOUNTING



	Meter and decameter		Screwdriver
	Level		Cutter
	Perforator		Flat wrench
 Ø8/Ø12/Ø20	Concrete drill	N°10 - 13 - 17	
	Adjustable pliers		Angle grinder
			Hammer

## PACKING LIST

Example for a 4x8m pool:  
 1 parcel - 0.80 x 0.60 x 0.55m 40kg  
 1 parcel - 4.30 x 0.20 x 0.20m 25kg  
 4 parcels - 4.10 x 0.25 x 0.20m 150kg  
 Total weight : 215kg

## MOUNTING

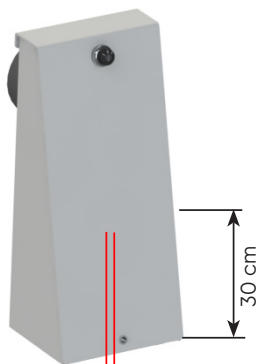
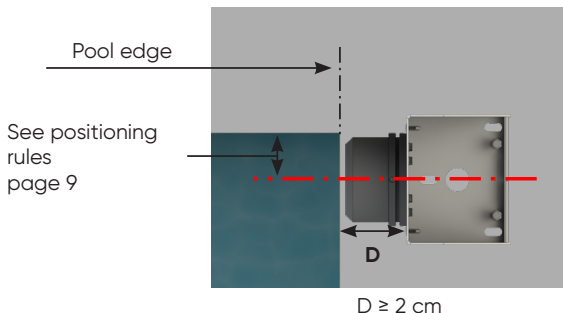
 2 people  
 3 hours

# INSTALLATION

## PRE-INSTALLATION INFORMATION

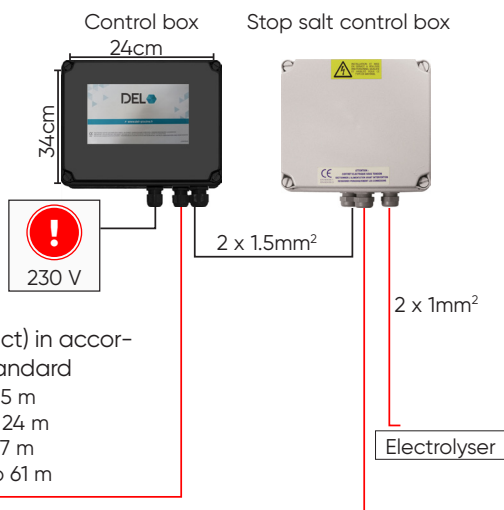
### ELECTRICAL VERSION

Remember to place a conduit for the wiring to connect the Control box with the motor terminal.



(U1000RO2V under duct) in accordance with current standard

- 2 x 2.5 mm<sup>2</sup> - 0 to 15 m
- 2 x 4 mm<sup>2</sup> - de 15 to 24 m
- 2 x 6 mm<sup>2</sup> - 24 to 37 m
- 2 x 10 mm<sup>2</sup> - de 37 to 61 m



### SOLAR-POWERED VERSION



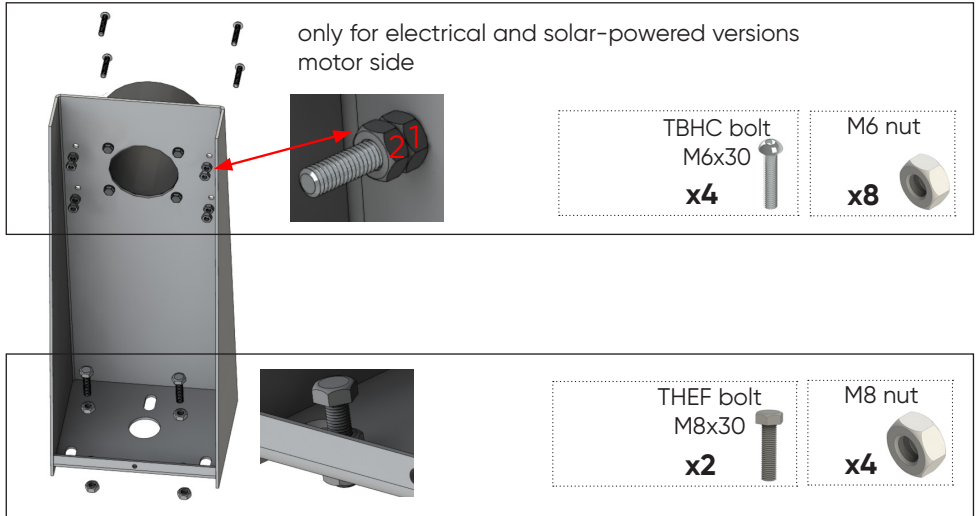
Place the solar collector on the side that gets the most sunshine.

# INSTALLATION

## ROLLER MOUNTING AND FASTENING

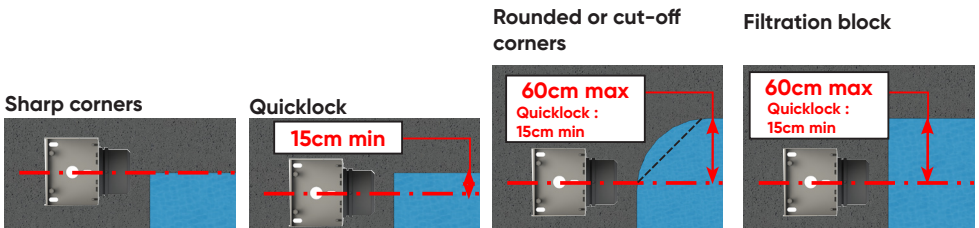
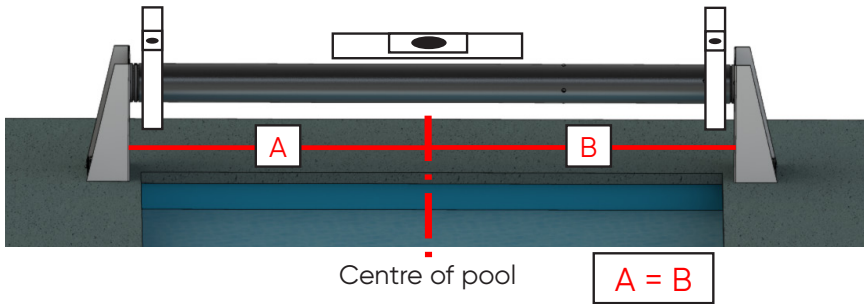
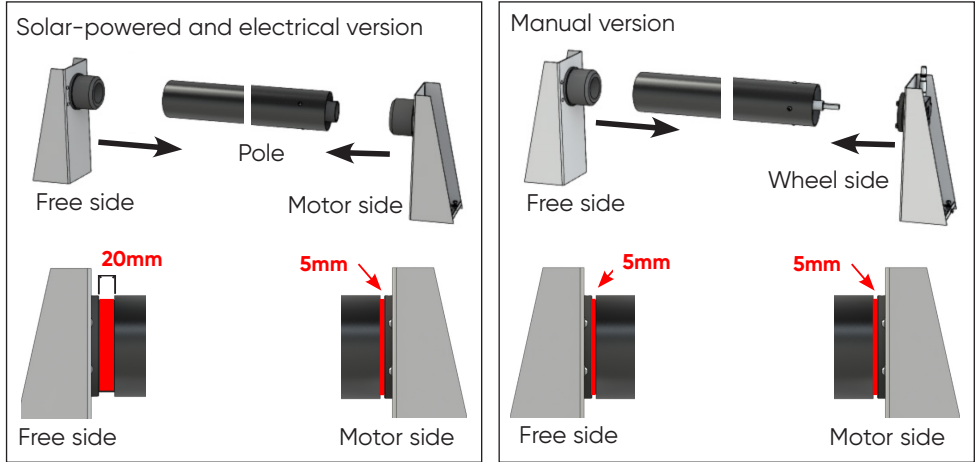
### ▶ MOUNTING OF TERMINAL

Remove the door of the terminals



# INSTALLATION

## MOUNTING AND POSITIONING OF THE ROLLER WITH REGARD TO THE POOL



# INSTALLATION

## ▶ GROUND MOUNTINGS FOR ROLLER



Ø12 Rawlplug <b>x3</b>	M8x80 Step bolt <b>x3</b>	M8 Ø24x2 washer <b>x3</b>
------------------------------	---------------------------------	---------------------------------



Ø12

Solar-powered and electrical version

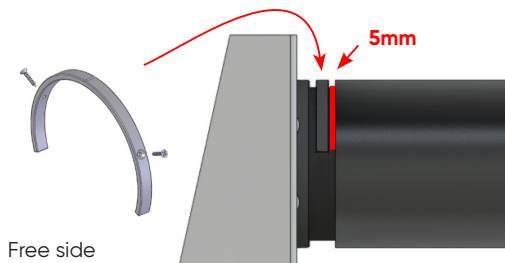
adjusting  
ring



**x1**

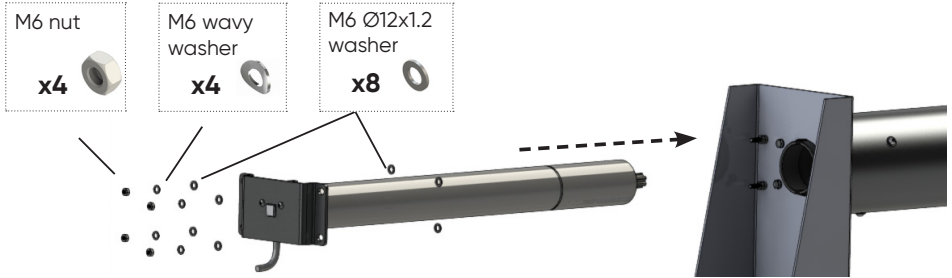
TF bolt  
M3x16

**x2**

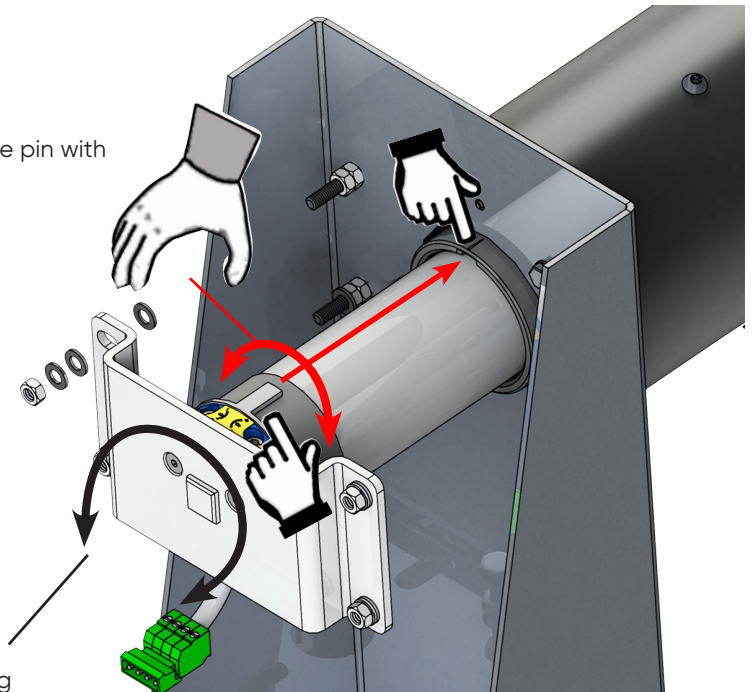


# INSTALLATION

## ▶ INSTALLATION OF THE MOTOR (ELECTRICAL AND SOLAR-POWERED VERSION)



align the pin with the slot



Make gentle rotating movements with the motor to ensure it fits snugly into its housing.

# INSTALLATION

## CONTROL BOX

### ➤ MOUNTING THE CONTROL BOX

- The installation must be carried out in accordance with the electrical standards in force in the country of installation; in France in accordance with standard NF-C 15-100 (part 7-702), in Europe in accordance with standard HD 384-7-702 or equivalent in accordance with local regulations.
- The electrical box must be fixed to a frost-free wall in the equipment room, away from rain, sunlight, any source of heat and any risk of being sprayed or immersed, in an easily accessible location.
- It must be installed level, ideally between 1.2 metres and 1.5 metres from the ground, vertically, with the cable glands facing downwards and on a wall that is sufficiently solid, flat and smooth to withstand the weight of the enclosure.
- The box must be securely fixed to the wall using the screws and plugs supplied.
- If you decide to fix your enclosure by any other means, make sure it is securely fastened, as the warranty may not apply. Please note that adhesives are not considered a reliable means of fixing.



**The guarantee will not be honoured if the enclosure is drilled.  
If the enclosure is drilled, be sure to seal the enclosure fixings.  
Use the fixings supplied with the enclosure to maintain the IP rating.**

# INSTALLATION

The electrical connection of the equipment must only be carried out by a qualified professional, and they must comply with the manufacturer's instructions in addition to the following applicable standards and regulations:

- NF C15-100: Low voltage electrical installations
- CEI 60364: Electrical installations for buildings

Please refer to the leaflet enclosed with the control box to ensure correct installation.



Incorrect installation may result in an electric shock, or it may even damage the equipment. We recommend that you disconnect the control box prior to any work being carried out on it.

Any specific electrical supply line must be protected by a 30mA circuit breaker along with a sufficient overcurrent protection kit.

We recommend use of shielded cable with a nominal cross-section that is not lower than the one indicated in the following table:

Current specified for the equipment A	Nominal cross-section mm <sup>2</sup>
≤0.2	Flat twin tinsel cord a
> 0.2 and ≤ 3	0.5 a
> 3 and ≤ 6	0.75
> 6 and ≤ 10	1.0 (0.75) b
> 10 and ≤ 16	1.5 (1.0) b
> 16 and ≤ 25	2.5
> 25 and ≤ 32	4
> 32 and ≤ 40	6
> 40 and ≤ 63	10

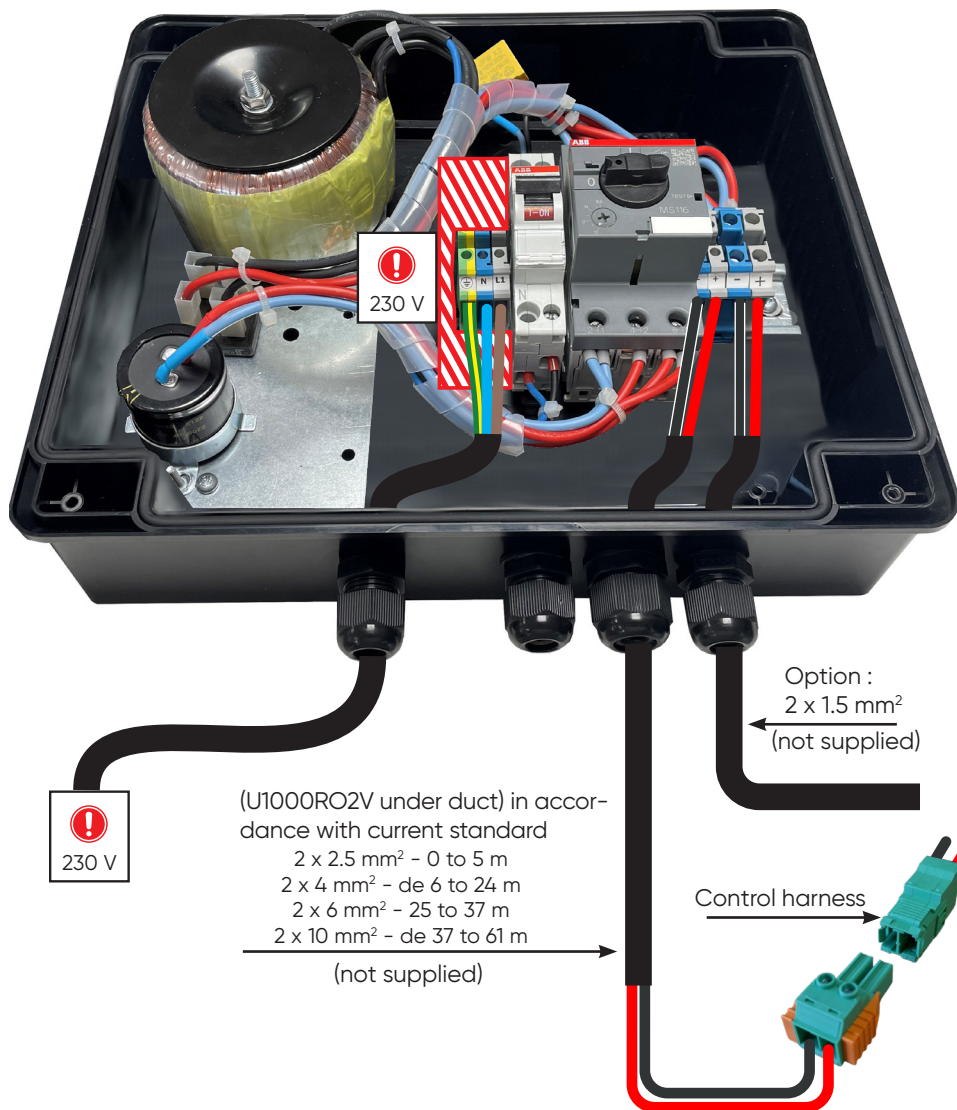
NOTE: For power cables supplied with polyphase equipment, the nominal cross-section of the conductors is based on the maximum cross-section of the phase conductors at the end of the power cable that is intended to be connected to the terminals of the unit.

- a These cables can only be used if their length, as measured between the point where the cable or cable protector enters the equipment and the connection to the mains supply, does not exceed 2m.
- b Cables that have the cross-sections indicated in supports can be used for mobile equipment if their length does not exceed 2m.

# INSTALLATION

## ELECTRICAL WIRING FOR AQUA 9 CONTROL BOX

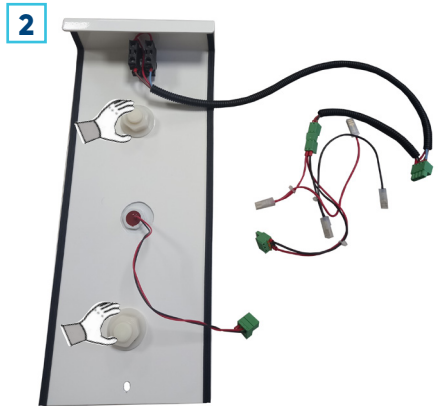
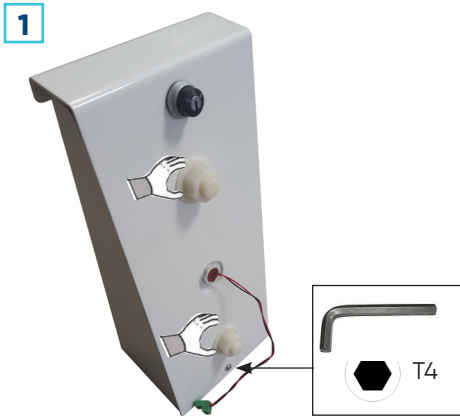
- ⚠ • Make sure that no-one is in the pool during the operation.
- All connections must be made off-line.



# INSTALLATION

## SOLAR PANELS

To avoid potential breakage of the solar panel during transport, we have installed them on the inside of the door. They must therefore be mounted on the outside as shown below.



**!** Tighten by hand and stop on contact

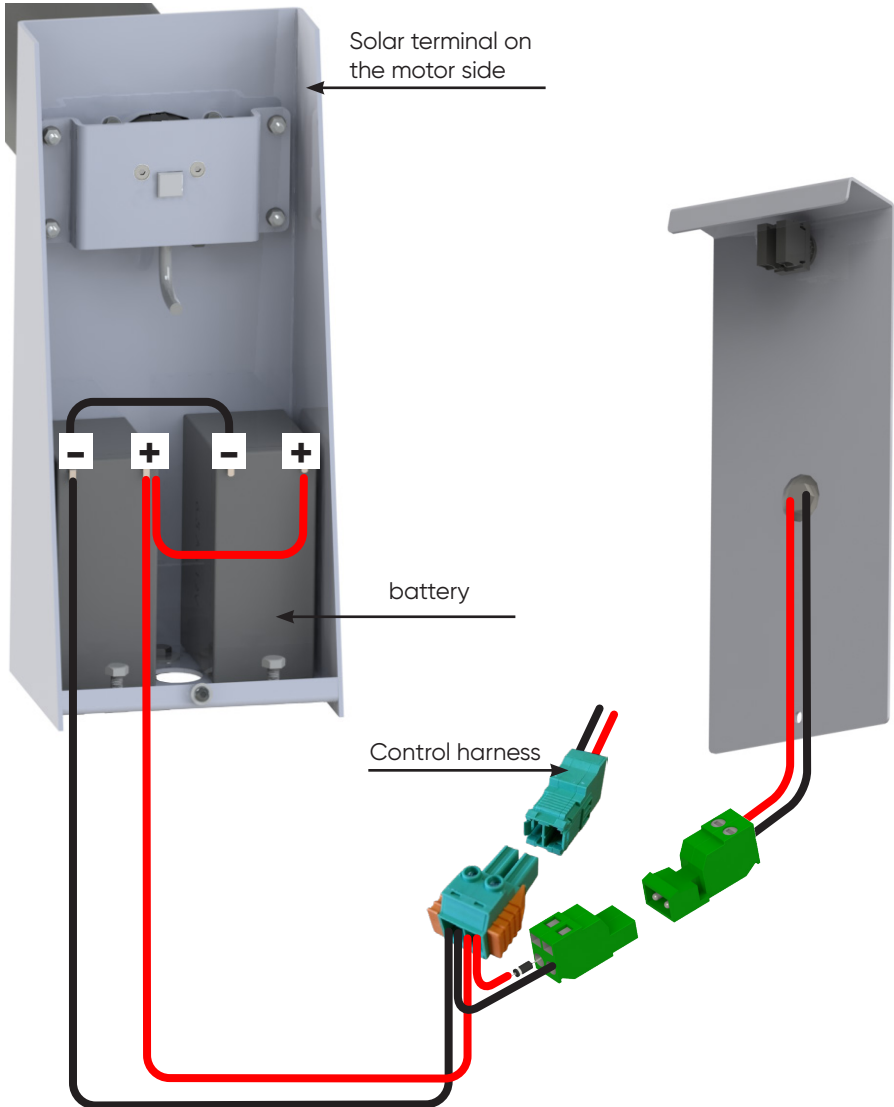


# INSTALLATION

## WIRING OF BATTERIES AND SOLAR PANEL

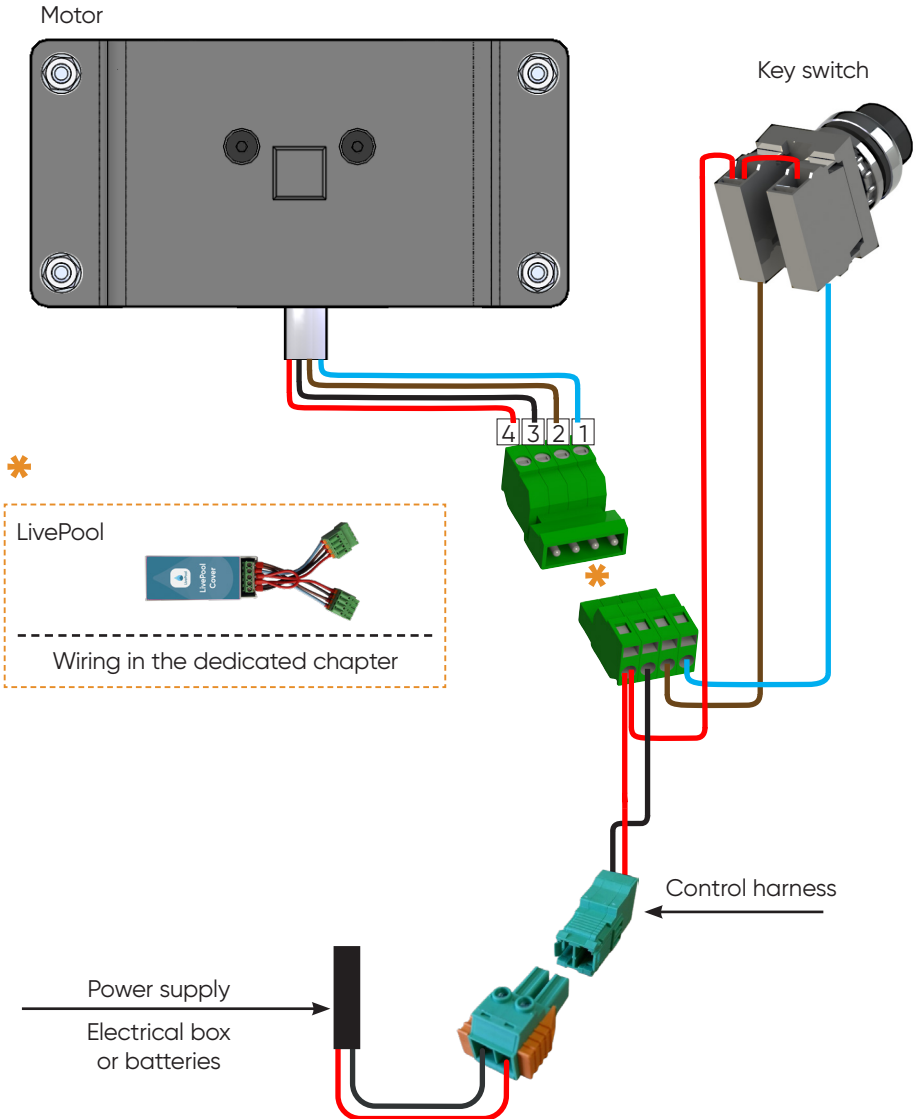


- Make sure that no-one is in the pool during the operation.
- All connections must be made off-line.



# INSTALLATION

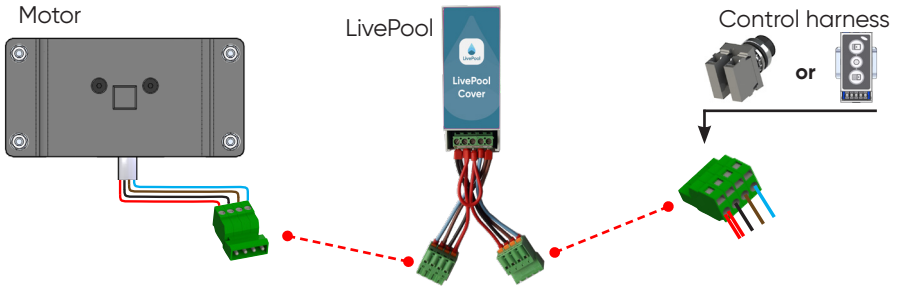
## WIRING OF THE KEY SWITCH HARNESS TO THE POWER SUPPLY AND THE MOTOR



# INSTALLATION

## WIRING OF THE OPTIONS

### WIRING OF THE LIVEPOOL OPTION

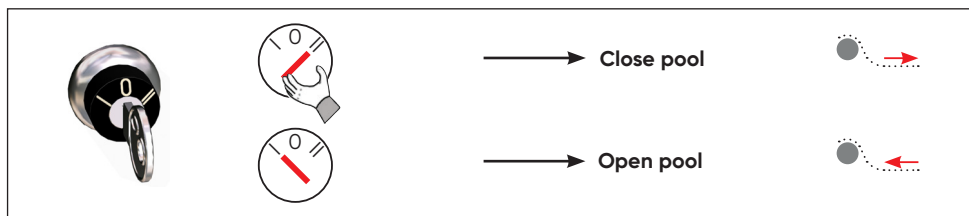


# INSTALLATION

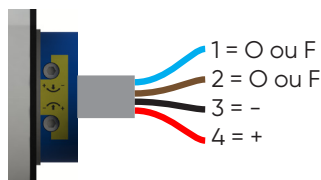
- ❗ Any person carrying out work on the electrical parts must be qualified and wear PPE (personal protective equipment): gloves, goggles, mat, etc.
- ❗ Warning: use of the pool cover control buttons present in the housing (Wi-Key receiver) must only be carried out by a person who is absolutely certain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

## SETTINGS (DETACHABLE MOTORISATION BECKER)

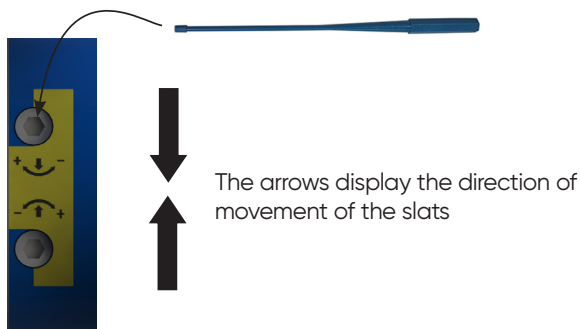
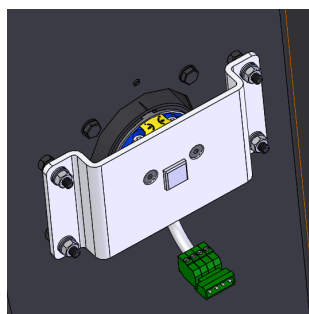
### CHECK



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.

## SERVICING/MAINTENANCE

**Any person carrying out work on the electrical parts must be qualified and they must comply with the manufacturer's instructions in addition to the applicable standards and regulations.**



**During any intervention, the technician must wear PPE (personal protective equipment): gloves, goggles, mat, etc...**

**We recommend that the installation be disconnected from the power prior to any intervention taking place.**

### WATER LEVEL IN POOL

- In order to ensure maximum safety and correct operation of the rewinder, 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.
- Complying with the recommended minimum and maximum water levels ensures proper operation and compliance with the requirements of standard NF P90-308.
- It is advisable to pay close attention to fluctuations in the water level. The most suitable method (to ensure both monitoring and the necessary corrections) is to combine an overflow system with automatic filling.
- The target water level is specific to each pool and depends on the overall configuration of the cover. It is necessary to combine the recommendations relating to the reel and its possible decking with those relating to safety locks and slats.
- The NF P90-308 standard requirements imply compliance with the recommendations throughout the year and therefore an active winterisation without lowering the water level is needed.
- The water level must be less than 25 cm below the deck; beyond this, please consult us.
- If a safety system is installed on the pool, refer to the recommended water level indicated for that system.

# SERVICING/MAINTENANCE

## 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 all the time 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 provide the water with balance with regard to the three parameters analysed).

# SERVICING/MAINTENANCE

## CARE (RESPONSIBILITY OF THE CUSTOMER)

- Inspect the entire system if an abnormal load is placed on the cover (such as in the event of a fall).
- Cleaning and maintenance by the user must not be carried out by unsupervised children.

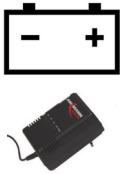
## MAINTENANCE (ONCE PER YEAR MINIMUM)

- 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.

## BATTERIES

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

**NEVER LET THE BATTERIES LOSE COMPLETELY THEIR CHARGE.**



Always disconnect the solar collectors beforehand then disconnect 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).

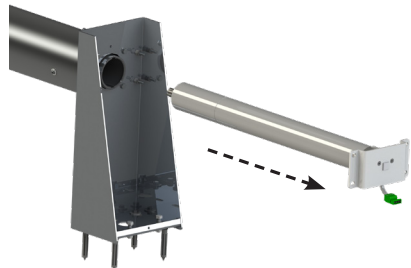
Precaution: Keep your charger in a dry place. Do not recharge the batteries close to the pool, but instead do so in a dry place.

Minimum recharging time: 48 hrs

## ROLLER CLUTCH

If the motor breaks down or if there is a power cut, you can remove the motor in order to close the pool manually.

1. Cut off electrical power
2. Disconnect the motor
3. Remove the mountings and pull out the motor
4. Unroll the slats manually.
5. Attach the locking kits.



## SERVICING/MAINTENANCE

### WINTERING

- Position the cover in the closed position and keep the water level constant in accordance with the manufacturer's recommendations.
- Winterise the pool according to its geographical location.
- Close the cover in the safety position.
- We recommend installing an Ivern ea winter cover or an Ivern ea Plus protective cover to protect the cover from UV rays and dirt.

# SERVICING/MAINTENANCE

## SPARE PARTS

Online catalogue :



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

## TROUBLESHOOTING GUIDE



Above-ground pool cover :

<https://view.publitas.com/cfgroup/quick-troubleshooting-guide-electrical-above-ground-cover/>

## SERVICING/MAINTENANCE

### WARRANTY CONDITION

log on to [www.del-piscine.fr](http://www.del-piscine.fr) to consult all our guarantees.



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

### REPAIR

- Do not hesitate to ask our authorised distributors for advice.
- If the power Câble is damaged, it must be replaced: by the manufacturer, its after-sales service or similarly qualified persons in order to avoid danger.

## SAFETY ADVICE

We recommend that you carefully read the recommendations below.

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



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



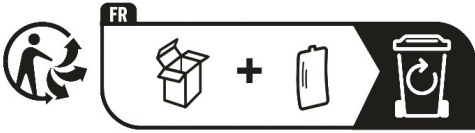
## SAFETY ADVICE

- This section 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 persons and no foreign objects are in the pool before and during opening and closing operations.
- Store the devices and/or tools needed to operate the covers out of the reach of children.
- Operation of the mechanism must only be carried out by a responsible adult.
- With the exception of movable floors, movable terraces and the covering elements provided for this purpose (e.g. gratings), do not climb, walk or jump on a safety cover.
- Take all necessary measures to prevent access to the pool for young children until the cover is repaired or when a malfunction is observed that prevents closing or in case of temporary unavailability of the equipment or the pool.
- Respect the water levels designated by the manufacturer.
- Children must not play with the appliance.
- This appliance may be used by children aged 8 and over, and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have received supervision or instructions concerning the safe use of the appliance and understand the hazards involved.

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.
- Certain products potentially contain substances that are dangerous for the environment, and 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.



Adresses sur [quefairedemesdechets.fr](http://quefairedemesdechets.fr)



## NOTE



## NOTE

**DEL SAS**  
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STAMP

A brand by CF group

