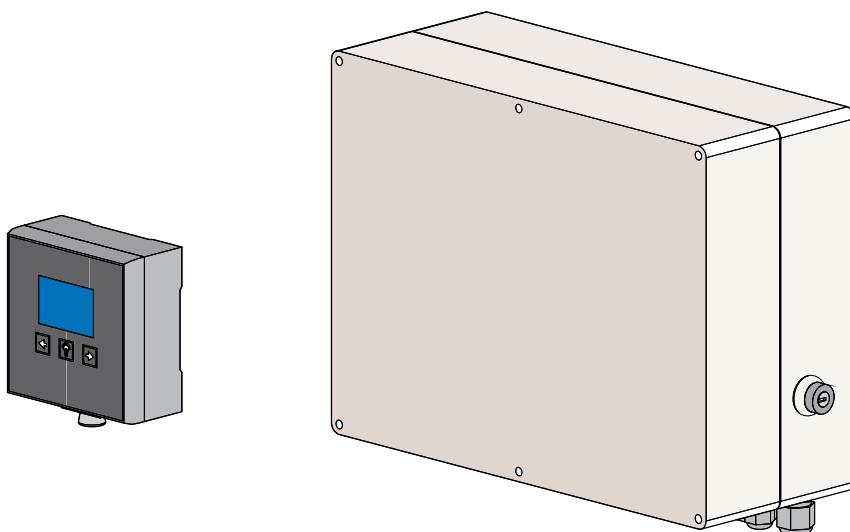


STARLINE ROLDECK

USER MANUAL
ANLEITUNG
GEBRUIKERSHANDLEIDING
MANUAL DEL USUARIO
MANUAL D'UTILISATION



EN User Manual p.2

DE Anleitung p.32

NL Gebruikershandleiding p.62

ES Manual del usuario p.92

FR Manuel d'utilisation p.122

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1 General

1.1 Purpose of this manual

This manual describes the Starline Roldeck's daily use.

Read the manual carefully. Every user must be acquainted with the contents of this manual.

Follow meticulously the instructions in the manual.

Always perform the operations in the correct order.

Keep the manual in a fixed spot near the operation cabinet. If the manual gets lost, order a new copy through your supplier.

1.2 Icons in this manual

The following icons and symbols are used in this manual:



CAUTION!
Procedures that demand additional attention.



WARNING!
Do not step on it!

1.3 Disposal and Environment

If the Roldeck is discarded, it must be disposed of according to locally valid regulations.

Enquire at the local recycling centre for possibilities for reuse and for environment-friendly processing of the product and the packing.

1.4 Service and Maintenance

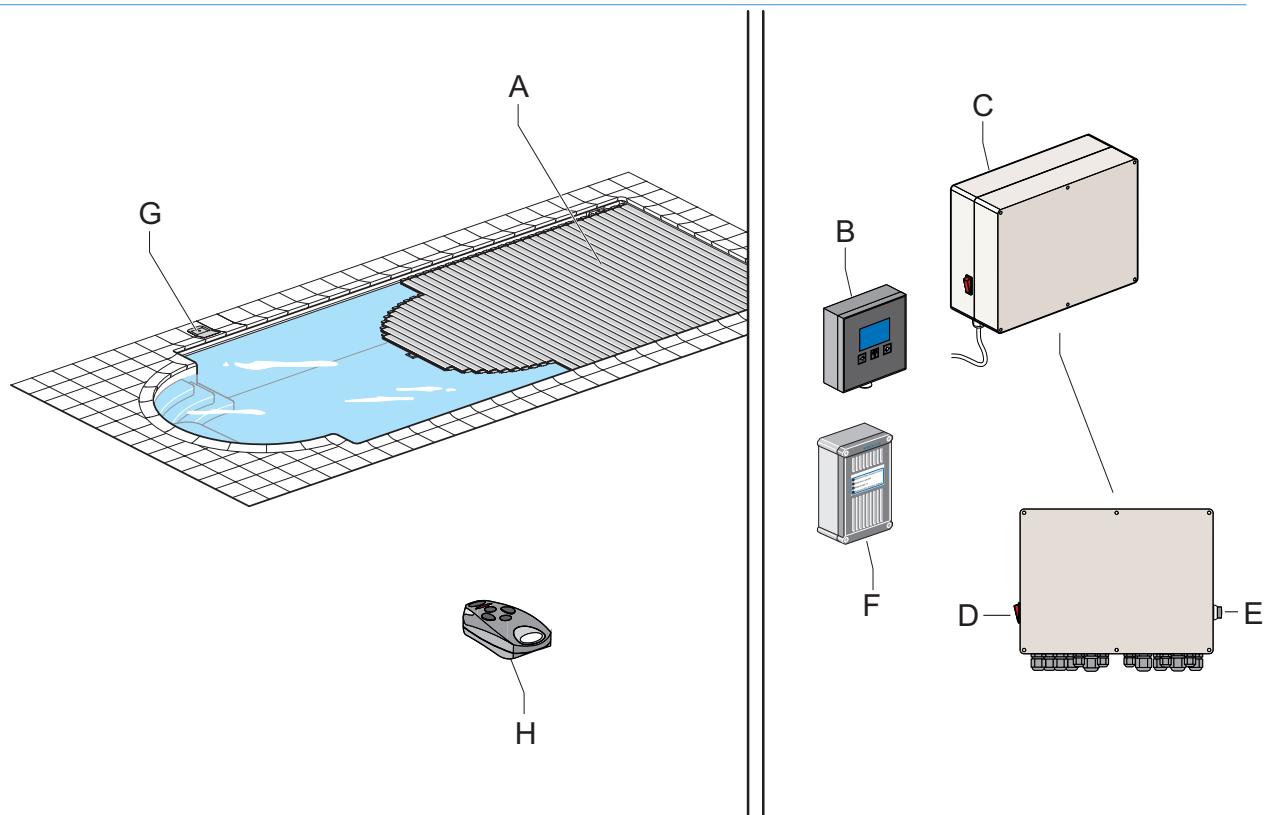
- Have the Roldeck installation checked by the installer at least once a year.
- Report Roldeck failures always to your installer.
- Protect unused slats from direct sunlight:

The slats can become deformed. The synthetic material can become soft. As a result, a failure of the Roldeck can occur.

1.5 Warranty Conditions

Refer to the Starline Warranty booklet.

2 Overview

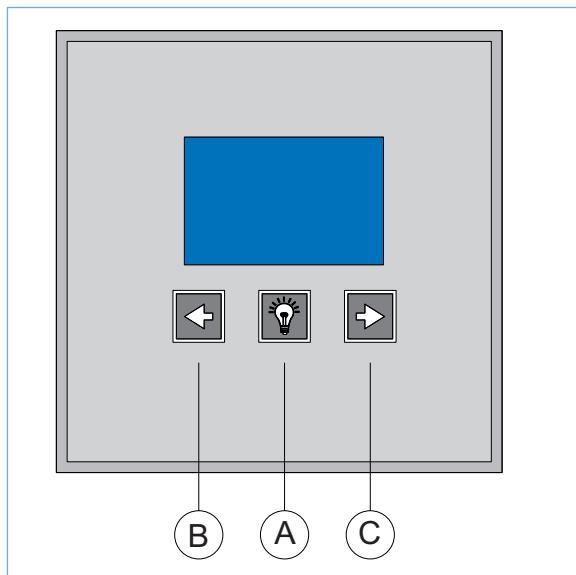


- A Roldeck
- B S-Switch
- C Roldeck Control
- D On /off switch
- E Key switch
- F Optional Level Control
- G Optional Level Measurement Point
- H Remote Control

3 Safety

3.1 Emergency Shutdown

If the key switch on the control box is in the 0 position, it will function as emergency shutdown and the Roldeck cannot be controlled by unauthorized persons. Pressing one of the buttons A, B or C of the S-Switch will work as emergency shutdown as well if the motor is running.

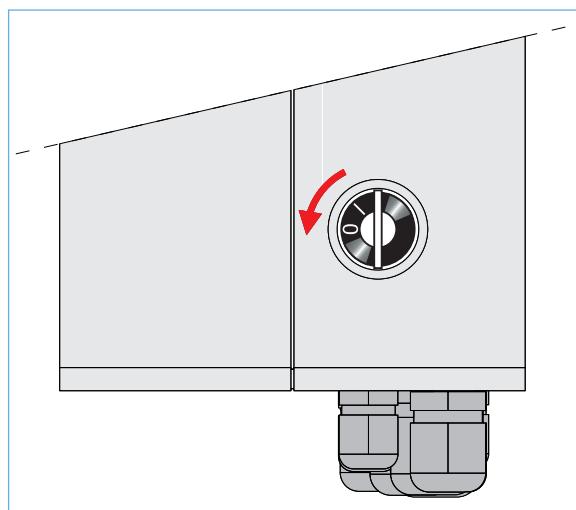


3.2 Operation

To operate the Roldeck the key switch must be in position 1.

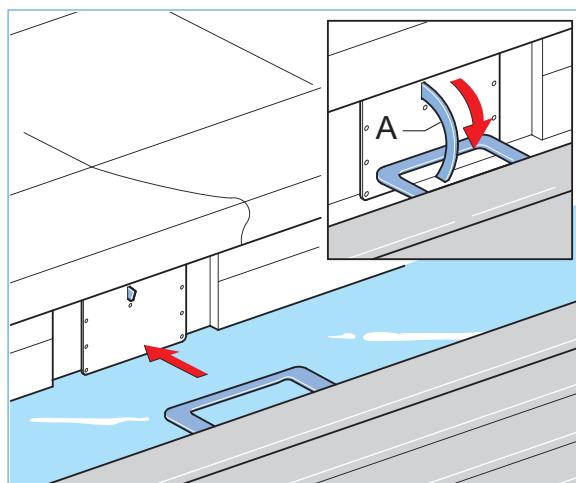
Set the key switch to the 0 position if the Roldeck has been opened. If the key switch is in position 0 it works as emergency stop and the Roldeck is not operable.
(childproof safety)

 Make sure that there aren't any persons or objects in the pool when closing the Roldeck.



3.3 Child Lock

The child lock (A) is an automatical safety lock that prevents children from being able to push open - consciously or unconsciously – the Roldeck. Check operation every time you close the cover. The water level is very important for it to function correctly, if too high or too low the latch hook won't engage correctly with the safety lock.

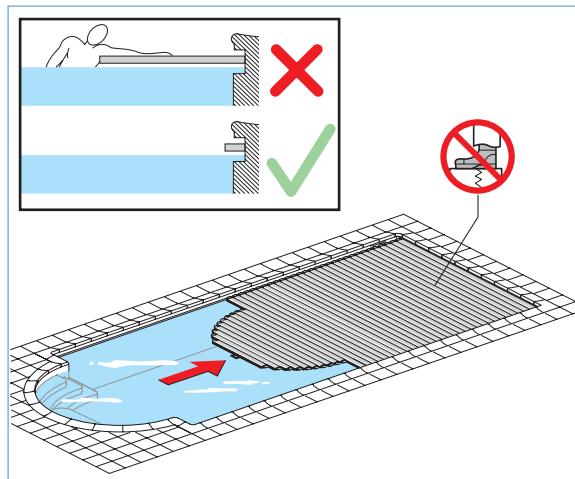


3.4 Roldeck

Always make sure that the Roldeck has been fully opened when the pool is being used. Use of the pool while the Roldeck has been closed partially or completely may result in injury and/or Roldeck damage.

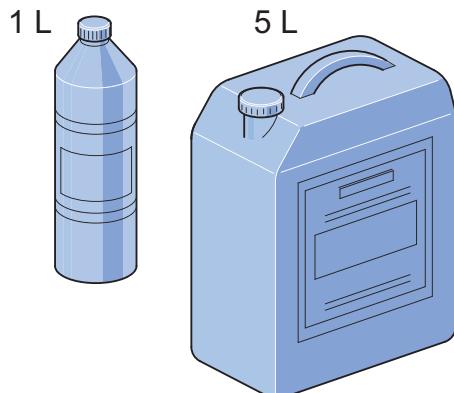


Don't stand/walk on the Roldeck.



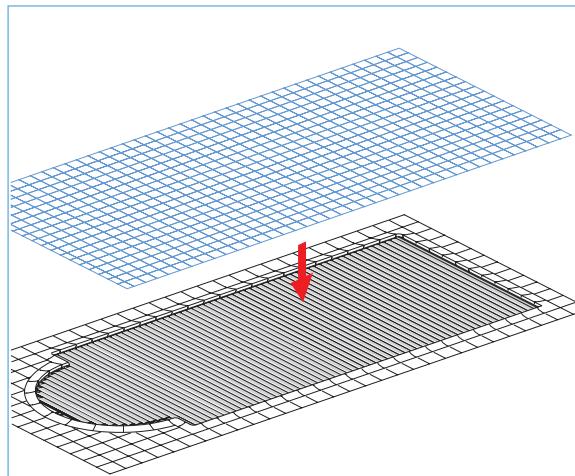
3.5 Descaling

For use, refer to the instructions on the packaging.



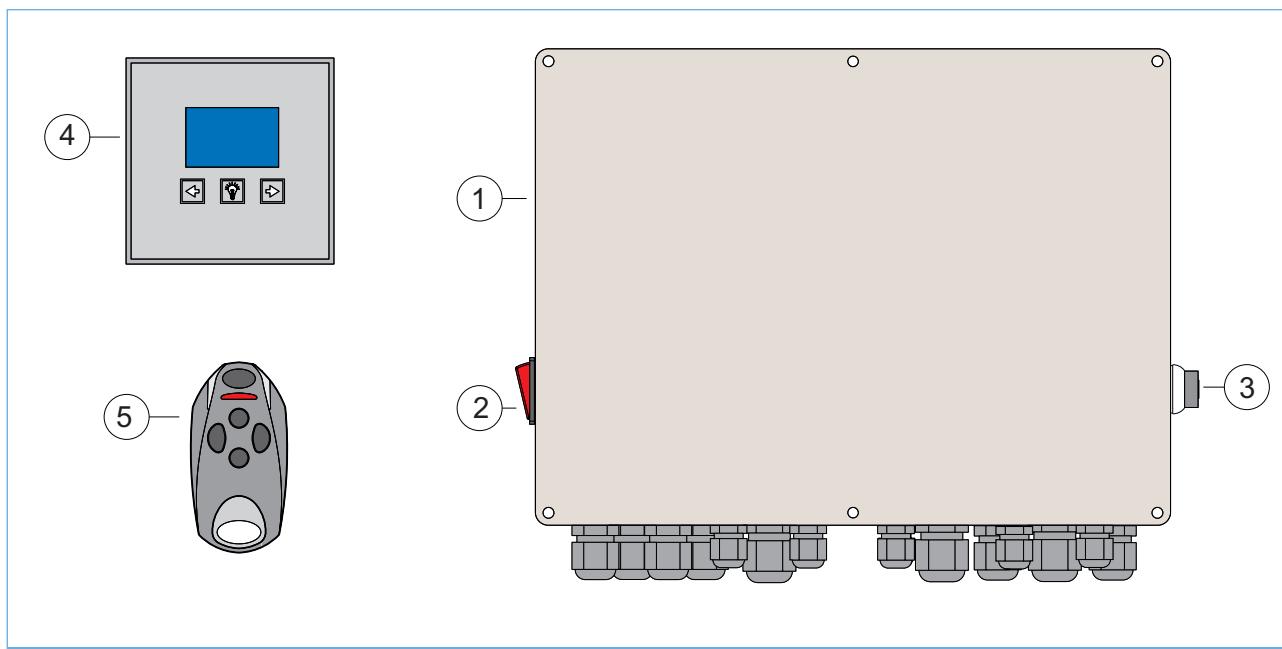
3.6 Preparing for Winter

- The benefits of the Roldeck will be lost if a winter cover is used and the Roldeck left in the open position
- It is true that the Roldeck may become dirtier if a winter cover is used with the Roldeck in the closed position but the pool will be safer.



4 Operation

4.1 Overview Control



- 1 Roldeck control RDEB2013
- 2 On/Off switch
- 3 Key Switch
- 4 S-Switch
- 5 Remote control

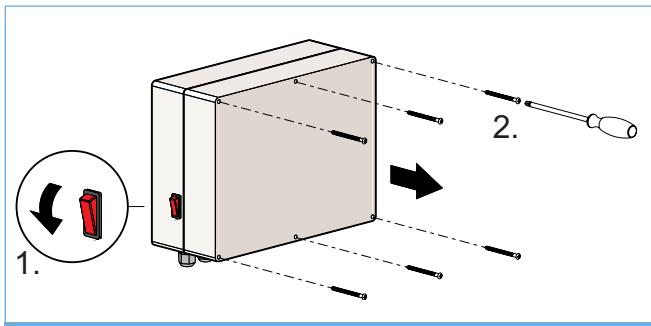
4.2 Removal of the RDEB2013 front panel

REMOVAL OF THE RDEB2013 PANEL



PLEASE NOTE:

1. Before the housing is opened the equipment must be switched off.
 2. Remove the 6 screws from the front panel of the housing.
- Remove the panel of the control housing.



RE-FITTING THE PANEL

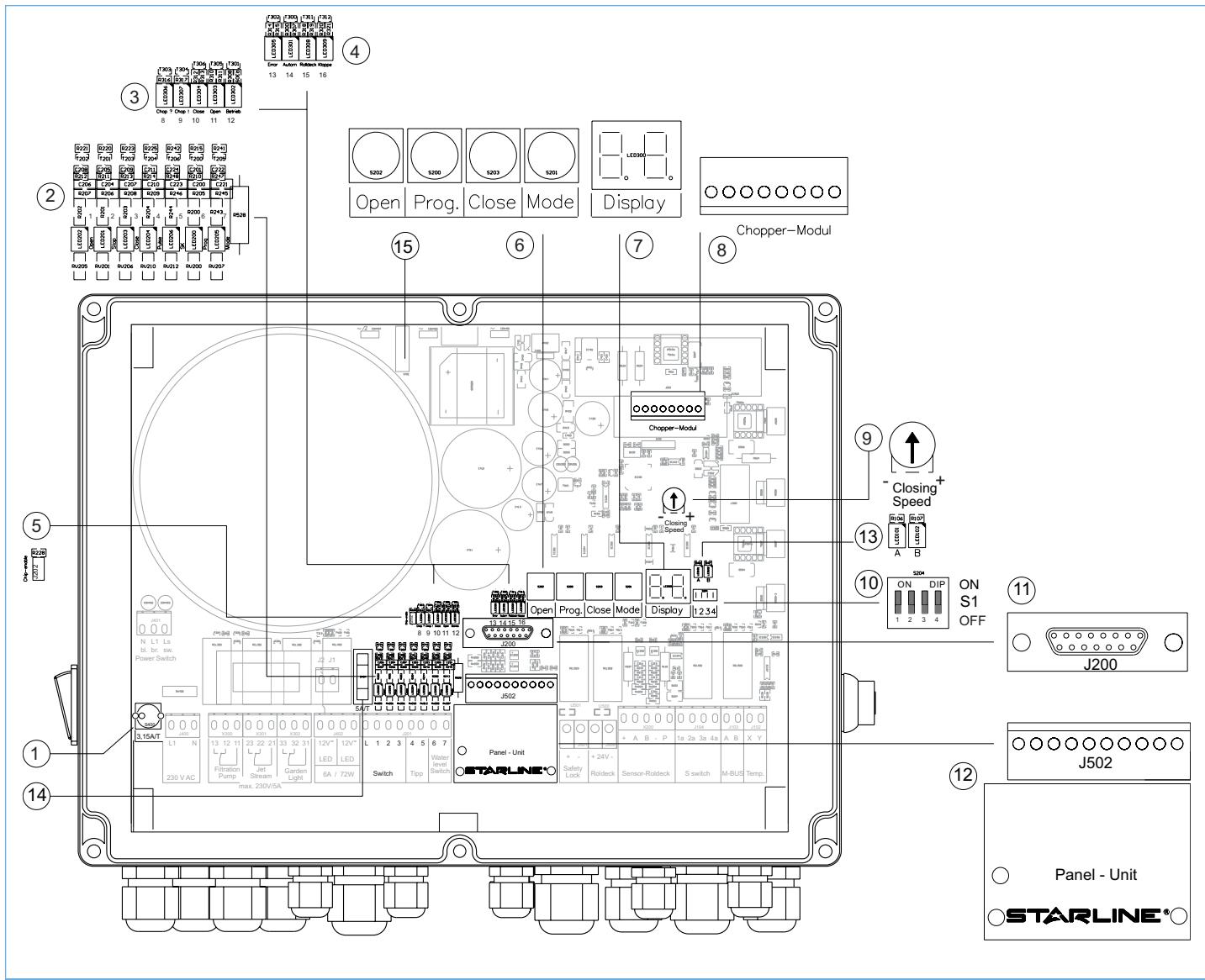
Put the panel back on the housing and tighten the screws crosswise.



NOTE:

Make sure that the panel on the housing is completely closed, otherwise condensation may occur inside the housing, which may damage the RDEB2013.

4.3 Overview RDEB2013 Roldeck Control

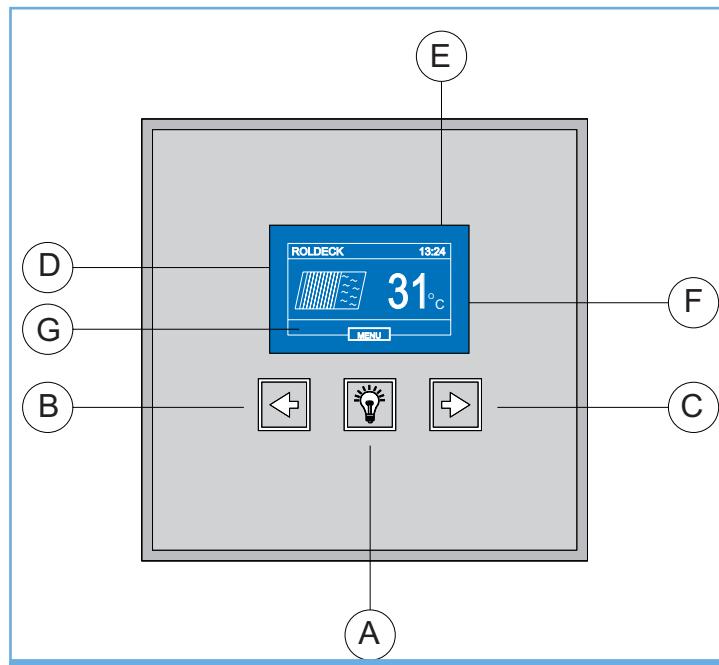


- 1 Fuse primary 230V / 3.15 A T
- 2 LED 01 t/m 07
- 3 LED 08 t/m 12
- 4 LED 13 t/m 16
- 5 Jumper connector (for installation)
- 6 Program buttons
- 7 Display
- 8 Chopper module
- 9 Adjust “close” speed
- 10 DIP Switch S1
- 11 Socket for program plug
- 12 Automatic lid module
- 13 LED A & B Motor sensor signal
- 14 Fuse 12V LED
- 15 Pull-out Fuse 15A

4.4 S-Switch control panel

With the arrow keys ⇄ or ⇌ the Roldeck can be “opened” or “closed”.

By touching one of the three keys when opening or closing the Roldeck, the Roldeck stops.



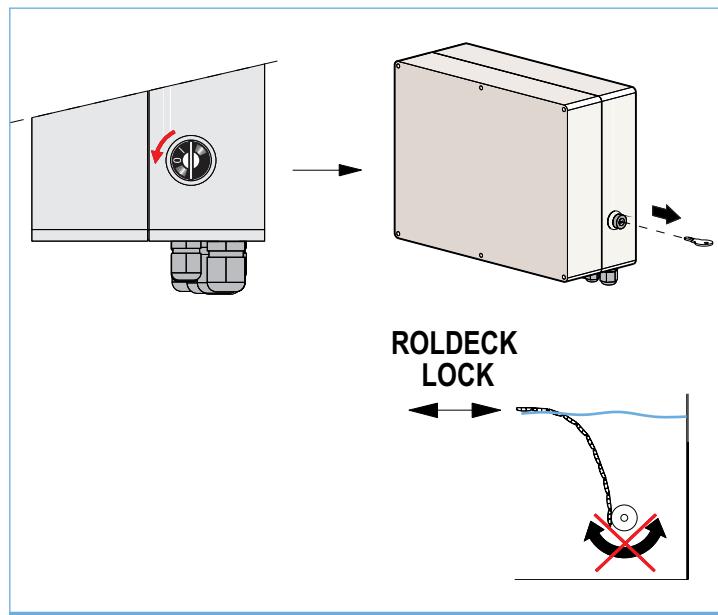
	Function	Description
A	“Mode” – key	By pressing this key for more than 3 seconds, will direct you in the set-up menu. For example you can see: <ul style="list-style-type: none"> • Information of the controlbox • Calibrate temperature • Programming extra remote controls • Setup time and date
		By pressing this key one time short, will set your pool lights on or off. When on and pressing the key twice will switch between the color by LED RGB.
		Auto Lock function: After 15 minutes “locked” unlock the S-switch by pressing the menu key a few seconds.
B	Key “Open” / “Close”	By pressing this key the Roldeck will run.
C	Key “Open” / “Close”	By pressing this key the Roldeck will run.
D	Control – “Open” / “Close”	Status reading the Roldeck and other functions.
E	Time	Time indication
F	Temperature	Water temperature reading (optional)
G	Indicator symbols	Indicates for example lights or jetstream are on.

4.5 Operating the key switch



PLEASE NOTE:
To operate the Roldeck the key switch must be in position 1.

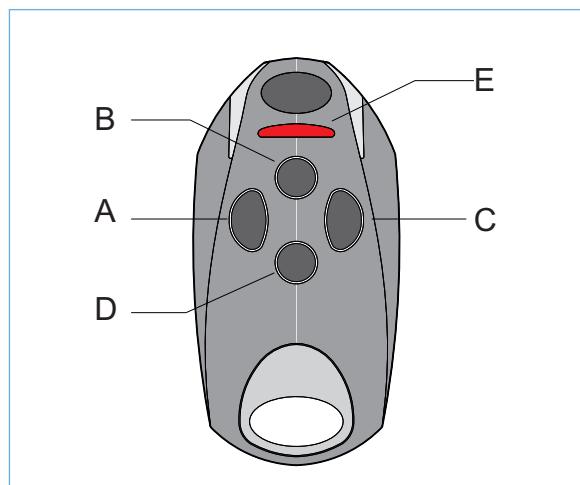
If the key switch is in position 0 it works as emergency stop and the Roldeck is not operable. (childproof safety)



4.6 Remote Control

- A Roldeck open / stop / close.
- B Pool light
- C Jetstream
- D Garden Light
- E LED: will indicate that the remote control is functioning.

Roldeck open / stop /close (A).
With the button (A) the Roldeck can be “opened” or “closed”.



Notes



- Be sure you can see the swimming pool when opening and closing;
- A delay was built into the closing function.

5 Programming the Roldeck Control with S-Switch

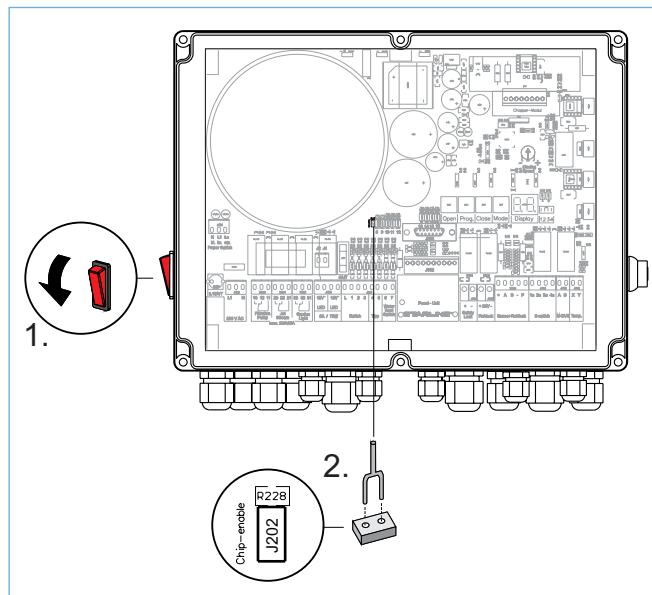
5.1 Roldeck Control

Programming of the Roldeck control occurs with the help of the S-switch control panel.

- First turn on the Roldeck Control by means of the red button (1) and connect the jumper of the RD2013 into socket (2).

 Leave the jumper connected during use.

 Programming the Roldeck with automatic lid is not possible on the S-switch!

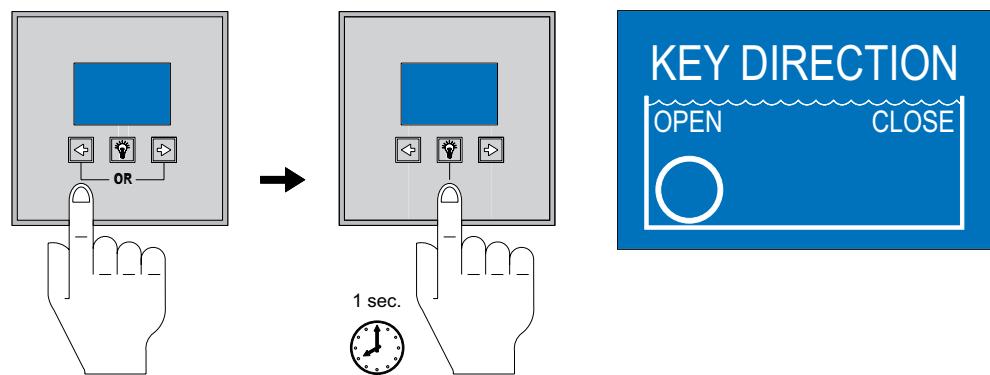


The display shows the following picture "programming" the Roldeck.

The running direction of the Roldeck can be changed.



During first programming use the arrow keys ⇄ or ⇌ to change the running direction. Press the middle key "light symbol" shortly to save the running direction.

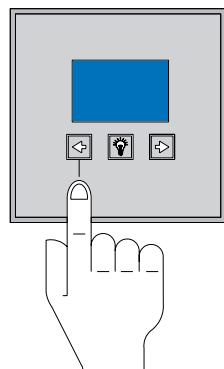


The display shows the following picture
Now there can be started with
programming the “OPEN” position of
the Roldeck.

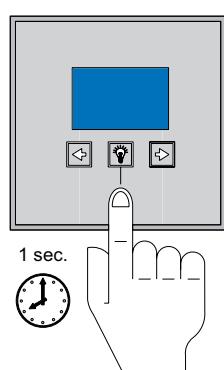
The running direction of the Roldeck
is indicated by the arrow ⇲.
The “✗” indicates that the engine is not
recognized.
By pressing the arrow key ⇲ the motor
will be detected.



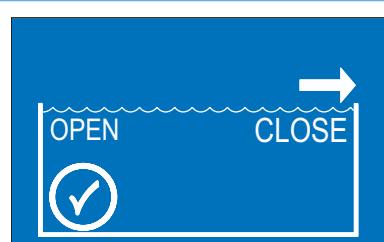
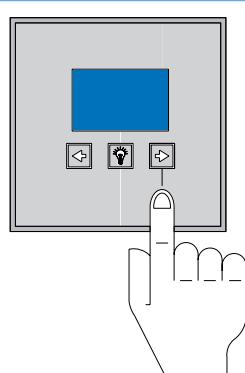
The “OPEN” position is programmed by
pressing the arrow key ⇲. Press the arrow
key ⇲ until the Roldeck fully opened.
The arrow above the position “open”
position flashes.
The type of drive motor is automatically
recognized.
This is shown with the “✓” symbol.



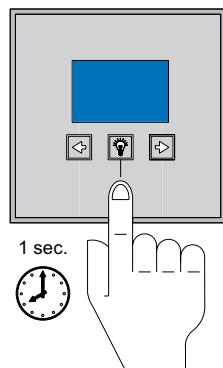
Press the middle key “light symbol“
once to save the “OPEN” position.
The hourglass “⌚” shows a short
waiting time.



Subsequently, the “CLOSE” position
should be programmed. The display
will ask you automatically.
Press and hold the arrow key ⇢ until
the Roldeck is completely closed.

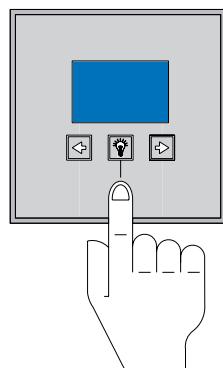


Press the middle key “light symbol” again once to save the “CLOSE” position. The hourglass “⌚” shows again a short waiting time.



When the Roldeck is programmed, the display changes to the programming menu.
The “✓” indicates that the programming was successful.
Go to exit and press the middle key “light symbol” to finish this program.

Also remove the jumper on the PCB of the controller!
For “fine” tuning Roldeck see following pages.



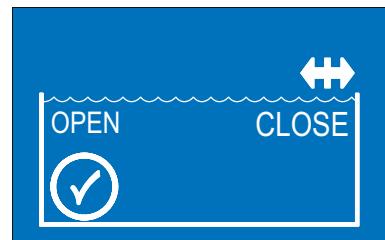
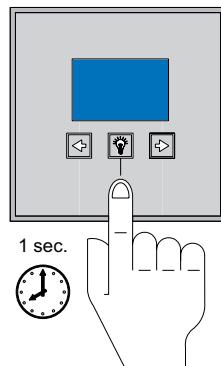
5.2 Fine tuning the Roldeck with the S-Switch

With the S-switch now only the fine tuning of the Roldeck can be performed.

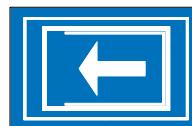
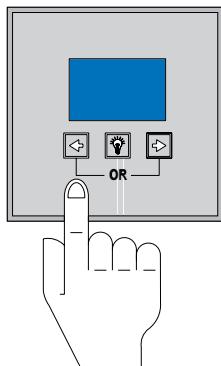
Press the right arrow to go to the menu “fine tuning” and confirm the menu by pressing the lamp symbol. Now the fine tuning can be performed. The position of the Roldeck can now only be changed by pressing the arrow keys \leftrightarrow or \Rightarrow .



By pressing the middle key “light symbol” shortly the fine tuning is called (\leftrightarrow flashes). The Roldeck is in the “CLOSE” position, this indicates that fine tuning is possible for the position “close”.



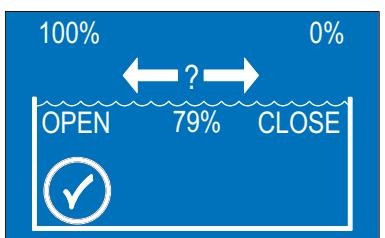
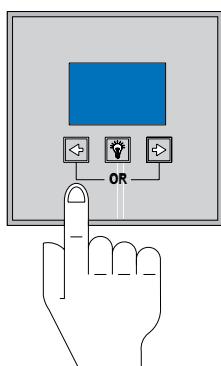
The Roldeck is brought to the correct position with the arrows \leftrightarrow “OPEN” or \Rightarrow “CLOSE”.



OPEN

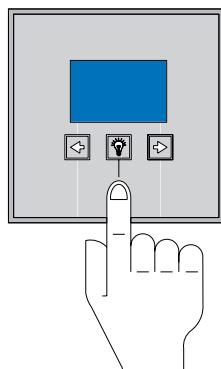
CLOSE

The fine tuning of the Roldeck is shown as a percentage.



The position of the Roldeck is saved with the “light symbol” key.

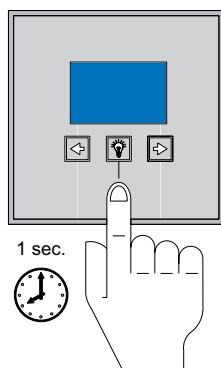
After programming of the fine tuning, the S-Switch shows if the programming is correct or incorrect successful. With a correct programming a “✓” is displayed.



When the programming is good the “Exit” symbol can be chosen to exit the program by pressing the arrow keys \leftarrow or \rightarrow . Then press the middle key “light symbol” shortly to exit the program.

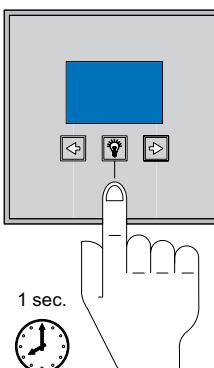
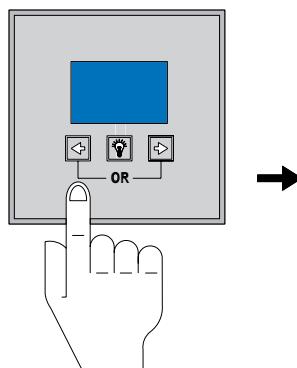
The programming is complete.

Also remove the Jumper “B” from the circuit board of the control.



Incorrect programming shows “ \times ”. This is possible when only one or no position is programmed.

If an incorrect program, the program must be removed first. Use the arrow keys \leftarrow or \rightarrow (PROG “ \times ”) and then press the lamp symbol. The program is deleted. Start again with programming the Roldeck.



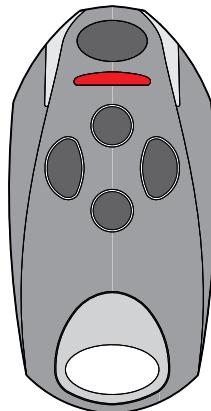
5.3 Programming Remote Control

The remote control transmitter is pre-programmed.

If the transmitter is replaced, or if the number of transmitters is expanded, follow the procedure below.



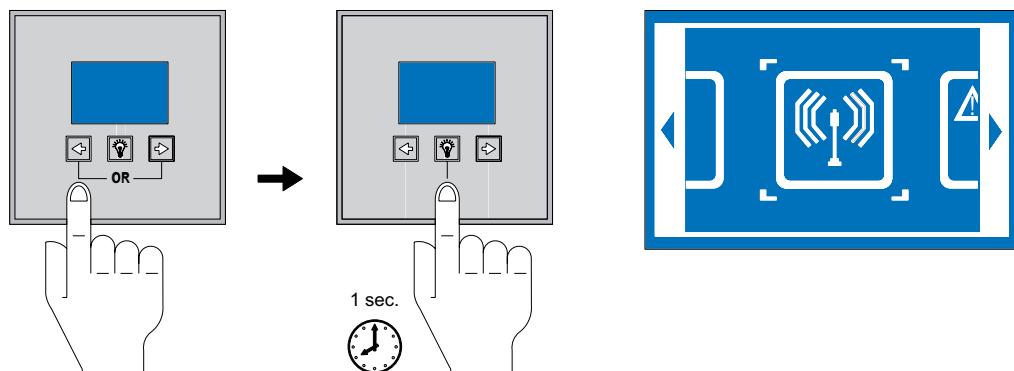
Make sure that the transmitter and the receiver will not be more than 5 meter distance from each other during programming.



To register the remote control, enter the menu settings of the S-Switch by pressing the the middle key “light symbol” for 3 seconds.

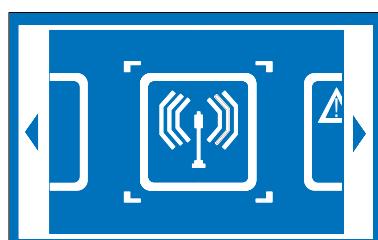
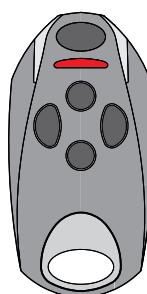
With the arrow keys ⇄ or ⇌ of the S-Switch all other menu items can be selected.

Select the symbol “Antenna” and confirm this by pressing the “lamp symbol”.



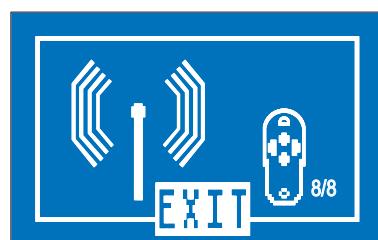
The symbol “Antenna & Remote Control” is now active.

To program the transmitter keep one of the four buttons pressed on the remote control. When the transmitter is recognized, the menu “Program channel” closes immediately.



Transmitter / receiver have been programmed.

Up to 8 transmitters can be programmed. In the right bottom of the display the number of programmed transmitters is shown.



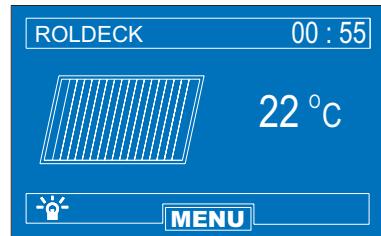
Functions Remote Control

Pool lights (B).

With the button (B) the pool lights can be switched on or off. When the pool lights are on, and the Roldeck is running, the pool lights are switched off. After the Roldeck has stopped the pool lights will switch on again.

The light symbol in the display lights up.

Press button B to switch on the pool lights, then press button for a few seconds to switch between the color by LED RGB.



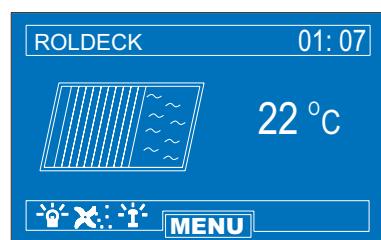
Pool lights ON

Jetstream (C) and garden lighting (D).

These functions can only be switched on and off with the remote control.

By pressing the button on the remote control the function will be switched on.

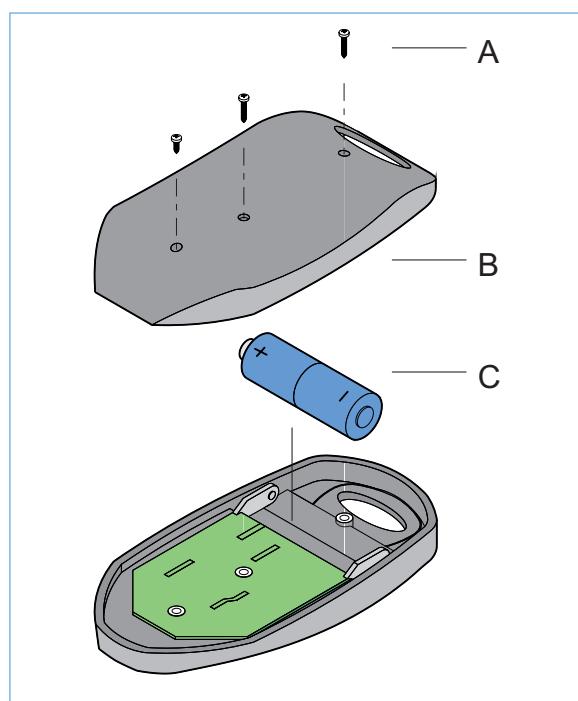
By pressing the button on the remote control again the function is switched off.



Garden light ON
Jetstream ON

Battery replacement

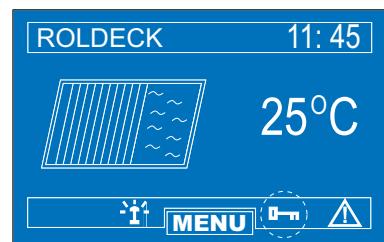
- Remove the 3 screws (A) from the bottom of the housing.
- Remove the bottom plate (B).
- Replace the battery with the same item (A23 12 V).
- Watch the polarity.



Frequency: 433.92 MHz.

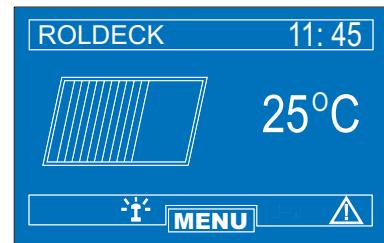
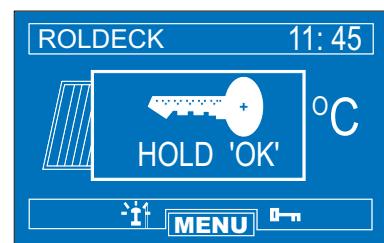
5.4 Releasing Keylock S-Switch

The display shows the keylock active.



When pressing 1x at any key, the "KEY LOCK HOLD OK" overlay screen will appear automatically after 15 minutes (timeout).

If the display shows "KEY LOCK HOLD OK" press the OK button for 3 seconds, to unlock.



5.5 AutoLock function

By pressing the middle key “light symbol” for 3 seconds the menu of the S-switch opens.

By touching the arrow keys \leftarrow or \rightarrow briefly you can scroll through the menu.

Select the symbol “time” and confirm this with the “light symbol”. It is now possible to switch on/off the AutoLock function.

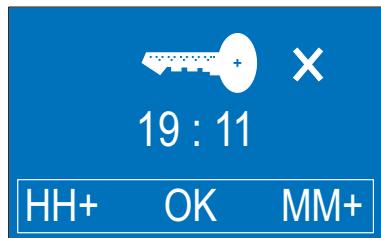
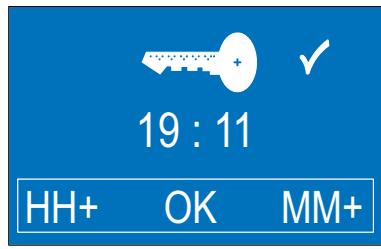
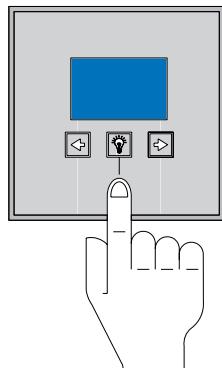
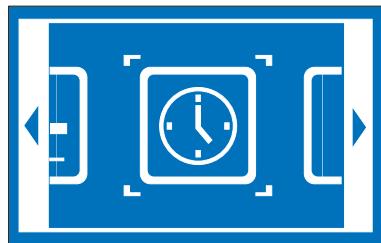
By touching “light symbol” the AutoLock function can be switched on or off.

The time is set by using the arrow keys \leftarrow or \rightarrow .

Symbol “ \leftarrow ” setting hours, Symbol “ \rightarrow ” setting minutes

Then confirmed the time by pressing the key “light symbol” for 3 seconds.

The menu returns to the symbol time.

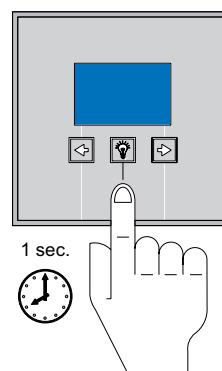


5.6 Changing position of the Roldeck (afterwards)

First turn on the Roldeck Control by means of the red button and connect the jumper of the RD2013 into socket.

The position of the Roldeck can be changed after programming by pressing the lamp key of the S-Switch.

Then go to exit.

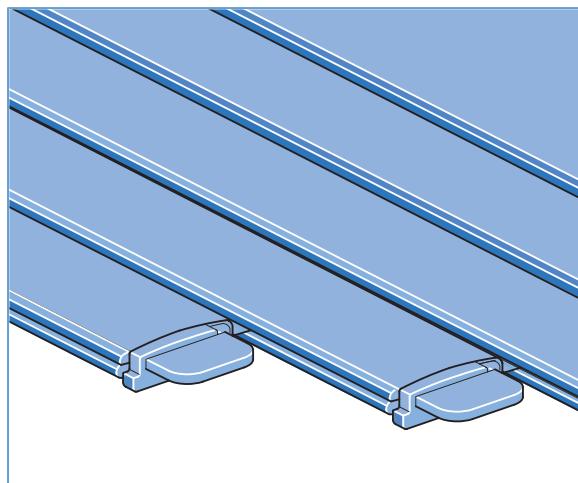


6 Cleaning and Maintenance

6.1 Slats

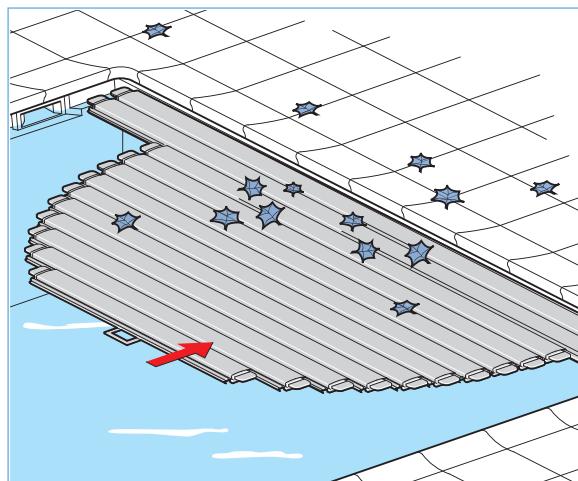
Clean the slatted cover at least twice a year with a high-pressure cleaner and a hard brush. Algae growth on the slats can develop itself both on the top side and the bottom side of the Roldeck.

- The water circulation system (filter system) must run during daytime when solar or transparent slats are being used. Because with these types of slats heat will concentrate underneath the cover which will cause the slats to wear more quickly or even cause deforming of the slats.
- Use a high pressure cleaner carefully.
- The slats may not be exposed to sunshine for any length of time when they are not in contact with the water.



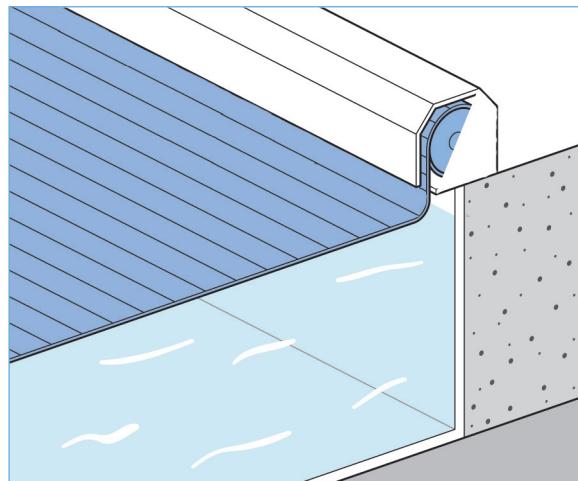
6.2 Debris

Remove leafs and other debris before closing. This will prevent the cover pit from getting too dirty.



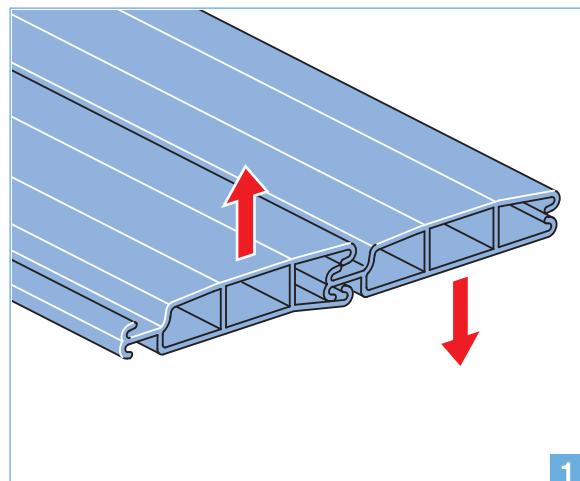
6.3 Housing

Clean the housing with a high pressure cleaner and a soft brush or sponge.

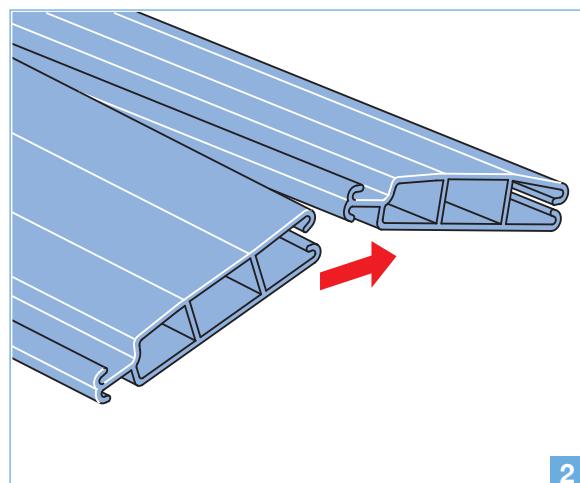


6.4 Disassembling slats

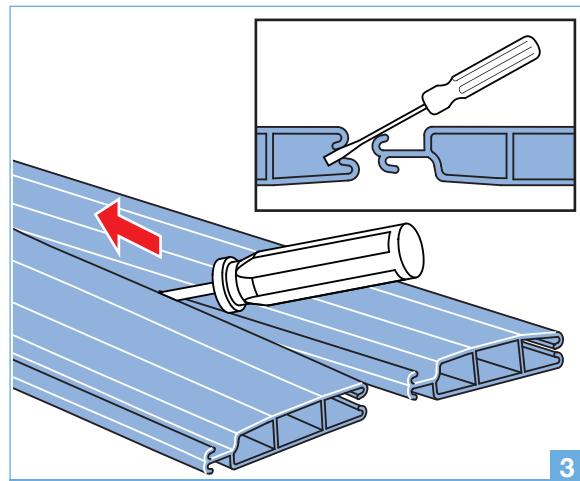
Upward the left slat in relation to the right slat (this can be reversed), the upper hook latch of the right slat can come out of the lock. Next, the lower hook latch can be taken out of the lock.



The slats can now be divided across a length of about 10 cm.

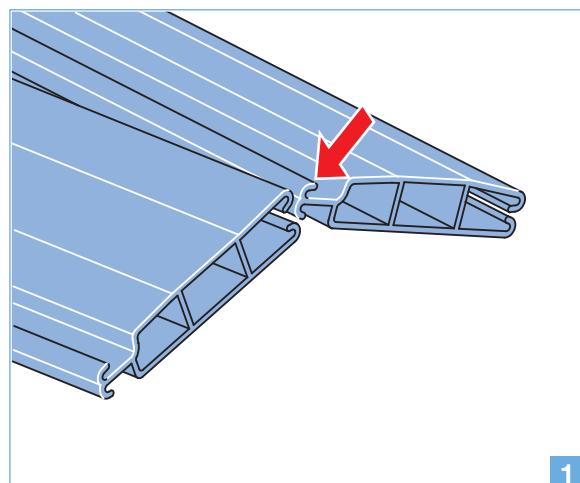


Use a screwdriver to divide the slats across the entire length.



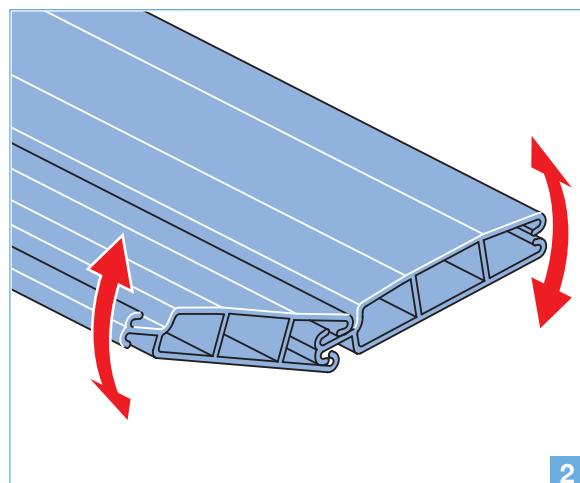
6.5 Assembling slats

Bring the slats together. Latch the hook latches together, starting with the lower hook latch of the right slats (this can be reversed).



1

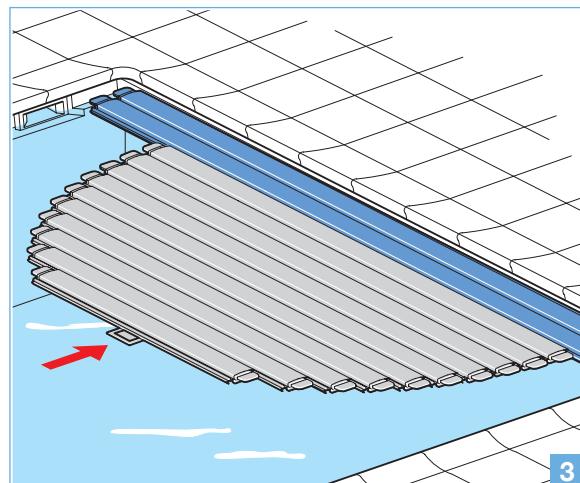
Try to make the connection across the entire length of the slats by moving up and down.



2

Note

 Slide the Roldeck towards the edge as close as possible. This will simplify replacement of the slats.

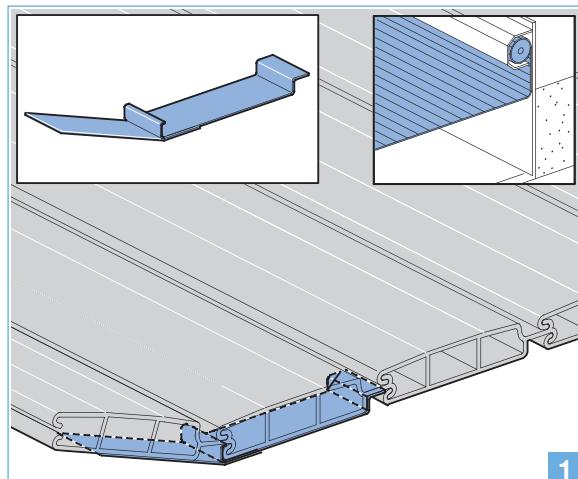


3

6.6 Clips and Brackets

Non-slip guiding bracket

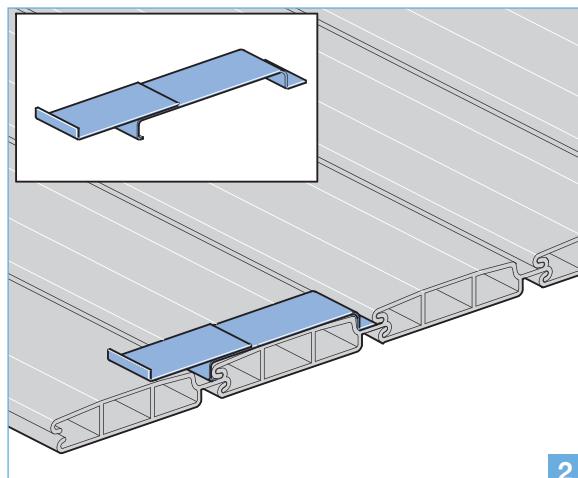
The purpose of the directional guide handle is to have the slats, when these go into the water based on an assembly instruction, go in the right direction. The first slats will be under an angle in relation to the second slats due to the clip, so that a bow will be formed like with a boat.



1

Non-slip Clip

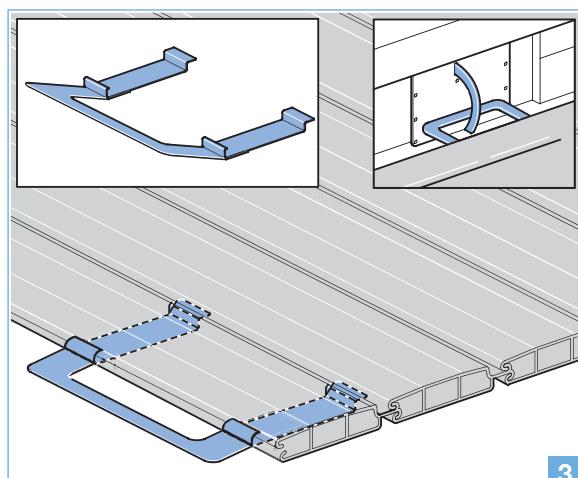
The non-slip clip is intended to prevent sliding of the slats into the recess in case of a roldeck with extremely shaped walk-in stairs. If the end customer finds it, he should warn the installer to reposition the clips. It is very hard for the end customer to determine the correct position.



2

Child Safety Handle

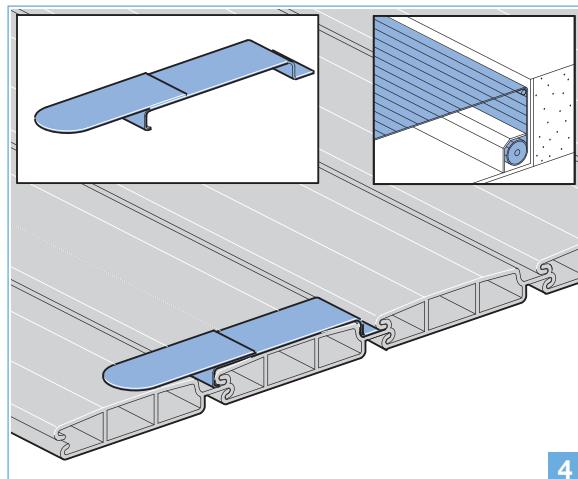
The child safety handle has been mounted onto the first slats and it serves as locking hole for the child safety lock's hook latch, in order that the roldeck cannot be pushed open.



3

Roldeck guiding bracket (below-ground system)

The function of the directional guide handle fitting is to guide the slats that come upward out of the water into the correct direction. As the clip was mounted onto the second slats, the rounded part will ensure that the first slats can only pivot one way.



6.7 Descaling

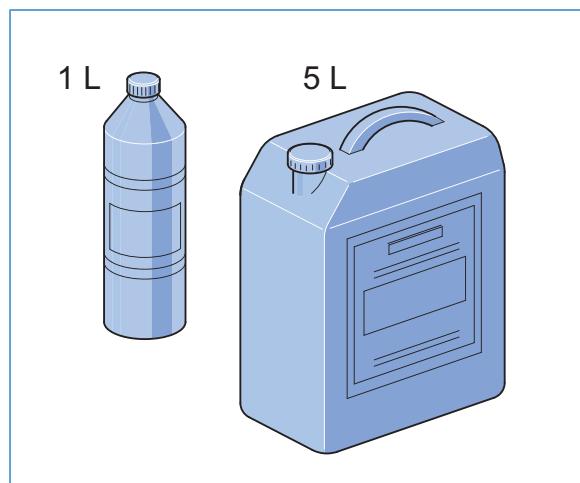
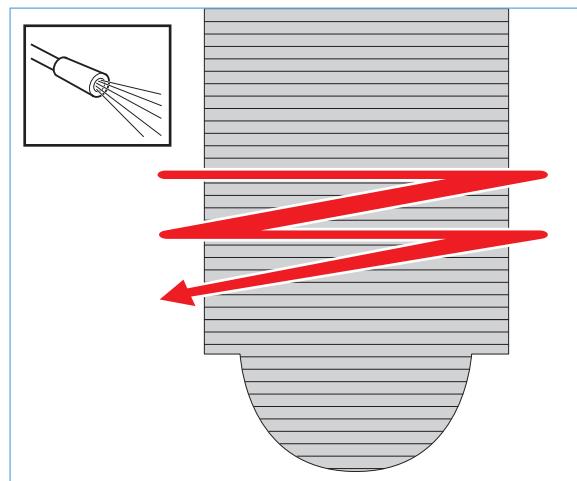
Slat scale can develop itself on the top side of the slats.

- Moisten the cover slats by spraying the descaler across the cover with a sprayer (1 liter per 10 m²).
- Let the descaler act on the surface for about 1 or 2 hours.
- Spray the roldeck in bands from left to right in order to spray all calcium out of the cavities. Brush the slats first with a scrubber if necessary.
- Vacuum the swimming pool to remove debris that has formed due to the cleaning.
- After this, backwash the filter.
- Recover the water pH value by adding Starline pH+.

The decalcifier will disappear from the water in a day.



Handle the pressure washer with care



WARNING:

- First read the instructions on the packing before using.
- Keep descaler out of the reach of children.
- Keep descaler away from food, drink and animal feeding stuffs.
- Avoid contact of descaler with the skin.
- Avoid contact of descaler with the eyes. In case of eye contact, immediately rinse with plenty of water and get expert medical advice.
- Make sure when using a sprayer that the swimming pool terrace will not be corroded by descaler.
- After descaler use, wait at least two hours before putting the swimming pool into use again.
- If descaler is used repeatedly, use an intermediate period of about 1 or 2 days on account of water economy.
- Dispose of both the material and the packing as chemical waste.

7 Failures

7.1 Overview failure Messages RDEB2013

Consult the failure table below in cause of a display error.

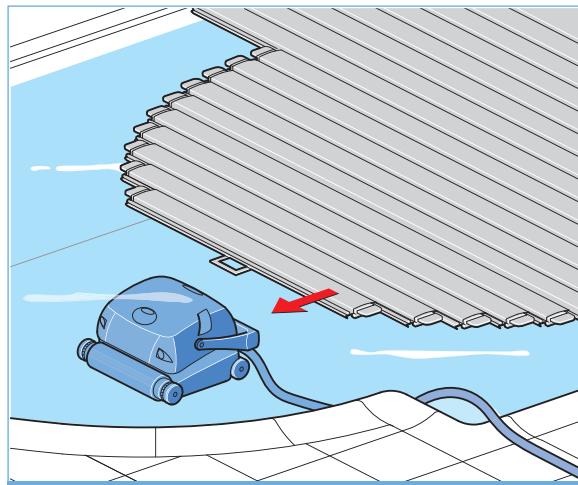
Contact the installer if necessary.

Display Error	Description
F01	<ul style="list-style-type: none"> No sensor signal by start motor
F02	<ul style="list-style-type: none"> No sensor signal during running for ≤ 1 second
F03	<ul style="list-style-type: none"> Wrong direction of rotation (50 pulses in the wrong direction)
F04	<ul style="list-style-type: none"> Short-circuit (motor current > 30A)
F05	<ul style="list-style-type: none"> Too much current (motor current for 10 s > 9.5 A)
F06	<ul style="list-style-type: none"> Runtime error (Roldeck > 900s, bottom lid > 120s)
F07	<ul style="list-style-type: none"> Oversupply voltage (motor voltage for 5s > 45V)
F09	<ul style="list-style-type: none"> Overtemperature chopper module (temp > 100 ° C)
F10	<ul style="list-style-type: none"> Sensor short circuit (sensor inputs A & B)
F11	<ul style="list-style-type: none"> Sensor error (both sensors are different)
F12	<ul style="list-style-type: none"> Absolute oversupply voltage (motor voltage > 60V)
F21	<ul style="list-style-type: none"> Water Level Sensor Input Open (RD Model: SK)
F22	<ul style="list-style-type: none"> Key switch off "0"
F31	<ul style="list-style-type: none"> Under pressure Roldeck driver, low pressure in in-roller motor Roldeck
F32	<ul style="list-style-type: none"> Under pressure liddriver, low pressure in in-roller motor of moveable bottom flap

For error F04, F11 and F12: switch control off

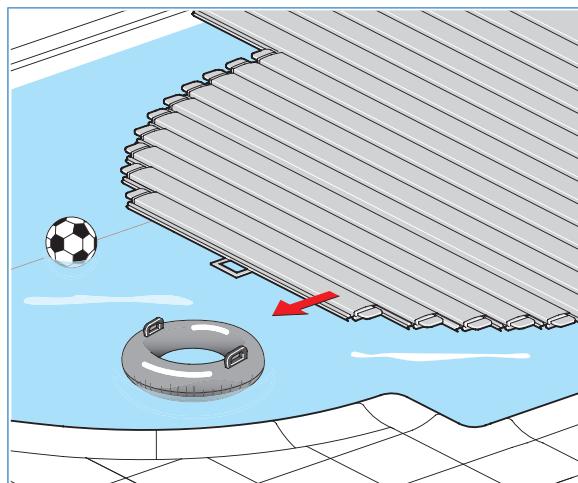
7.2 Failure Prevention

- ⚠** Make sure the bottom vacuum hose or cable will not be pulled along when moving the Roldeck.



Obstacles

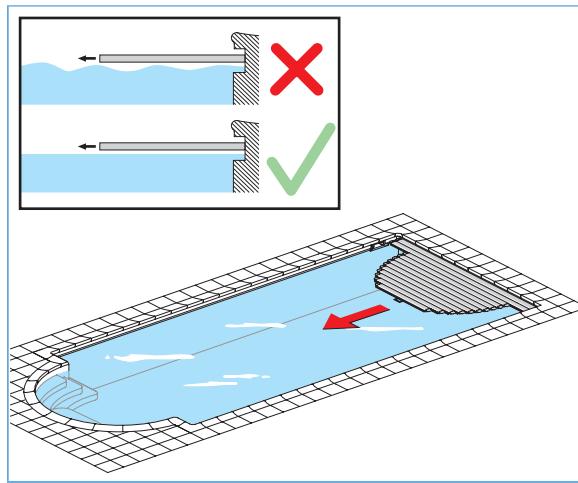
Remove all floating objects from the water and from the Roldeck before opening and closing.



Wave Action

Don't close until water wave action has disappeared and the water is behaving calmly.

- ⚠** Wait a minimum of 30 seconds.

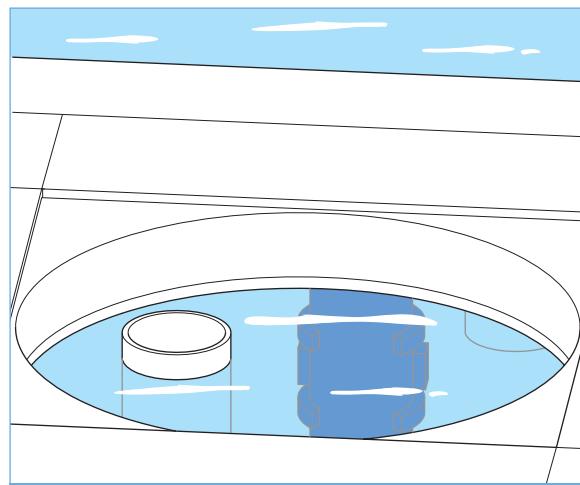


7.3 Water Level Control

Level Control

The water level control is a combination of a Starline level control and an overflow. The water level control's purpose is to level optimally the swimming pool's water level.

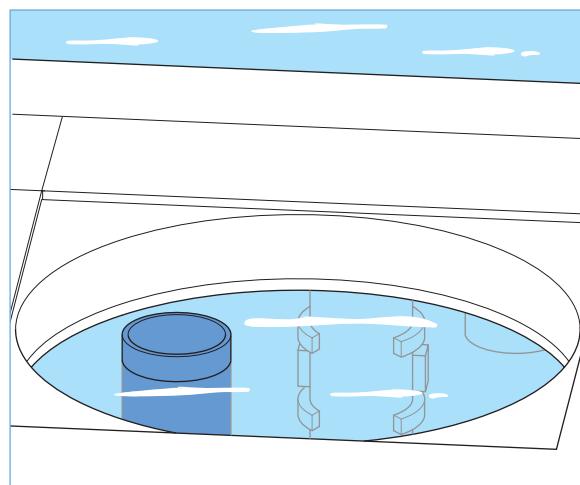
Keep the water level at the correct level, in order that the Roldeck doesn't experience any hindrance from edge stones, the safety edge or gripping bars.



Overflow

The overflow in the skimmer makes sure excess water will immediately drain into the waste pipe.

The correct water level will be set by the installer.

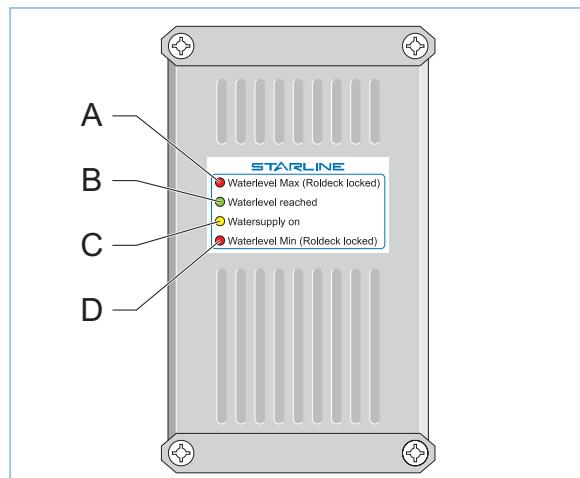


Level Control

The level control is fitted with 4 LED indicators:

- A Max. water level (Roldeck cannot open or close)
- B Water level correct
- C Water supply enabled
- D Min. water level (refer to A)

If all LED's light, the level control has run for 12 hours continuously; if LED A+D light, there is a miscommunication between the sensor and the level control. Consult your installer in that case.



7.4 Manual Roldeck Operation

If the Roldeck motor fails due to a malfunction with one of the sensors (error code is readable in LED display or s switch).

The function of the sensor can be switched off by means of a button combination together with the jumper.

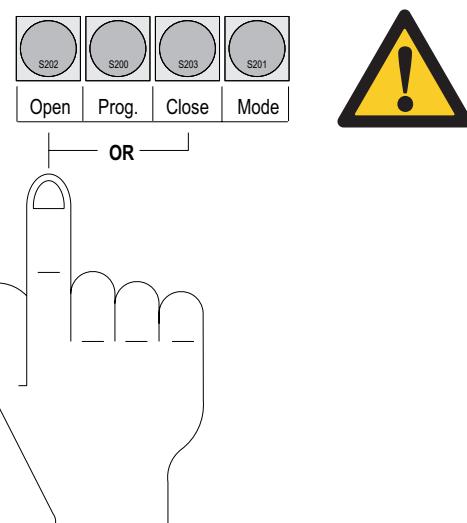
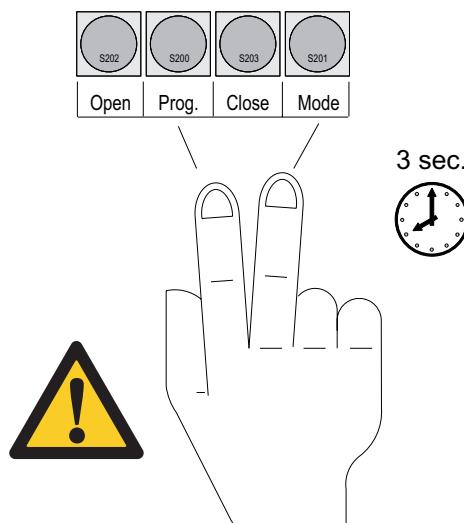
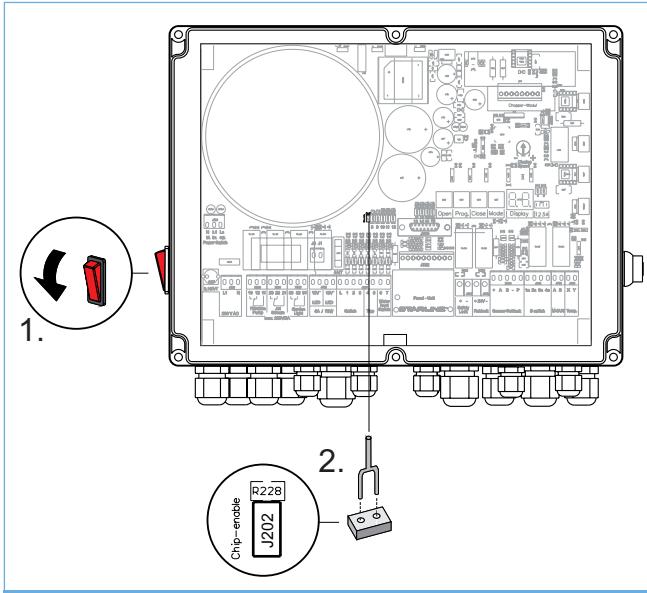
First turn on the Roldeck Control by means of the red button (1) and connect the jumper of the RD2013 into socket (2).

Than push the buttons "prog" and "mode" simultaneously for 3 seconds in a row.

The manual Roldeck Control function is only meant in case of need, by using this control the pre-programmed OPEN and CLOSE position will be erased from the memory of the Roldeck Control unit. After the problems are solved the OPEN and CLOSE position must be programmed again.

Subsequently the Roldeck can be controlled manually by pushing the "open" and "close" button in the control box until the desired position is reached.

When the button is released, the Roldeck stops automatically. Pay attention when opening or closing the Roldeck that the Roldeck doesn't move too far.



8 Technical Specifications

Slats material	Hard PVC / PC	
Slats weight	4,8 kg/m ² - 5 kg/m ²	
Available colors	White Blue Gray Cream Translucent (especially suitable for internal swimming pools) Solar (especially for external swimming pools)	
Control	RDEB2013 Microprocessor-controlled (EEPROM) 230 V / 24 V	
Drive mechanism	24 V separate driving motor / In-roller motor	
Insulation value	4 - 6 W/m ² K (depends on wind speed/direction)	
Energy saving	Internal pool	up to 70 %
	External pool	60 - 80 %

8.1 External Motor / In-roller motor

Model	
Construction year	
Serial number	

8.2 RDEB2013

Model	
Construction year	
Serial number	

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1 Allgemeines

1.1 Zweck dieser Anleitung

Diese Anleitung beschreibt den täglichen Gebrauch des Starline Roldecks.

Lesen Sie die Anleitung sorgfältig durch. Jeder Benutzer muss den Inhalt dieser Anleitung kennen. Folgen Sie den Anweisungen dieser Anleitung möglichst genau.

Die Handlungen sollten immer in der richtigen Reihenfolge durchgeführt werden.

Bewahren Sie diese Anleitung an einem festen Ort, in der Nähe des Steuerschranks auf. Falls Sie die Anleitung verlieren, können Sie beim Lieferanten ein neues Exemplar bestellen.

1.2 In dieser Anleitung verwendete Symbole

In dieser Anleitung werden die folgenden Symbole und Piktogramme verwendet:



ACHTUNG!

Prozeduren, die besondere Aufmerksamkeit verlangen.



WARNUNG!

Nicht darauf stehen.

1.3 Entsorgung und Umwelt

Wenn das Roldeck einmal ausgedient hat, muss es gemäß den lokalen gültigen Regelungen entsorgt werden.

Fragen Sie beim Reinigungsdienst nach den Möglichkeiten der Wiederverwendung und der umweltfreundlichen Verarbeitung des Produktes und der Verpackung.

1.4 Service und Unterhalt

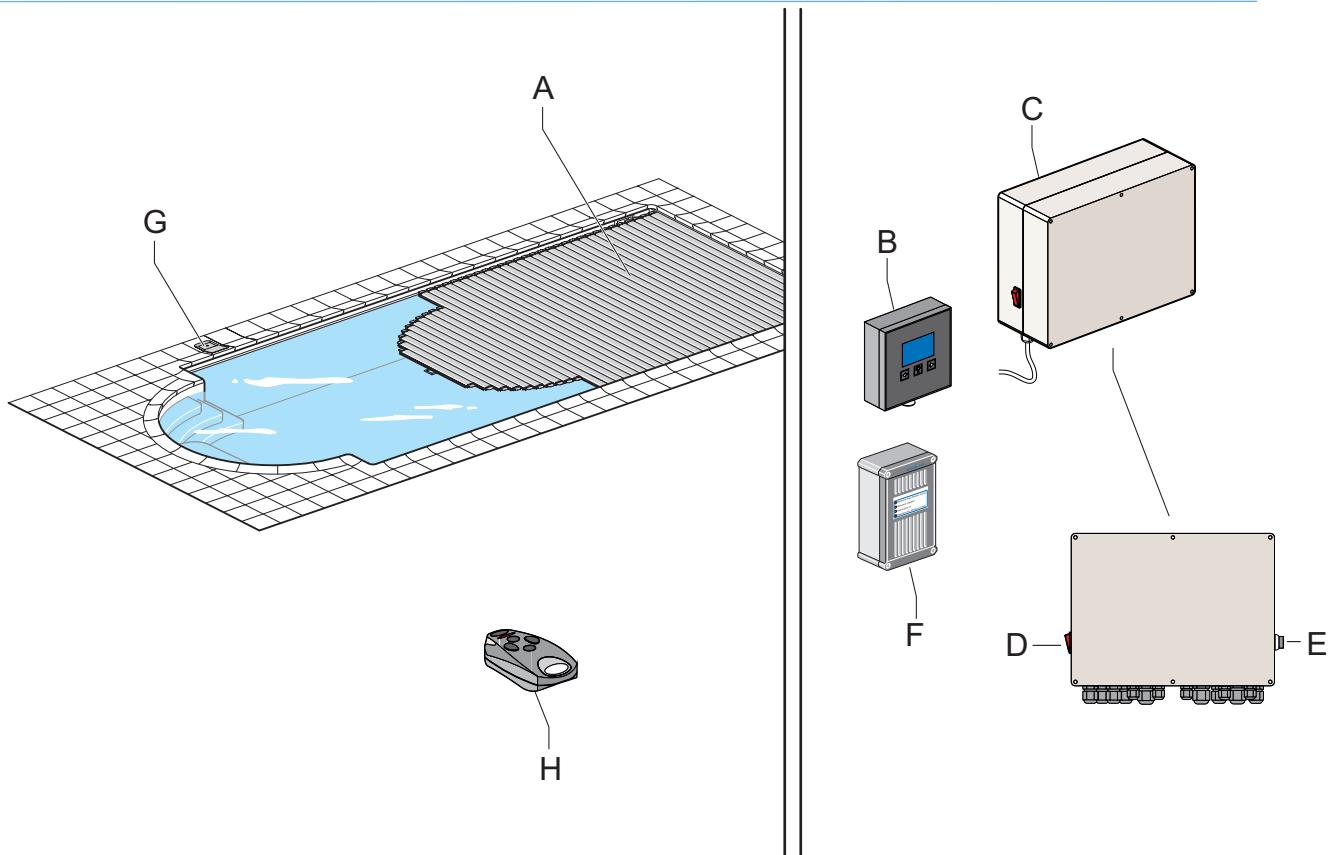
- Lassen Sie die Roldeckanlage mindestens ein Mal im Jahr von Ihrem Installateur kontrollieren.
- Störungen am Roldeck sollten immer dem Installateur gemeldet werden.
- Nicht verwendete Lamellen müssen gegen direkte Sonneneinwirkung geschützt werden.

Die Lamellen können sich verformen. Der Kunststoff kann sich aufweichen. Dies kann Störungen des Roldecks verursachen.

1.5 Garantiebestimmungen

Siehe das Starline-Garantieheft.

2 Übersicht

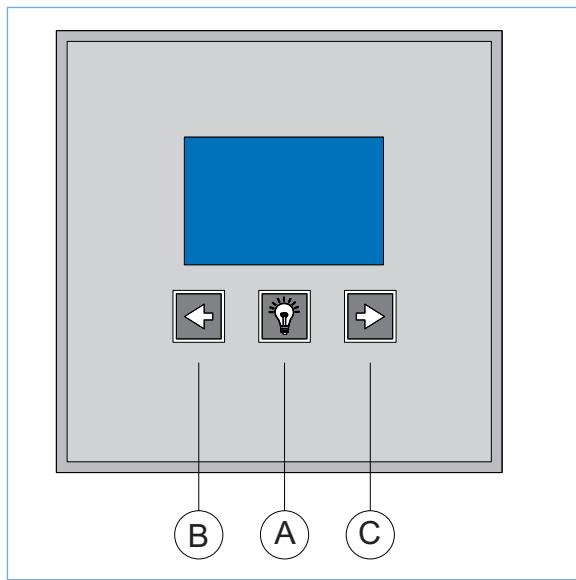


- A Roldeck
- B S-Schalter Bedienungstafel
- C Roldecksteuerung
- D Ein-/Ausschalter
- E Schlüsselschalter / Notstopp
- F Standregelung
- G Standmesspunkt
- H Fernbedienung

3 Sicherheit

3.1 Notstop

Wenn der Schlüsselschalter am Schaltkastens auf 0 steht wirkt er als Notstop, und das Roldeck kann nicht durch unbefugte Personen bedient werden. Das Betätigen der Taster A, B oder C wirkt ebenfalls als Notstop, wenn der Motor läuft.



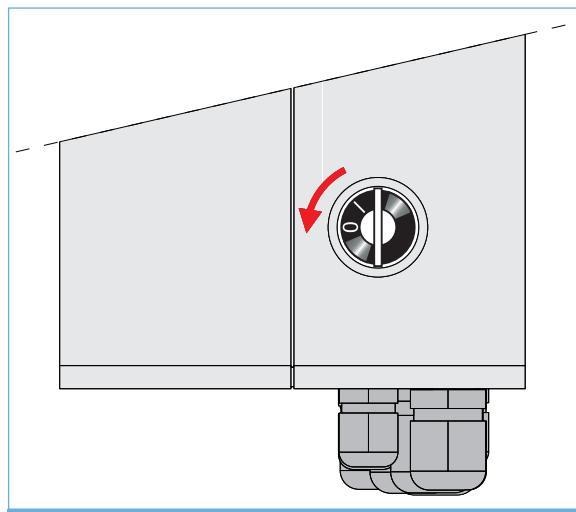
3.2 Bedienung

Um das Roldeck bedienen zu können, muss der Schlüsselschalter in Stellung 1 stehen.

Den Schlüsselschalter immer auf 0 stellen, wenn das Roldeck geöffnet ist. In Stellung 0 funktioniert der Schlüsselschalter als Notstop und kann das Roldeck nicht bedient werden (Kindersicherung).

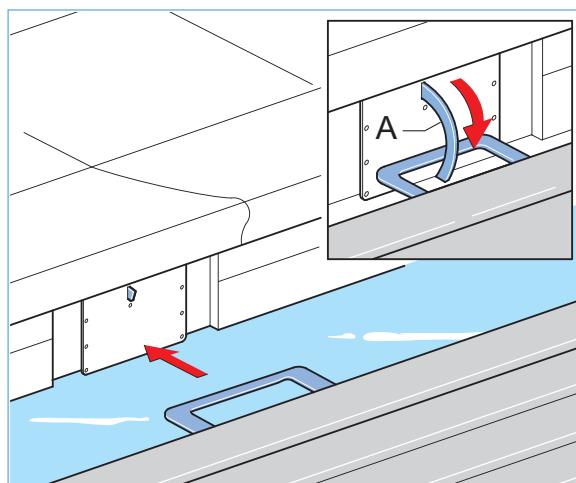


Beim Schliessen des Roldecks sollten keine Personen oder Gegenstände im Schwimmbad anwesend sein.



3.3 Kinderverriegelung

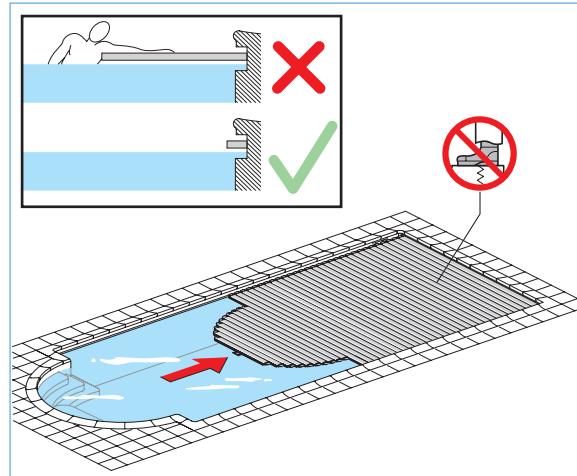
Die Kinderverriegelung (A) ist eine automatische Verriegelung, die verhindern soll, dass Kinder das Roldeck willentlich oder ungewollt aufstossen. Kontrollieren Sie die richtige Funktion jedesmal nach dem Schliessen. Der Wasserstand ist massgebend für die richtige Funktion. Wenn die Höhendifferenz zu gross ist, fällt der Haken nicht gut in die Verriegelung.



3.4 Roldeck

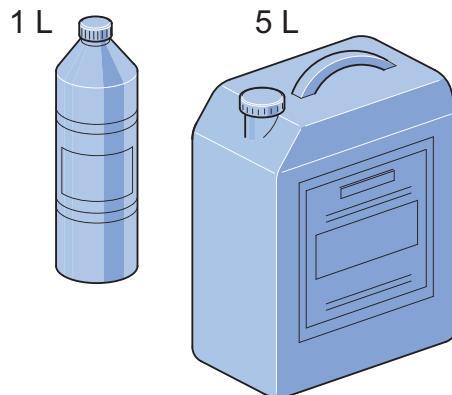
Stellen Sie sicher, dass das Roldeck immer vollständig geöffnet ist, wenn das Schwimmbad benutzt wird. Wenn das Schwimmbad bei teilweise oder vollständig geschlossenem Roldeck benutzt wird, können die Personen Verletzungen erleiden und/oder das Roldeck kann beschädigt werden.

 Nicht auf dem Roldeck stehen/
laufen.



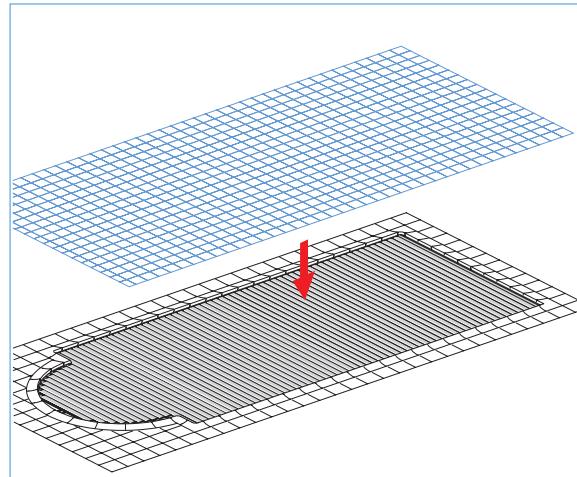
3.5 Entkalken

Siehe die Anweisungen auf der Verpackung vor dem Gebrauch.



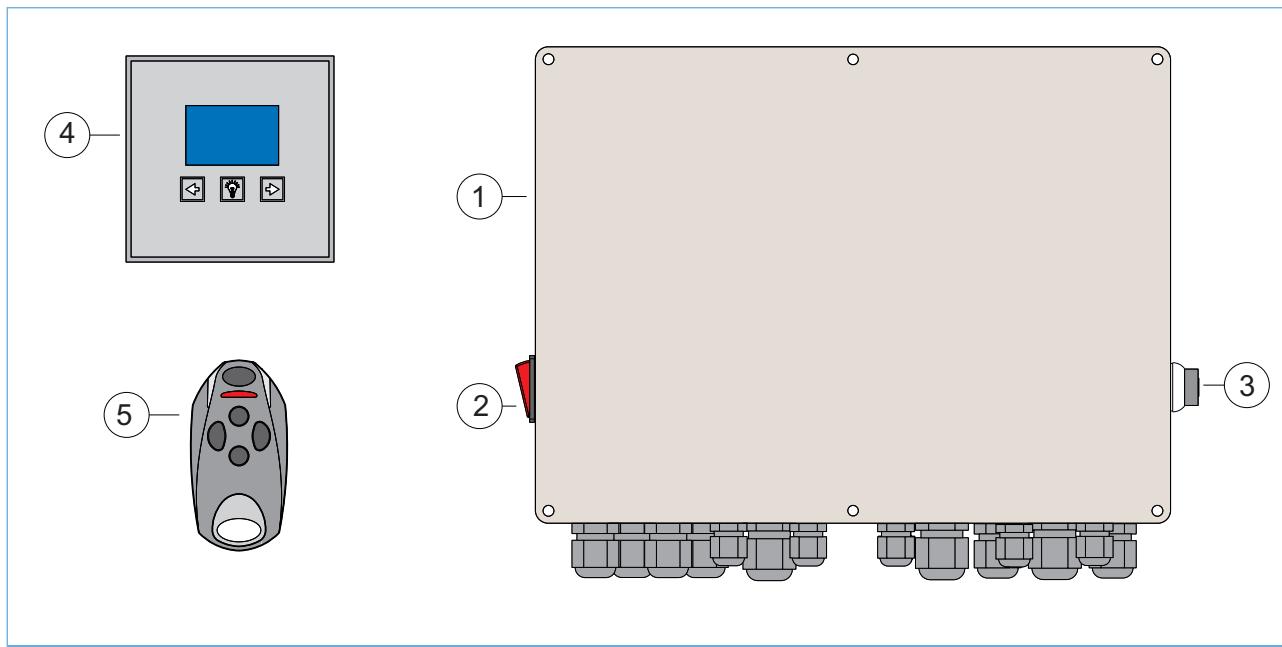
3.6 Vorbereitung für den Winter

- Das Winternetz beim offenen Roldeck führt zu gefährliche Situationen. Nach dem Schneefall ist das Schwimmbad nicht immer sichtbar.
- Wenn Sie das Winternetz mit dem geschlossenen Roldeck verwenden, wird letzteres zwar verschmutzt, aber die Sicherheit ist besser gewährleistet.



4 Bedienung

4.1 Übersicht über die Steuerung



- 1 Roldeck Schaltkasten RDEB2013
- 2 Ein-/Ausschalter
- 3 Schlüsselschalter
- 4 S-Schalter Bedienungstafel
- 5 Fernbedienung

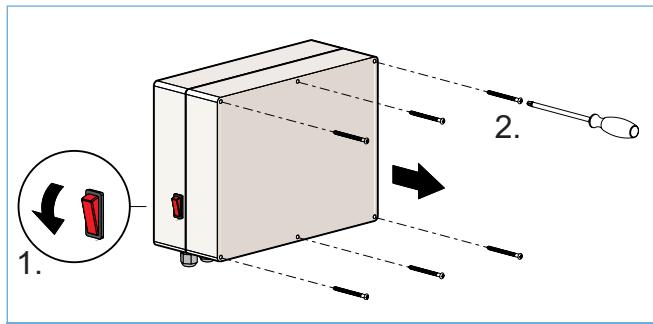
4.2 Die Entfernung des RDEB2013 Frontpanel

DIE ENTFERNUNG DES RDEB2013 PANEL



ACHTUNG:

1. Vor dem Öffnen des Gehäuses muss das Gerät spannungslos gemacht werden.
2. Die 6 Schrauben im Panel des Schaltkastens demontieren.
Den Deckel vom Schaltkasten nehmen.



AUSTAUSCHEN DER PANEL

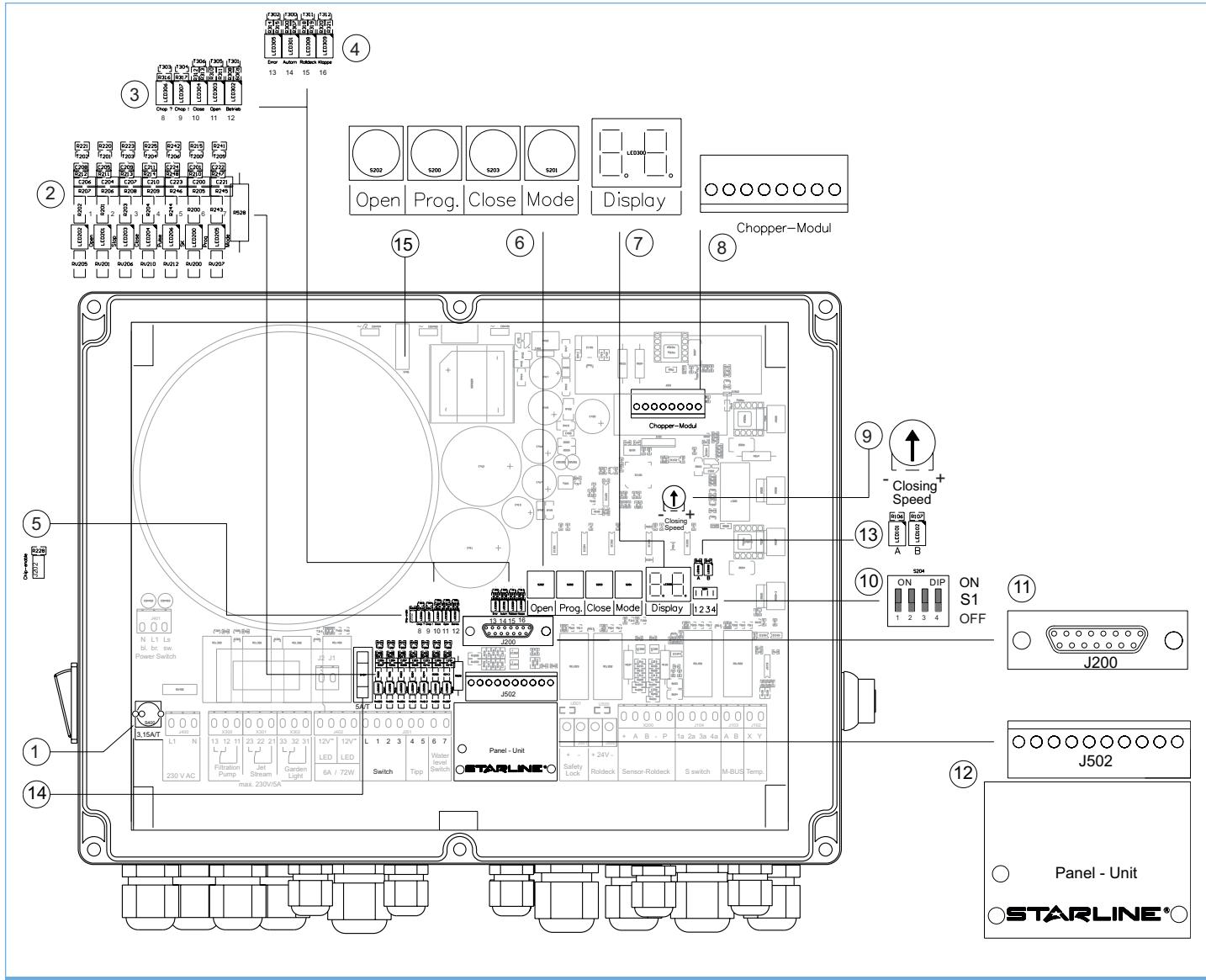
Den Deckel wieder auf das Gehäuse setzen und die Schrauben kreuzweise anziehen.



ACHTUNG:

Darauf achten, dass der Deckel das Gehäuse gut abschließt, da es andernfalls im Gehäuse zu Kondensation kommen könnte, die Schäden an der RDEB2013 führen kann.

4.3 Übersicht den Schaltschrank RDEB2013

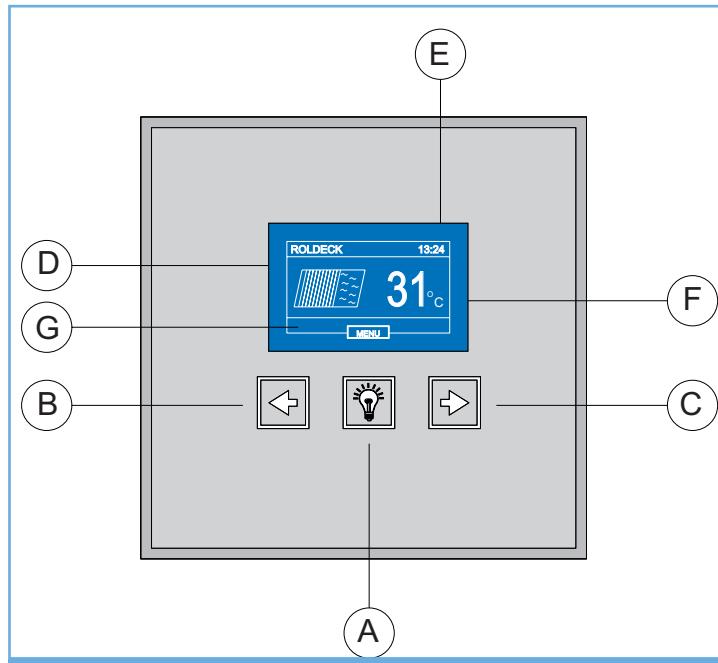


- 1 Primärsicherung 230V / 3.15 A /T
- 2 LED 01 t/m 07
- 3 LED 08 t/m 12
- 4 LED 13 t/m 16
- 5 Jumper-Anschluss (für das Programmieren)
- 6 Programmiertasten
- 7 Display
- 8 Unterbrecher-Modul
- 9 Einstellung "Schließ"-Geschwindigkeit
- 10 DIP-Schalter S1
- 11 Anschluss für Programmierstecker
- 12 Automatikklappen-Modul
- 13 LED A & B Motorsensorsignal
- 14 Sicherung 12V LED-Leuchten
- 15 SteckSicherung 15A

4.4 S-Schalter Bedienungstafel

Mithilfe der Pfeiltasten \leftarrow oder \rightarrow kann das Roldeck "geöffnet" oder "geschlossen" werden.

Beim Berühren einer der 3 Tasten beim Öffnen oder Schließen des Roldecks stoppt das Roldeck.



	Funktion	Beschreibung
A	"Mode" – key	Mit dieser Taste können sie zwischen verschiedenen Bedienungsfunktionen hin- und herschalten: <ul style="list-style-type: none"> • Steuerungsdaten auslesen • Temperatur kalibrieren • Programmierung zusätzliche Fernbedienungen • Datum/Zeit einstellen
		Durch einmal kurz auf dieser Taste zu Drücken, wird Ihr Poolbeleuchtung ein- oder ausschaltet. Man kann wechseln zwischen Farben LED RGB durch zweimaliges Drücken der Taste, wenn Ihr Poolbeleuchtung eingeschaltet ist.
		Auto-Lock-Funktion: Nach 15 Minuten "gesperrt" die S-Schalter entsperren durch Drücken die Menü-Taste ein paar Sekunden.
B	"Offen" key	Beim Betätigen dieser Taste wird das Roldeck aufgerollt.
C	"Schließen" key	Beim Betätigen dieser Taste wird das Roldeck entrollt.
D	Kontroll – "Open" / "Close"	Status des Roldecks und weiterer Funktionen ablesen.
E	Zeit	Zeitangabe
F	Temperatur	Wassertemperatur ablesen (optional)
G	Indicator Symbole	Dies zeigt an, ob der Leuchten oder Jetstream ein- oder ausgeschaltet sind.

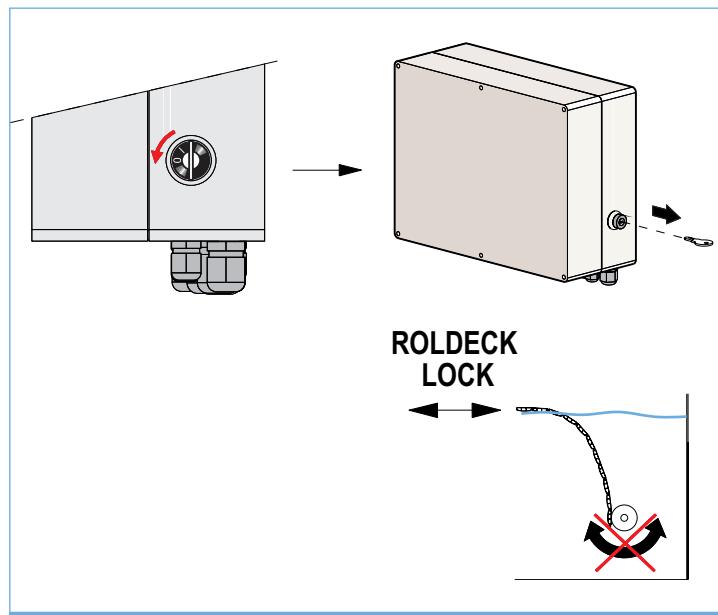
4.5 Bedienung den Schlüsselschalter



ACHTUNG:

Um das Roldeck bedienen zu können, muss der Schlüsselschalter in Stellung 1 stehen.

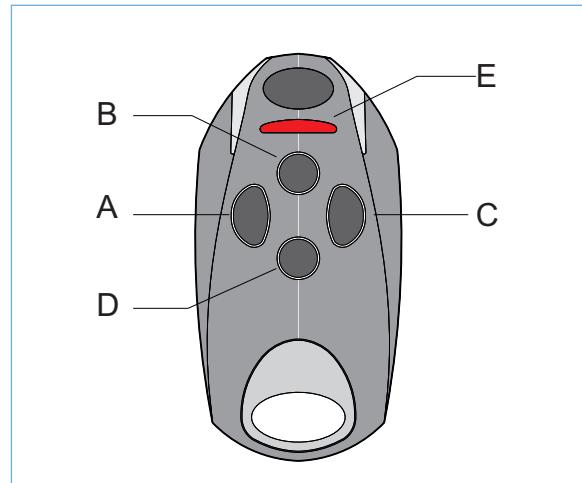
In Stellung 0 funktioniert der Schlüsselschalter als Notstop und kann das Roldeck nicht bedient werden (Kindersicherung).



4.6 Fernbedienung

- A Roldeck öffnen / Stopp / schließen
- B Beckenbeleuchtung
- C Jetstream
- D Gartenbeleuchtung
- E LED: zeigt an, dass die Fernsteuerung funktioniert.

Roldeck öffnen / Stopp / schließen (A).
Mit der Taste (A) die Roldeck kann "geöffnet" oder "geschlossen" werden.



Bemerkungen



- Stellen Sie sicher, dass Sie beim Öffnen und Schliessen das Schwimmbad sehen;
- In der Schliessfunktion ist eine Verzögerung eingebaut.

5 Programmieren der Roldecksteuerung mit dem S-Schalter

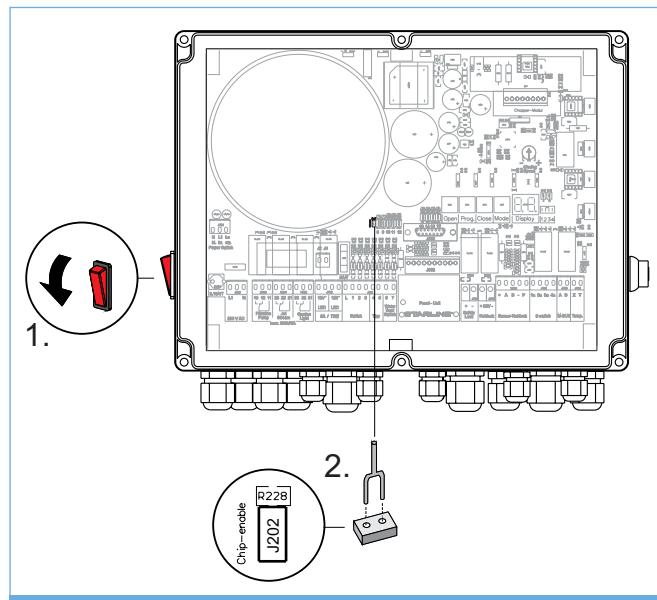
5.1 Roldecksteuerung

Die Roldecksteuerung wird mit Hilfe des Bedienpults des S-Schalter programmiert.

- Die Roldecksteuerung mithilfe des roten Schalters (1) einschalten und den Jumper Am Anschluss (2) anschließen.

 Den Jumper während dem Gebrauch stecken lassen.

 Das Roldeck mit automatischer Bodenklappe kann nicht über den S-Schalter programmiert werden!

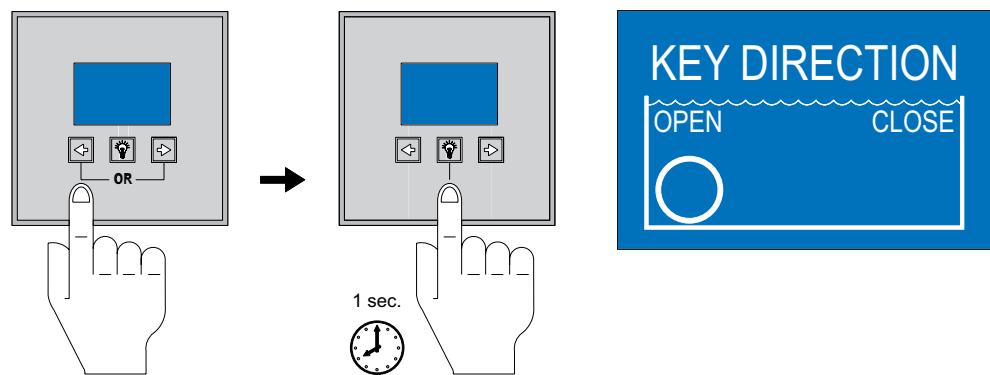


The display shows the following picture "programming" the Roldeck.

The running direction of the Roldeck can be changed.



During first programming use the arrow keys ⇄ or ⇌ to change the running direction. Press the middle key "light symbol" shortly to save the running direction.

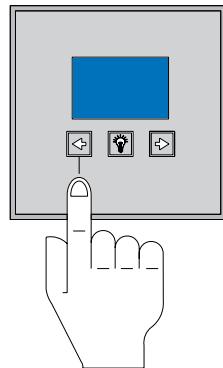


Anleitung Starline Roldeck

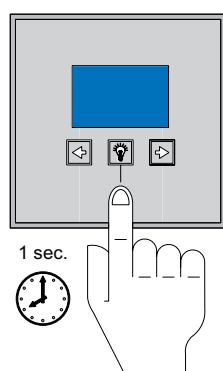
Am Display erscheint die folgende Abbildung.
Jetzt kann mit Programmierung der “OPEN“
Position des Roldecks begonnen werden.
Die Laufrichtung des Roldecks wird durch
den Pfeil ⇛ angezeigt. Das “X” zeigt an,
dass der Motor nicht erkannt wird.



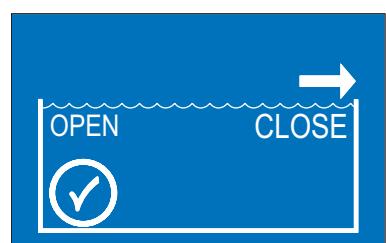
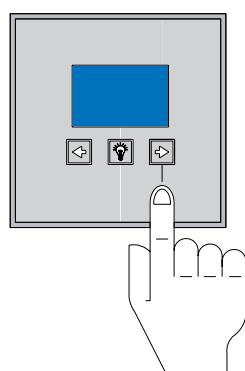
Die Position “OPEN” wird durch Drücken der Pfeiltaste ⇛ gedrückt halten, bis das Roldeck ganz geöffnet ist. Der Pfeil über der Position “Open” blinkt. Der Typ des Antriebsmotor wird automatisch erkannt. Dies wird mit dem Häkchen “✓” angezeigt.



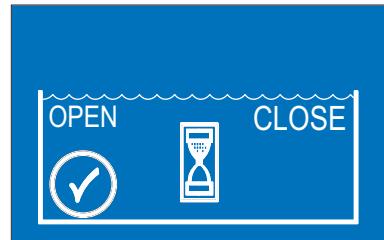
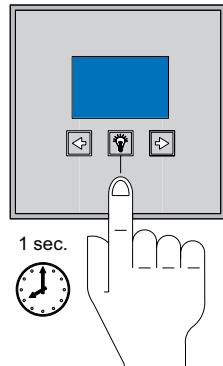
Drücken Sie der Taste mit dem
“Lampensymbol” einmal, um die
Position “OPEN” zu speichern.
Die Sanduhr “⌚” zeigt eine kurze
Wartezeit an.



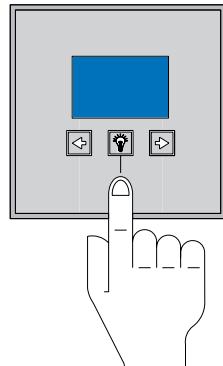
Anschließend muss die Position
“CLOSE” programmiert werden. Dies
wird im Display automatisch verlangt.
Durch Drücken der Pfeiltaste ⇒ wird
der Motor erkannt. Die Pfeiltaste ⇒
gedrückt halten, bis das Roldeck ganz
geschlossen ist.



Drücken Sie der Taste mit dem "Lampensymbol" einmal, um die Position "CLOSE" zu speichern. Die Sanduhr "⌚" zeigt eine kurze Wartezeit an.



Sobald das Roldeck programmiert ist, erscheint im Display das Programmierungs-Hauptmenü. Das Häkchen "✓" zeigt an, dass die Programmierung gelungen ist. Hinweis: Durch Berühren der Taste mit dem Lampensymbol wird die Prorgrammierung beendet. Nicht vergessen, den Jumper wieder von der Platine der Steuerung zu entfernen!
Nähere Angaben zur "Feineinstellung" des Roldecks finden Sie auf der nächsten Seite.



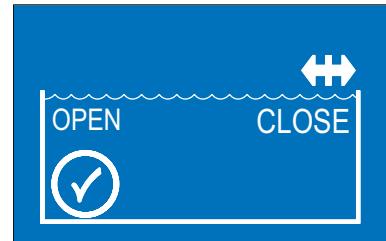
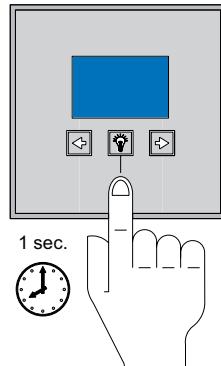
5.2 Feineinstellung des Roldecks mit dem S-Schalter

Über den S-Schalter kann jetzt nur noch die Feineinstellung der Roldeck-Programmierung vorgenommen werden.

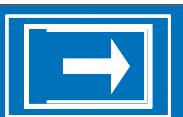
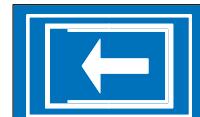
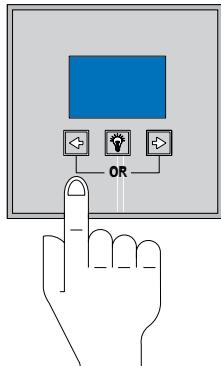
Auf den Pfeil nach rechts drücken, um das Menü „Feineinstellung“ zu öffnen und die Auswahl durch Drücken der Taste mit dem Lampensymbol bestätigen. Jetzt kann die Feineinstellung vorgenommen werden. Die Position des Roldecks kann jetzt nur noch durch Berühren der Pfeiltasten \Leftarrow oder \Rightarrow verändert werden.



Zum Öffnen der Feineinstellung kurz auf die mittlere Taste mit dem Lampensymbol drücken. ($\Leftarrow\Rightarrow$ blinkt). Das Roldeck befindet sich der Position „CLOSE“. Dies zeigt an, dass eine Feineinstellung der Position „CLOSE“ möglich ist.



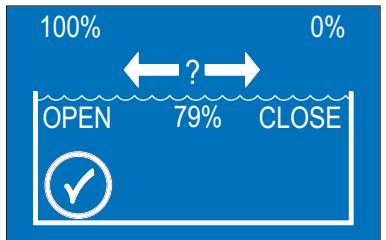
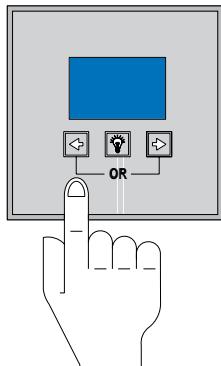
Das Roldeck wird mit den Tasten \Leftarrow „OPEN“ oder \Rightarrow „CLOSE“ in die richtige Position bewegt.



öffnen

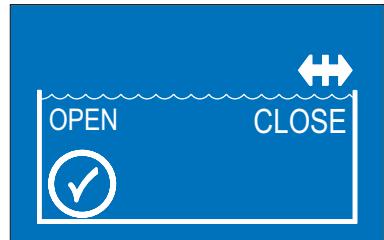
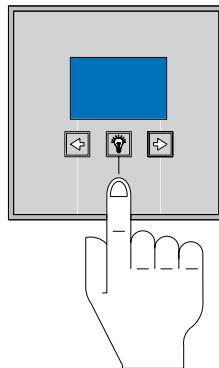
Schließen

Die Feineinstellung des Roldecks wird in Prozentzahlen angegeben.

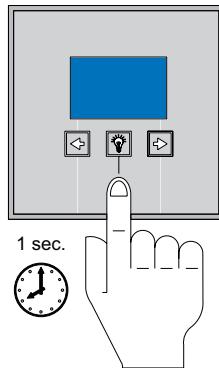


Die Position des Roldecks wird mithilfe der Taste mit dem Lampensymbol gespeichert.

Nach dem Programmieren der Feineinstellung zeigt der S-Schalter an, ob die Programmierung gelungen oder fehlgeschlagen ist.
Eine korrekte Programmierung wird mit einem Häkchen “✓” angezeigt.



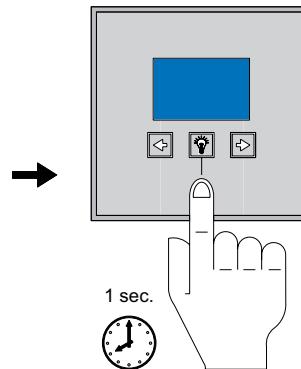
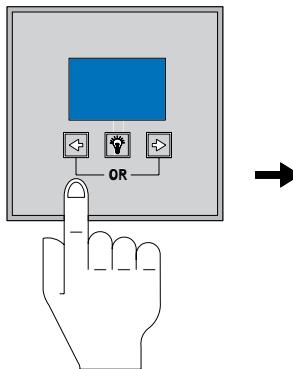
Ist die Programmierung fehlerfrei verlaufen, kann mit den Pfeiltasten ⇡ oder ⇒ das Symbol “Exit” gewählt werden, um die Programmierung zu beenden. Anschließend kurz die mittlere Taste mit dem Lampensymbol berühren, um das Programm zu beenden.



Die Programmierung ist abgeschlossen.

Nicht vergessen, den Jumper “B” wieder von der Platine der Steuerung zu entfernen!

Bei einer fehlerhaften Programmierung erscheint ein “✗”. Dies kann geschehen, wenn nur eine oder keine Position programmiert wurde.
Im Falle einer fehlerhaften Programmierung ist zuerst die gesamte Programmierung zu löschen. Mithilfe der Pfeiltasten ⇡ oder ⇒ (PROG “✗”) auswählen und danach die Taste mit dem Lampensymbol drücken. Das Programm ist gelöscht. Jetzt die Neuprogrammierung des Roldecks beginnen.



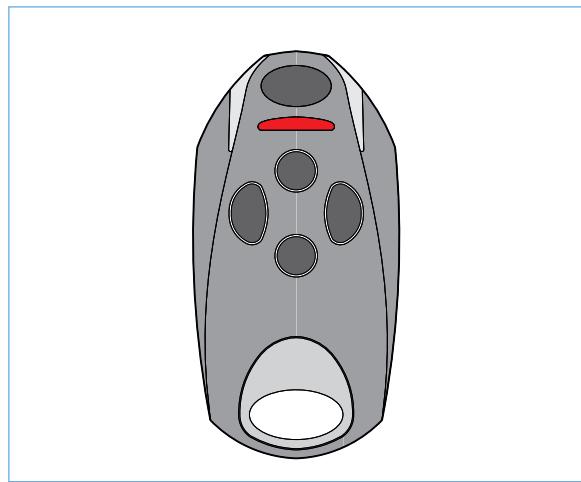
5.3 Programmieren der Fernbedienung

Der Sender der Fernbedienung ist vorprogrammiert.

Gehen Sie wie folgt vor, wenn der Sender ersetzt, oder die Anzahl der Sender erweitert wird.

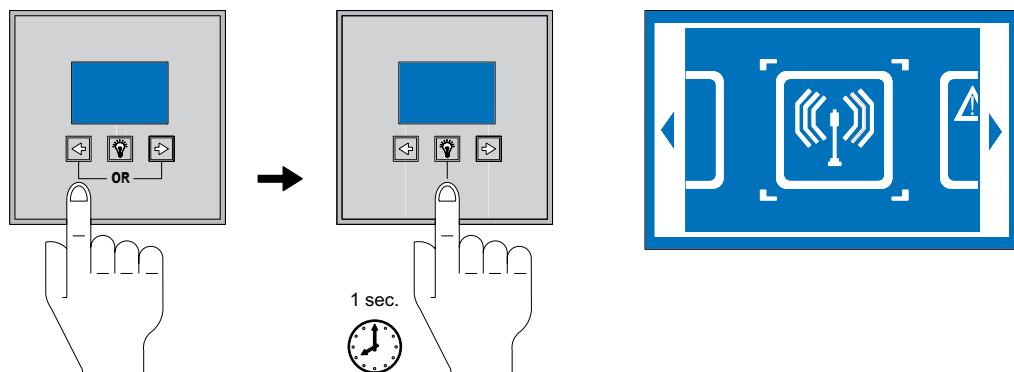


Beim Programmieren sollten Sie darauf achten, dass Sender und Empfänger nicht mehr als 5 Meter von einander entfernt sind.

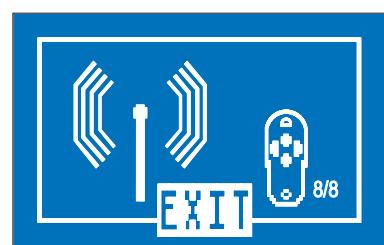
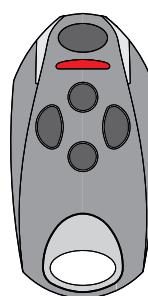


Mithilfe der Pfeiltasten des S-Schalter ⇡ oder ⇢ können wieder alle anderen Menüpunkte ausgewählt werden.

Das Symbol "Antenne" auswählen und mithilfe der Taste mit dem Lampensymbol bestätigen.



Jetzt ist das Symbol "Antenne & Fernbedienung" aktiv.
Zum Programmieren des Senders halten 1 der 4 Tasten auf der Fernbedienung gedrückt. Wenn der Sender erkannt wird, wird das Menü "Sender programmieren" wieder geschlossen.



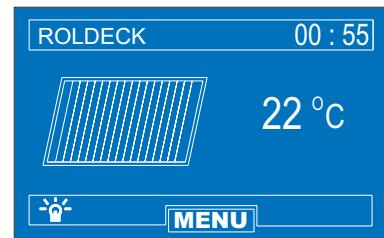
Jetzt sind Sender / Empfänger programmiert.

Es können bis zu 8 Handsender programmiert werden.
Die Zahl der programmierten Handsender wird rechts unten im Display angezeigt.
shown.

Fernbedienungsfunktionen

Beckenbeleuchtung (B).

Mithilfe der Taste (B) kann die Beckenbeleuchtung ein- oder ausgeschaltet werden. Wird das Roldeck bei eingeschalteter Beckenbeleuchtung in Betrieb gesetzt, wird die Beckenbeleuchtung ausgeschaltet. Nach dem Stoppen des Roldecks wird die Beckenbeleuchtung wieder eingeschaltet. Im Display leuchtet das Lampensymbol auf. Drücken der Taste (B), um die Farben von LED RGB schalten



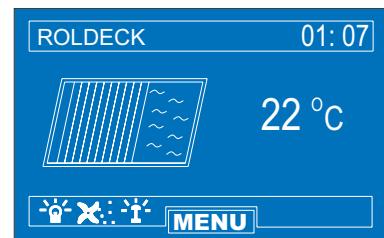
↑
Beckenbeleuchtung
eingeschaltet

Jetstream (C) und Gartenbeleuchtung (D).

Diese Funktionen können nur mit der zum Lieferumfang gehörenden Fernbedienung ein- und ausgeschaltet werden.

Mit der Taste an der Fernbedienung wird die Funktion eingeschaltet.

Wenn die Taste an der Fernbedienung erneut gedrückt wird, wird die Funktion wieder ausgeschaltet.

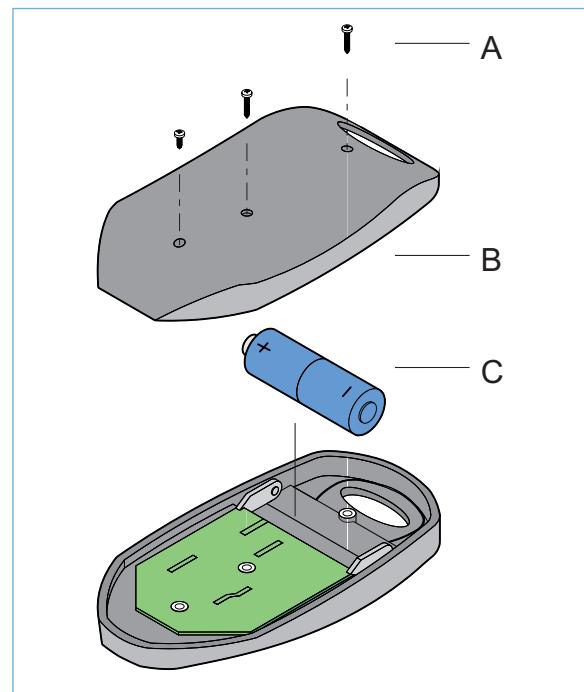


↑
↑
Jetstream eingeschaltet

Gartenbeleuchtung
eingeschaltet

Batterie ersetzen

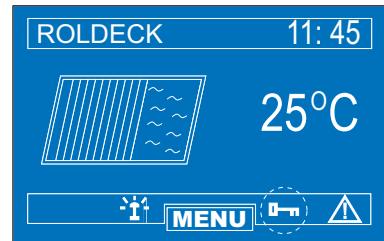
- Entfernen Sie drei Schrauben (A) von der Unterseite des Gehäuses.
- Entfernen Sie die Bodenplatte (B).
- Batterie durch eine neue mit gleichen Spezifikationen ersetzen (A23 12 V).
- Die Polarität beachten.



Frequenz: 433.92 MHz.

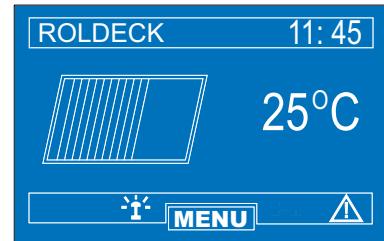
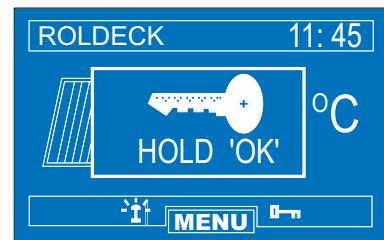
5.4 Releasing Keylock S-Switch

The display shows the keylock active.



When pressing 1x at any key, the "KEY LOCK HOLD OK" overlay screen will appear automatically after 15 minutes (timeout).

If the display shows "KEY LOCK HOLD OK" press the OK button for 3 seconds, to unlock.



5.5 AutoLock function

By pressing the middle key “light symbol” for 3 seconds the menu of the S-switch opens.

By touching the arrow keys \leftarrow or \rightarrow briefly you can scroll through the menu.

Select the symbol “time” and confirm this with the “light symbol”. It is now possible to switch on/off the AutoLock function.

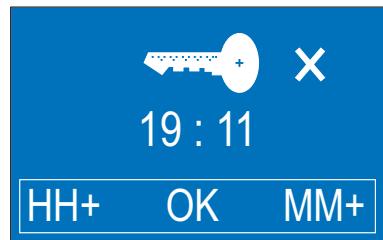
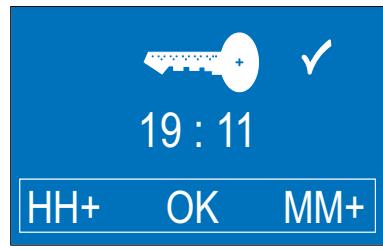
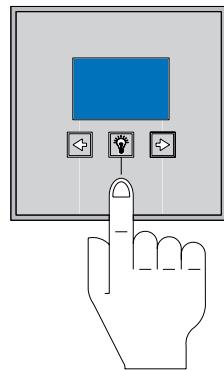
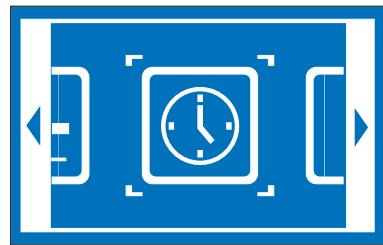
By touching “light symbol” the AutoLock function can be switched on or off.

The time is set by using the arrow keys \leftarrow or \rightarrow .

Symbol “ \leftarrow ” setting hours, Symbol “ \rightarrow ” setting minutes

Then confirmed the time by pressing the key “light symbol” for 3 seconds.

The menu returns to the symbol time.

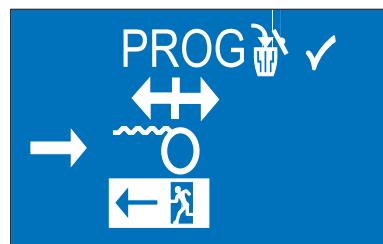
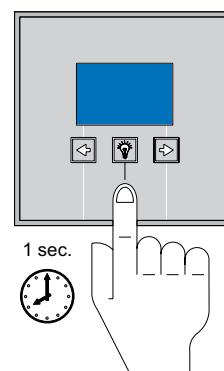


5.6 Changing position of the Roldeck (afterwards)

First turn on the Roldeck Control by means of the red button and connect the jumper of the RD2013 into socket.

The position of the Roldeck can be changed after programming by pressing the lamp key of the S-Switch.

Then go to exit.



6 Reinigung und Unterhalt

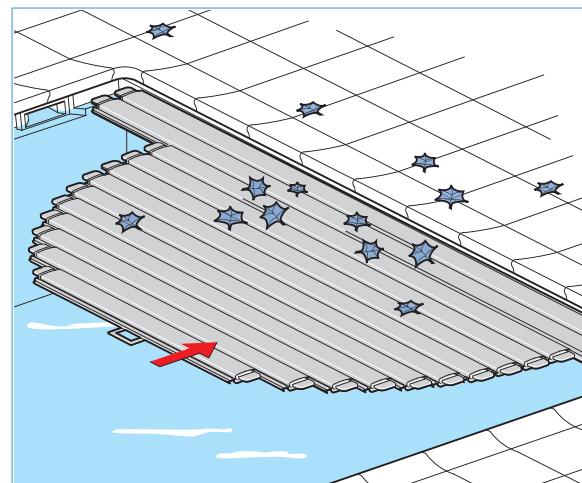
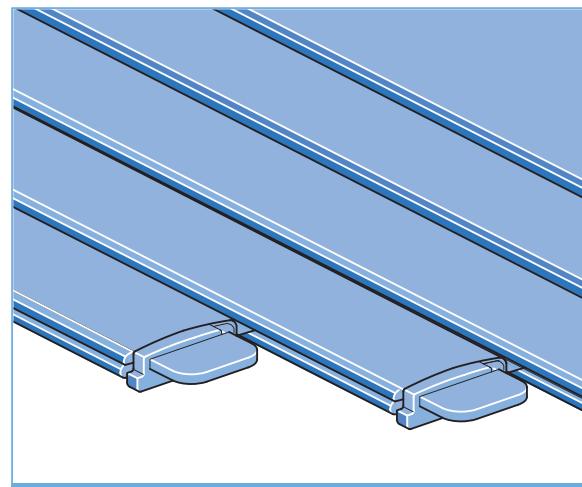
6.1 Lamellen

Die Lamellen sollten zweimal im Jahr mit einem Hochdruckreiniger und einer harten Bürste gereinigt werden. Es können sich Algenablagerungen an der Oberseite und an der Unterseite des Roldecks entwickeln.

- Die Wasserzirkulation (Filteranlage) muss den ganzen Tag in Betrieb sein wenn eine Solar oder Transparente Abdeckung auf dem Wasser liegt. Weil bei diesem Typ Abdeckung sich die Wärme unter den Lamellen staut wodurch die Lamellen schneller verschleißt oder selbst verformen können.
- Der Hochdruckreiniger sollte mit Vernunft angewendet werden.
- Die Lamellen müssen immer gegen Sonneneinstrahlung geschützt werden wenn sie nicht auf dem Wasser liegen.

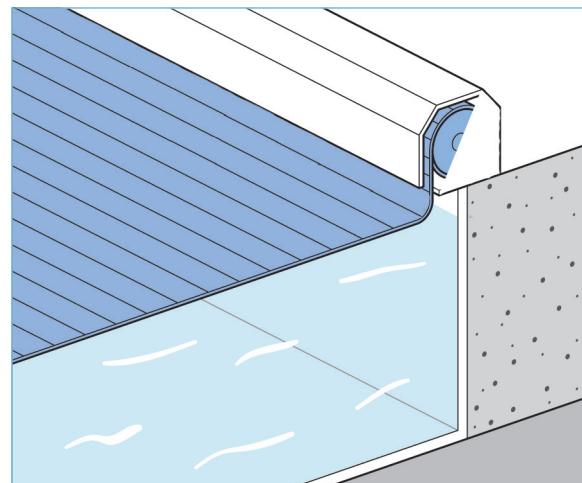
6.2 Verschmutzungen

Vor dem Schliessen sollten Blätter und andere Verschmutzungen entfernt werden. So wird das Verschmutzen der Aufrollvorrichtung vorgebeugt.



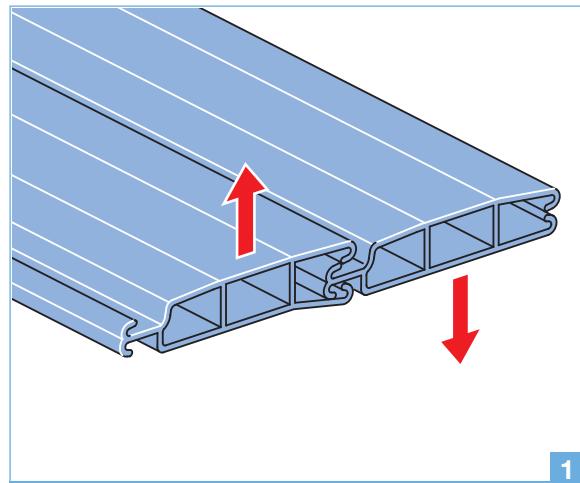
6.3 Abdeckung

Die Abdeckung mit einem Hochdruckreiniger und einer weichen Bürste oder einem Schwamm reinigen.

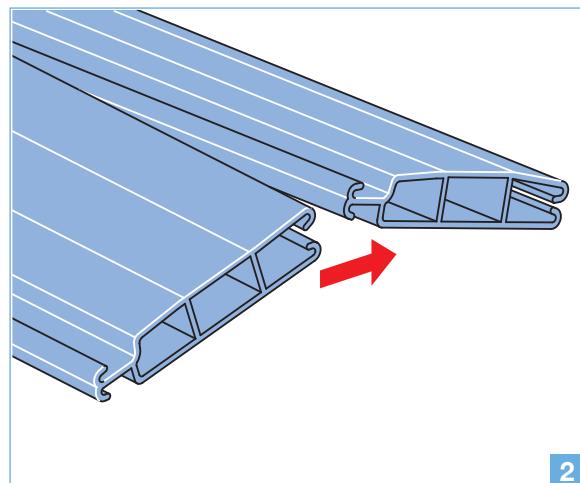


6.4 Lamellen demontieren

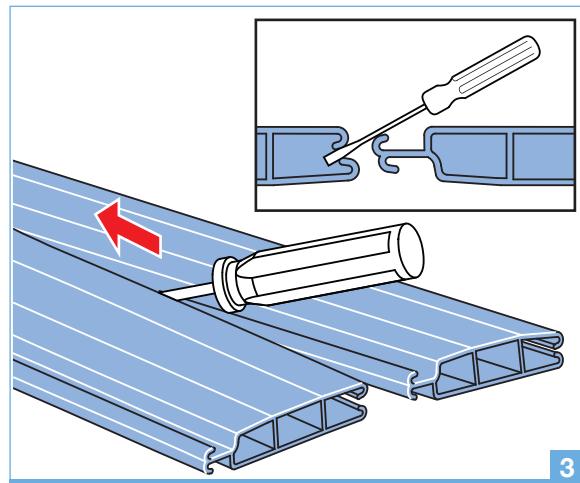
Wenn Sie die linke Lamelle gegenüber der rechten (oder umgekehrt) nach oben bewegen, können Sie den oberen Haken aus der Rasterung nehmen. Anschliessend können Sie den unteren Haken aus der Rasterung nehmen.



Die Lamellen können jetzt über eine Länge von etwa 10 cm getrennt werden.

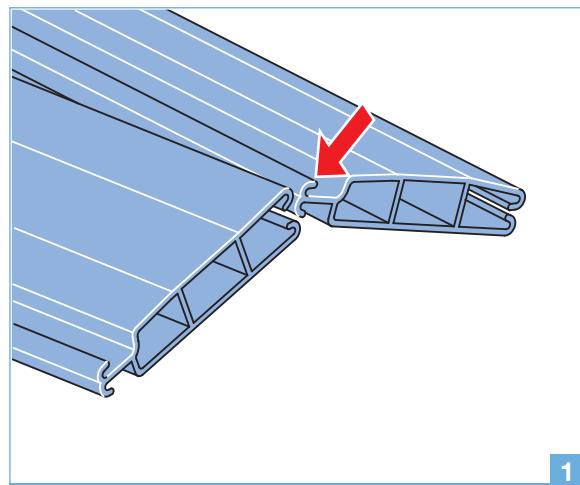


Trennen Sie nun die Lamellen über die ganze Länge mit Hilfe eines Schraubendrehers.

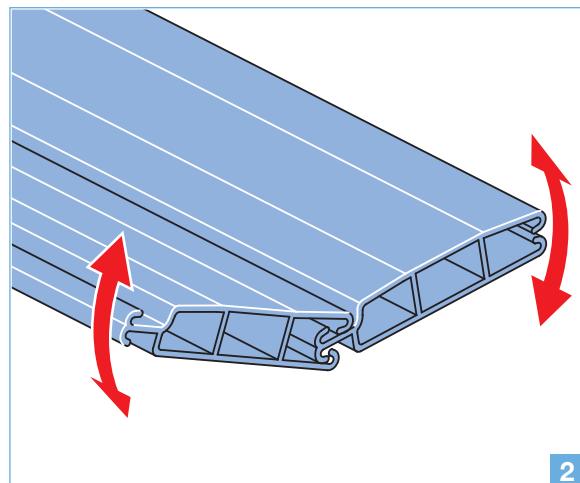


6.5 Lamellen montieren

Die Lamellen gegen einander halten.
Die Haken rasten ein, angefangen beim unteren Haken der rechten Lamelle (oder spiegelverkehrt).

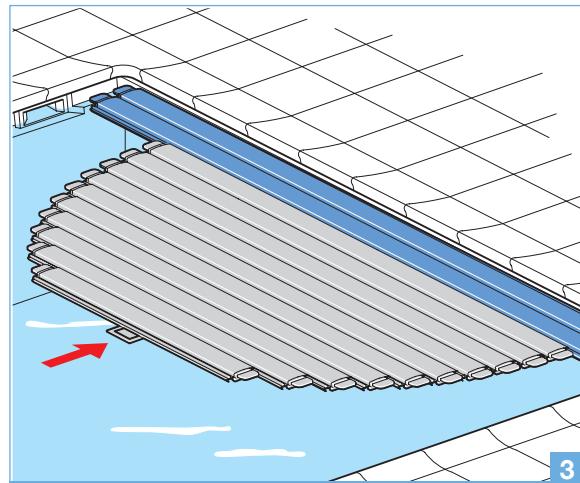


Stellen Sie eine Verbindung über die ganze Länge her in dem Sie die Lamellen auf und ab bewegen.



Bemerkung

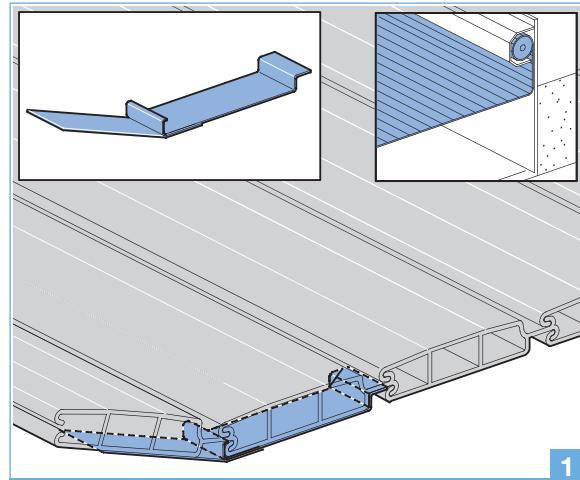
Schieben Sie das Roldeck möglichst nahe zum Rand.
⚠️ So können die Lamellen einfacher ersetzt werden.



6.6 Clips und Bügel

Bügelführung

Die Bügelführung dient zum Führen der Lamellen in die richtige Richtung, wenn diese auf Grund einer Aufbauanleitung ins Wasser gesenkt werden. Durch den Clip steht die erste Lamelle in einem Winkel gegenüber der zweiten Lamelle, so dass eine Art Buggelenk geformt wird.



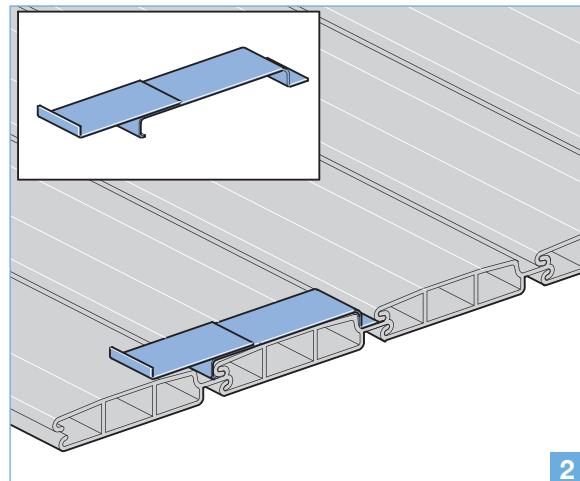
1

Antirutschclip

Der Antirutschclip soll verhindern, dass die Lamellen in die Nische abgleiten bei einem Roldeck mit einem extremen Einlauf des Treppenteils.

In diesem Fall sollte der Endkunde den Installateur warnen, damit die Clips wieder eingesetzt werden können.

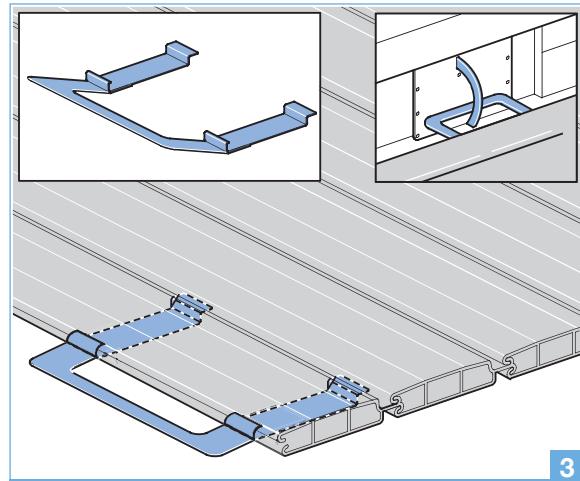
Für den Endkunden ist es sehr schwierig, die richtige Position zu bestimmen.



2

Kindersicherheitsbügel

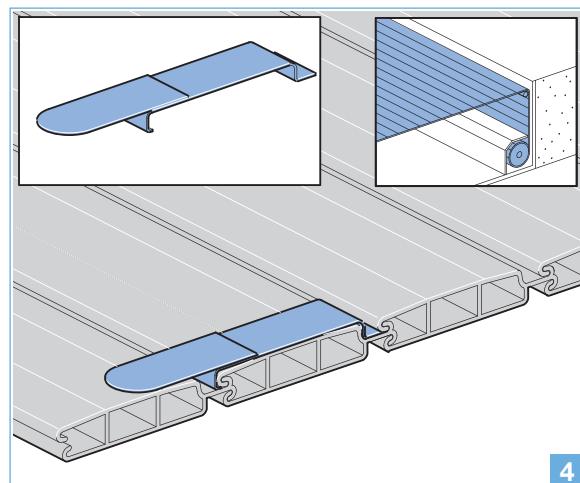
Der Kindersicherheitsbügel ist auf der ersten Lamelle montiert und dient als Öffnung für den Haken des Kindersicherheitsschlusses, so dass das Roldeck nicht aufgestossen werden kann.



3

Führung des Bügeleinbaus

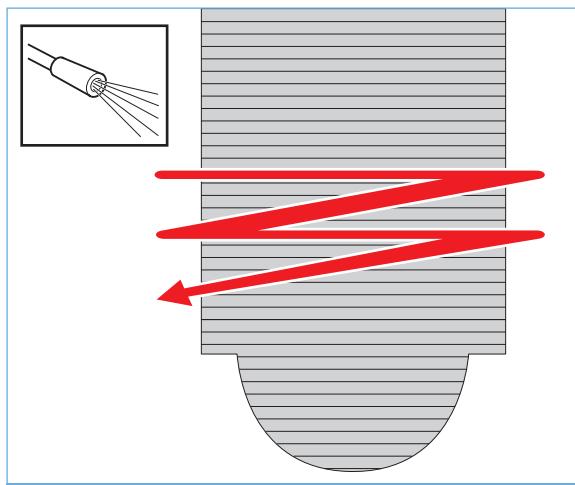
Der geführte Bügeleinbau dient zur Führung in die richtige Richtung der Lamellen, die aus dem Wasser kommen. Weil der Clip an der zweiten Lamelle montiert ist, sorgt der abgerundete Teil dafür, dass die erste Lamelle nur an einer einzigen Seite aufklappen kann.



6.7 Entkalken

An der Oberseite der Lamelle kann sich Steinansatz entwickeln.

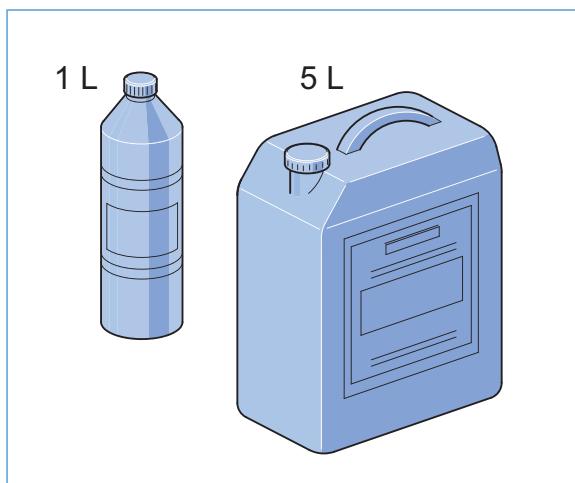
- Die Lamellenabdeckung mit Entkalkungsmittel anfeuchten, das Sie mit dem Sprüher über die Abdeckung verteilen (1 Liter pro 10 m²).
- Das Entkalkungsmittel 1 bis 2 Stunden einwirken lassen.
- Das Roldeck in Bahnen von links nach rechts abspritzen, so dass der Kalk aus den Rillen gespritzt wird. Wenn nötig die Lamellen zuerst mit einem Schrubber abbürsten.
- Bad reinigen um den beim Reinigen entstandenen Schmutz zu entfernen.
- Den Filter wieder sauber spülen.
- Den pH-Wert des Wassers wieder herstellen mit Hilfe von Starline pH+.



Das Entkalkungsmittel ist nach einigen Tagen aus dem Wasser verschwunden.



Der Hochdruckreiniger sollte mit Vernunft angewendet werden.



WARNUNG:

- Lesen Sie zuerst die Packungsbeilage, bevor Sie das Produkt verwenden.
- Halten Sie das Entkalkungsmittel außer Reichweite von Kindern.
- Bewahren Sie das Mittel nicht in der Nähe von Esswaren, Getränken und Tierfutter auf.
- Vermeiden Sie jeden Kontakt des Entkalkungsmittels mit der Haut.
- Vermeiden Sie jeden Kontakt des Entkalkungsmittels mit den Augen. Das Mittel sofort mit reichlich Wasser ausspülen und sofort einen Arzt einholen, wenn das Entkalkungsmittel in den Augen gerät.
- Beim Verwenden eines Sprühers darauf achten, dass die Terrasse des Schwimmbades nicht vom Entkalkungsmittel angefressen werden kann.
- Nach dem Gebrauch des Entkalkungsmittels mindestens zwei Stunden warten, bis das Schwimmbad wieder benutzt werden kann.
- Wenn das Entkalkungsmittel mehrere Male verwendet werden muss, sollte in Hinblick auf den Wasserhaushalt eine Zwischenperiode von 1 bis 2 Tagen eingelegt werden.
- Sowohl das Produkt selbst, als auch die Verpackung sollten als Chemieabfälle beseitigt werden.

7 Störungen

7.1 Übersicht Fehlermeldungen RDEB2013

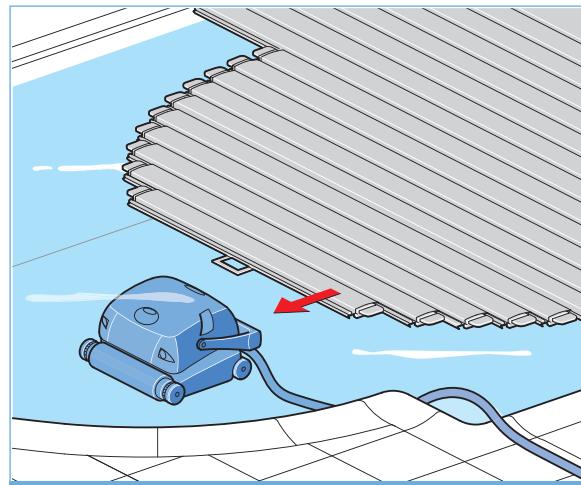
Nehmen Sie die untenstehende Störungstabelle zur Hilfe, wenn eine Fehleranzeige auftritt.
Nehmen Sie, wenn nötig, Kontakt auf mit Ihrem Installateur.

Display Fehler	Beschreibung
F01	<ul style="list-style-type: none">• Anlauffehler (keine Impulse in 1s nach Fahrtbeginn)
F02	<ul style="list-style-type: none">• Blockadefehler (keine Impulse in 1s während Fahrt)
F03	<ul style="list-style-type: none">• Falsche Drehrichtung (50 Impulse in verkehrter Richtung)
F04	<ul style="list-style-type: none">• Kurzschluss (Motorstrom > 30 A)
F05	<ul style="list-style-type: none">• Zu viel Strom (Motorstrom für 10 s > 9,5 A)
F06	<ul style="list-style-type: none">• Laufzeitfehler (Roldeck > 900 s, Klappe > 120 s)
F07	<ul style="list-style-type: none">• Überspannung (Motorspannung für 5 s > 45 V)
F09	<ul style="list-style-type: none">• Überhitzung des Chopper-Moduls (Temp. > 100 °C)
F10	<ul style="list-style-type: none">• Sensor short circuit (sensor inputs A & B)
F11	<ul style="list-style-type: none">• Sensorfehler (unterschiedliche Werte an beide Sensoren)
F12	<ul style="list-style-type: none">• Absolute Überspannung (Motorspannung > 60 V)
F21	<ul style="list-style-type: none">• Wasserfüllstandssensor offen (Modell RD: SK)
F22	<ul style="list-style-type: none">• Eingang Schlüsselschalter offen
F31	<ul style="list-style-type: none">• Unterdruck Roldeckantrieb, zu niedriger Druck im Roldeck-Rohrmotor
F32	<ul style="list-style-type: none">• Unterdruck Klappenantrieb, zu niedriger Druck im Rohrmotor der Automatikklappe

Bei Fehlermeldung F04, F11 und F12:

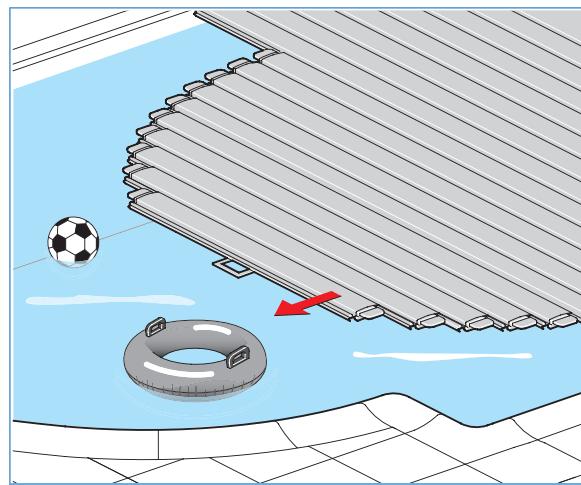
7.2 Störungen vorbeugen

⚠️ Stellen Sie sicher, dass beim Bewegen des Roldecks der Bodensaugerschlauch nicht mitgezogen wird.



Hindernisse

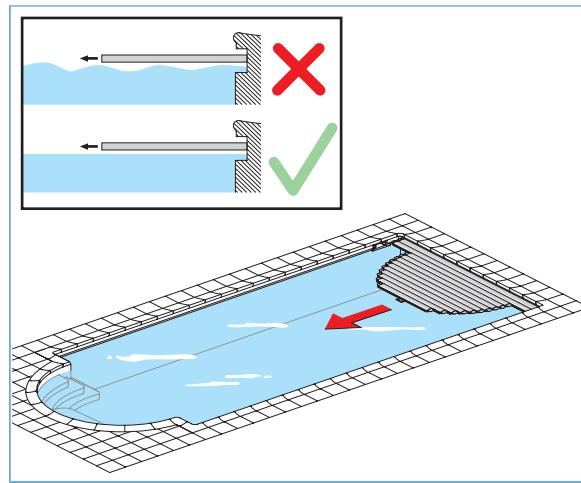
Entfernen Sie alle auf dem Wasser treibenden Gegenstände vor dem Öffnen und Schliessen des Roldecks.



Wellen

Warten Sie bis sich das Wasser vollständig beruhigt hat und alle Wellen verschwunden sind, bevor Sie das Roldeck schliessen.

⚠️ Warten Sie mindestens 30 Sekunden.

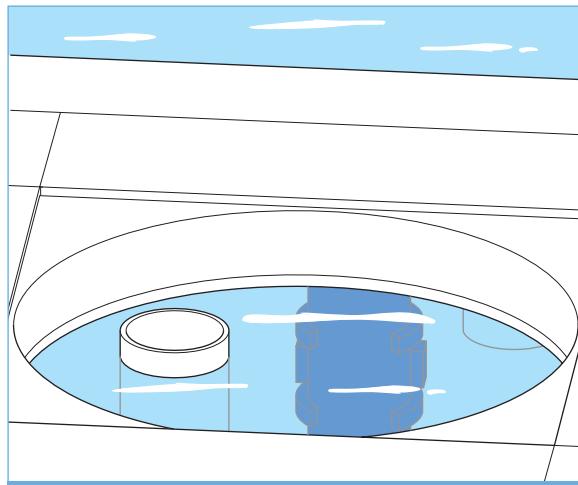


7.3 Wasserstand regeln

Standregler

Der Wasserstandregler besteht aus einem Starline-Standregler und einem Überlauf. Die Wasserstandregelung dient zum optimal Einstellen des Wasserstandes im Schwimmbad.

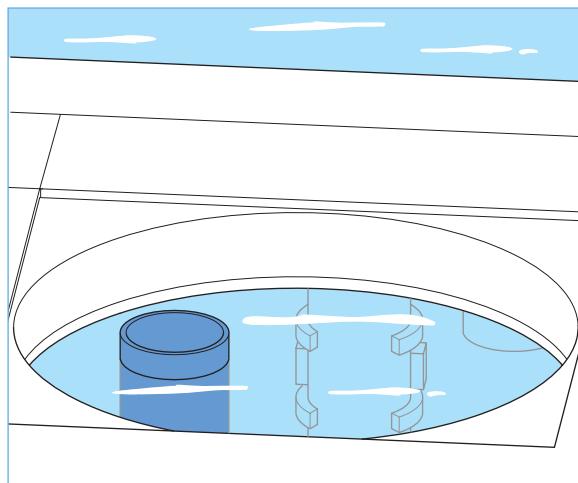
Halten Sie den Wasserstand auf dem richtigen Niveau, damit das Roldeck nicht behindert wird von Randsteinen, vom Sicherheitsrand oder Stangen.



Überlauf

Der Überlauf sorgt für das Abfliessen des überflüssigen Wassers direkt in die Abwasserleitung.

Der Wasserstand wird vom Installateur eingestellt.

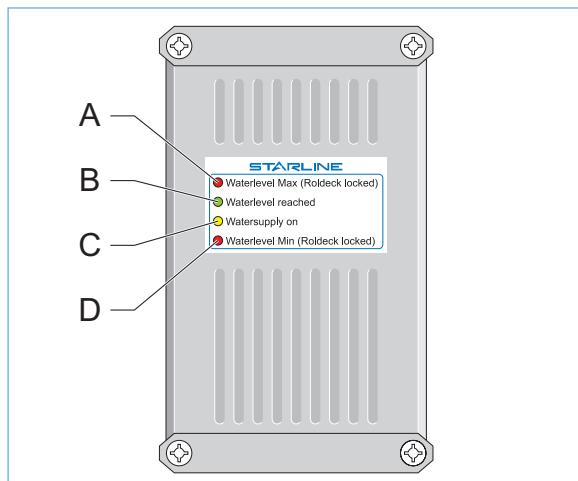


Standregler

Der Standregler ist mit 4 LED-Anzeigen ausgestattet:

- A Max. Wasserstand (Rolleck kann nicht geöffnet oder geschlossen werden)
- B Wasserstand in Ordnung
- C Wasserzufuhr ein
- D Min. Wasserstand (siehe A)

Wenn alle LEDs leuchten, hat der Standregler 12 Mal hintereinander nachgefüllt, wenn LED A+D leuchten handelt es sich um eine Fehlkkommunikation zwischen Sensor und Wasserstandsteuerung. Fragen Sie Ihren Installateur um Auskunft.

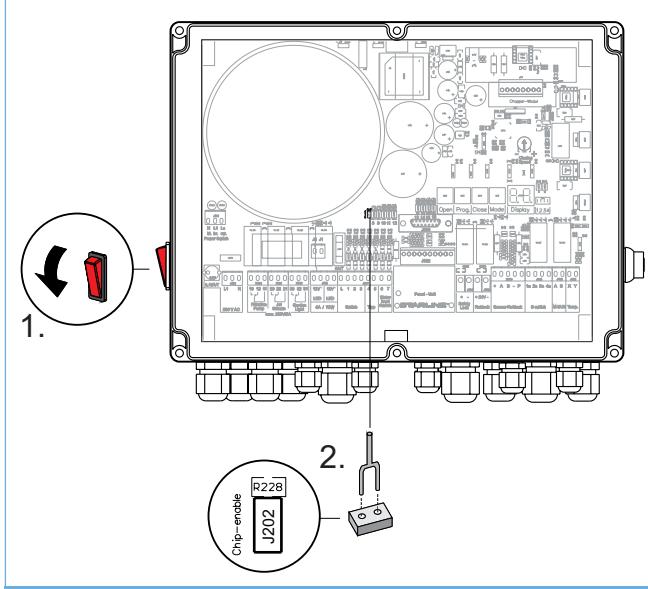


7.4 Manuelle Roldeck Bedienung

Für den Fall einer Funktionsstörung des Roldeckmotors infolge eines Sensorfehlers (Fehlercode im LED-Display oder am S-Schalter ablesbar).

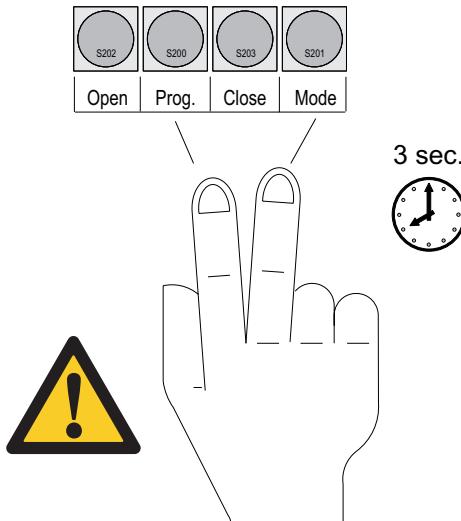
Die Sensorfunktion wird mithilfe einer Kombination von Tasten und Jumper ausgeschaltet.

Die Roldecksteuerung mithilfe des roten Schalters (1) einschalten und den Jumper Am Anschluss (2) anschließen.



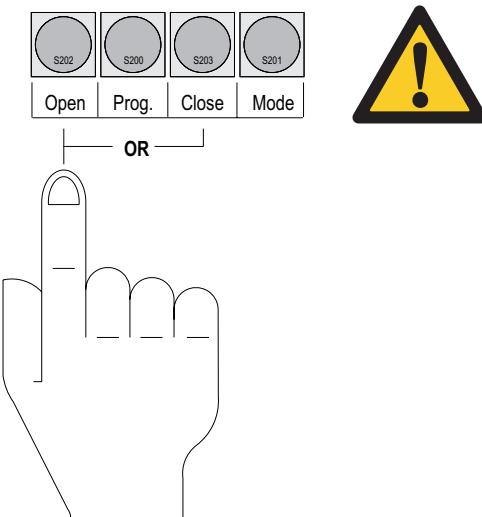
Dann gleichzeitig 3 Sekunden die Tasten "prog" und "mode" drücken.

Die manuelle Bedienungsfunktion des Roldecks ist nur für Notfälle vorgesehen. Dadurch werden die eingestellten Ausgangs- und Endstellung (Programm) im Speicher gelöscht und müssen später neuprogrammiert werden.



Anschließend kann das Roldeck durch anhaltendes Drücken der Tasten "Open" und "Close" im Schaltschrank, bis das Roldeck die gewünschte Position erreicht hat, manuell bedient werden.

Wenn die Taste losgelassen wird, stoppt das Roldeck automatisch. Achten Sie beim Öffnen oder Schließen der Roldeck dass das Roldeck nicht zu weit zu bewegen.



8 Technische Spezifikationen

Material der Lamellen	Hart-PVC / PC
Gewicht der Lamellen	4,8 kg/m ² - 5 kg/m ²
Verfügbare Farben	Weiss Blau Grau Creme Transparent (vor allem geeignet für Innenbäder) Solar (spezial für Freibäder)
Steuerung	RDEB2013 Microprozessorsteuerung (EEPROM) 230 V / 24 V
Antrieb	24 V separater Antriebsmotor / eingebauter Rohrmotor
Isolationsfaktor	4 - 6 W/m ² K (je nach Windgeschwindigkeit /-Richtung)
Energieeinsparung	Innenbad bis 70 % Feibad 60 - 80 %

8.1 Externer motor / Rohrmotor

Typ	
Baujahr	
Seriennummer	

8.2 RDEB2013

Typ	
Baujahr	
Seriennummer	

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De verstrekte informatie mag geenszins worden verveelvoudigd en/of openbaar gemaakt op welke wijze en met welke middelen dan ook (elektronisch of mechanisch), zonder voorafgaande, uitdrukkelijke en schriftelijke toestemming van Starline Group Nederland.

De verstrekte informatie is gebaseerd op de gegevens die bekend waren op het moment van het verschijnen van het product. Starline voert een beleid van continue productverbetering, wijzigingen zij derhalve voorbehouden.

De verstrekte informatie is geldig voor het product zoals dit door Starline is geproduceerd. Starline kan derhalve niet aansprakelijk worden gesteld voor eventuele schade voortvloeiend uit afwijkingen van de oorspronkelijke specificaties van het product.

De beschikbare informatie is met alle mogelijke zorg samengesteld, maar Starline kan niet aansprakelijk worden gesteld voor eventuele fouten in de informatie of voor de gevolgen daarvan. Starline kan niet aansprakelijk gesteld worden voor schade voortvloeiend uit werkzaamheden die door derden zij uitgevoerd.

De door Starline gehanteerde gebruiksnamen, handelsnamen, handelsmerken, etc. mogen krachtens de wetgeving inzake de bescherming van handelsmerken niet als vrij worden beschouwd.

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1 Algemeen

1.1 Doel van deze handleiding

Deze handleiding beschrijft het dagelijks gebruik van het Starline Roldeck.

Lees de handleiding zorgvuldig. Elke gebruiker moet van de inhoud van deze handleiding op de hoogte zijn. Volg de aanwijzingen in de handleiding nauwgezet op.

Verricht de handelingen altijd in de juiste volgorde.

Bewaar de handleiding op een vaste plaats bij de bedieningskast. Mocht de handleiding zoek raken, bestel dan via uw leverancier een nieuw exemplaar.

1.2 Pictogrammen in deze handleiding

In deze handleiding zijn de volgende pictogrammen en symbolen gebruikt:



LET OP!
Procedures die extra aandacht vragen.



WAARSCHUWING!
Niet op gaan staan.

1.3 Afdanken en milieu

Als het Roldeck wordt afgedankt moet het volgens de lokaal geldende voorschriften worden afgevoerd.

Informeer bij de reinigingsdienst naar mogelijkheden voor hergebruik en voor milieuvriendelijke verwerking van het product en de verpakking.

1.4 Service en onderhoud

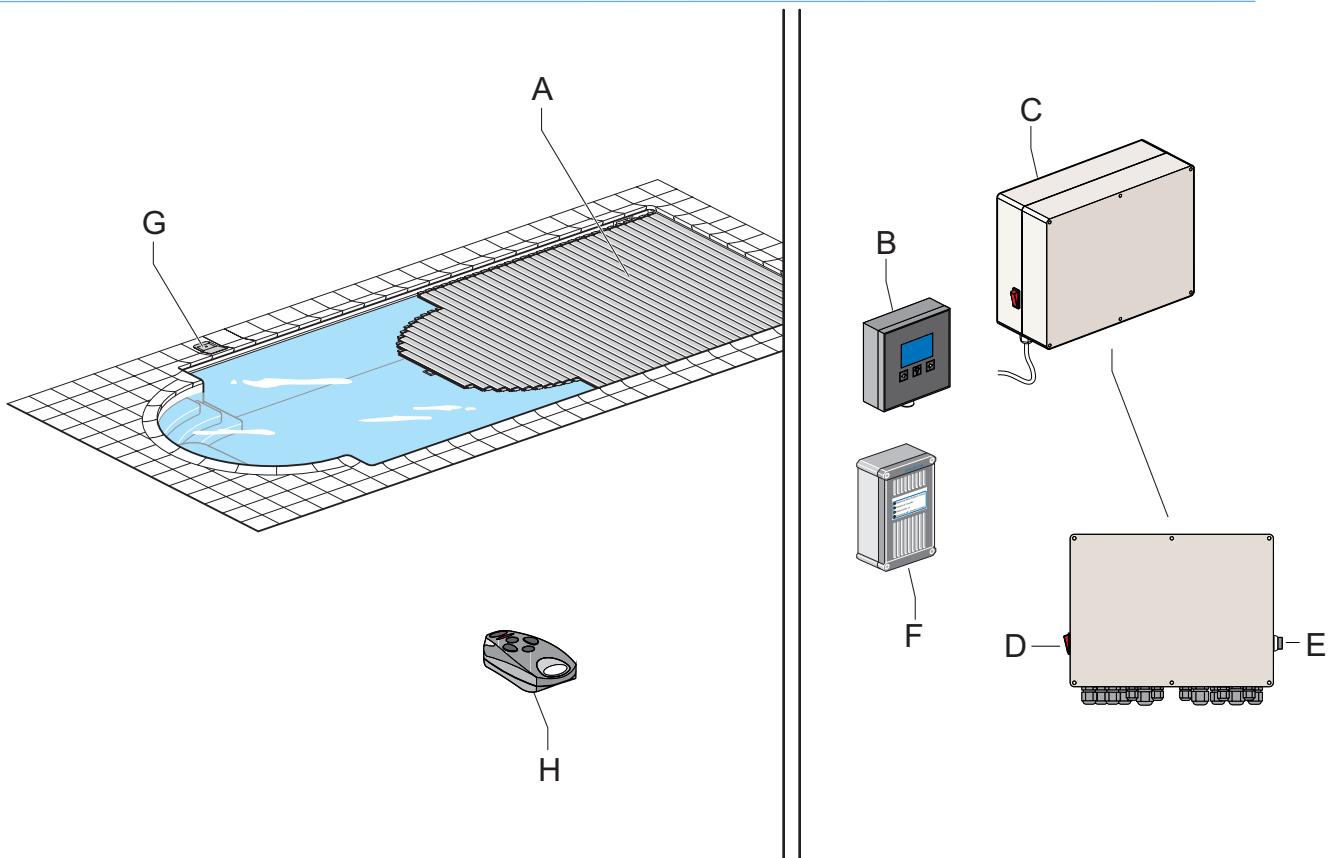
- Laat de installatie van het Roldeck minstens éénmaal per jaar door uw installateur controleren.
- Meld storingen aan het Roldeck altijd aan uw installateur.
- Bescherm ongebruikte lamellen tegen direct zonlicht.

De lamellen kunnen vervormen. De kunststof kan zacht worden. Als gevolg hiervan kan een storing van het Roldeck optreden.

1.5 Garantie bepalingen

Zie het Starline garantieboekje.

2 Overzicht

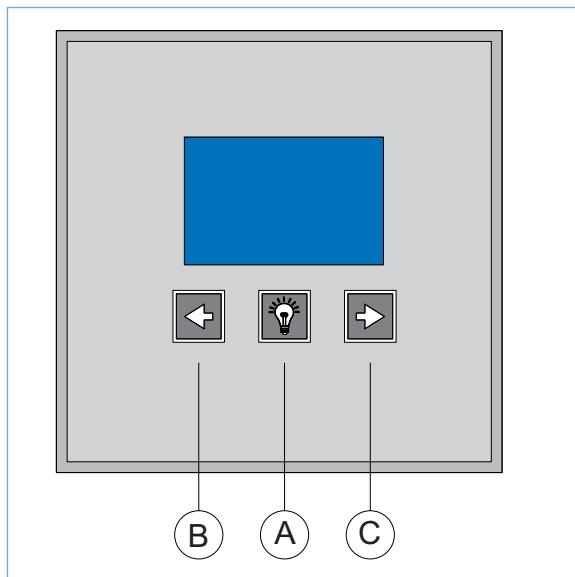


- A Roldeck
- B S-Switch
- C Roldeckbesturing
- D Aan/uit schakelaar
- E Sleutelschakelaar
- F Niveauregeling
- G Niveau meetpunt
- H Afstandsbediening

3 Veiligheid

3.1 Noodstop

Als de sleutelschakelaar op de besturingskast in stand 0 staat werkt hij als noodstop en is het Roldeck onbedienbaar door onbevoegden. Het indrukken van de knoppen A, B of C van de S-Switch werkt ook als noodstop als de motor draait.



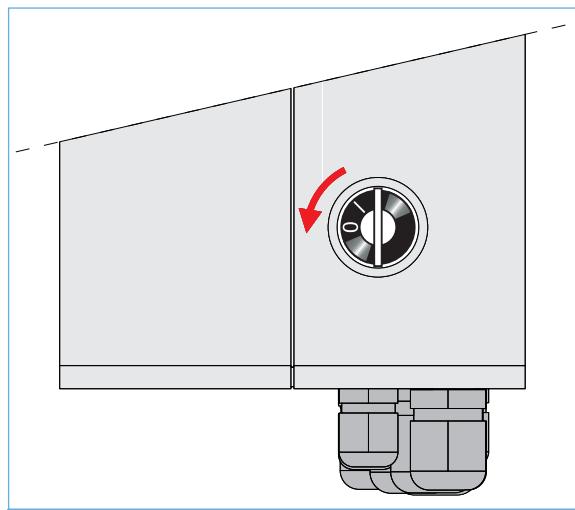
3.2 Bediening

Om het Roldeck te kunnen bedienen moet de sleutelschakelaar in stand 1 staan.

Zet de sleutelschakelaar in stand 0 als het Roldeck geopend is. Als de sleutelschakelaar in stand 0 staat werkt deze als noodstop en is het Roldeck niet bedienbaar. (kinderveiligheid)

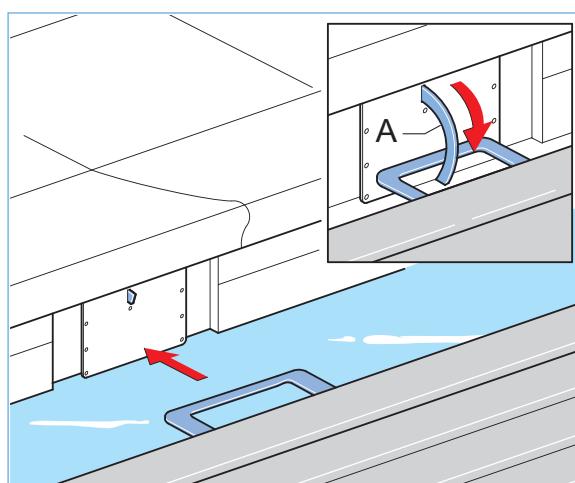


Zorg ervoor dat bij het sluiten van het Roldeck geen personen of voorwerpen in het zwembad aanwezig zijn.



3.3 Kinderslot

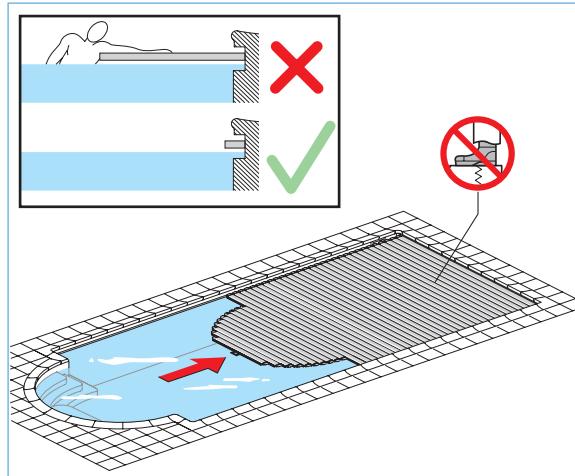
Het kinderslot (A) is een automatische vergrendeling die voorkomt dat kinderen - bewust of onbewust - het Roldeck kunnen openduwen. Controleer na elke sluiting de werking. Voor een juiste werking is het waterpeil belangrijk. Bij een te groot hoogteverschil valt de haak niet goed in de vergrendeling.



3.4 Roldeck

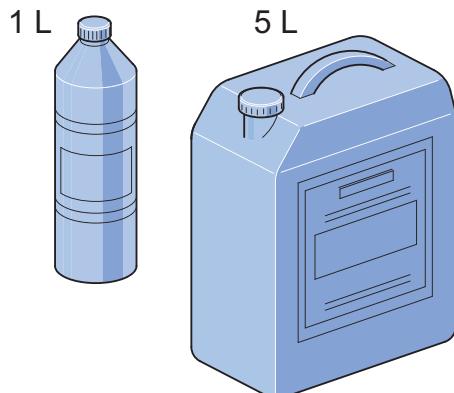
Zorg er altijd voor dat het Roldeck volledig is geopend wanneer het zwembad in gebruik is. Het gebruik van het zwembad terwijl het Roldeck gedeeltelijk of volledig gesloten is kan leiden tot letsel en/of beschadiging van het Roldeck.

 Niet op het Roldeck staan/lopen.



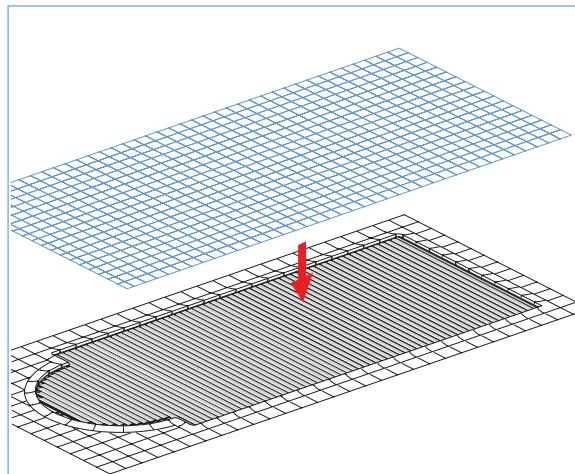
3.5 Ontkalken

Zie voor gebruik de aanwijzingen op de verpakking.



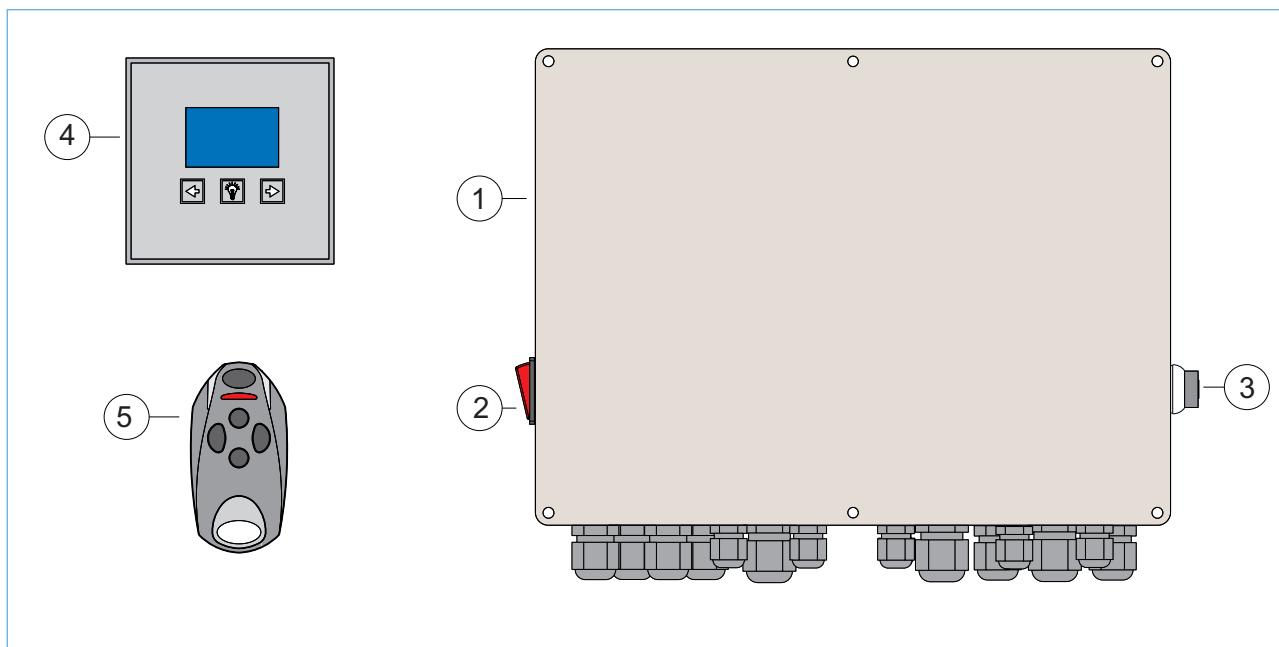
3.6 Winterklaar maken

- Gebruik van het winternet met het Roldeck open leidt tot een gevaarlijke situatie. Na sneeuwval is het zwembad niet zichtbaar.
- Gebruik van het winternet met het Roldeck dicht leidt tot weliswaar vervuiling ervan, maar de veiligheid is beter gewaarborgd.



4 Bediening

4.1 Overzicht besturing



- 1 Roldeck besturingskast RDEB 2013
- 2 Aan/uit schakelaar
- 3 Sleutelschakelaar / Noodstop
- 4 S-Switch bedieningspaneel
- 5 Afstandsbediening

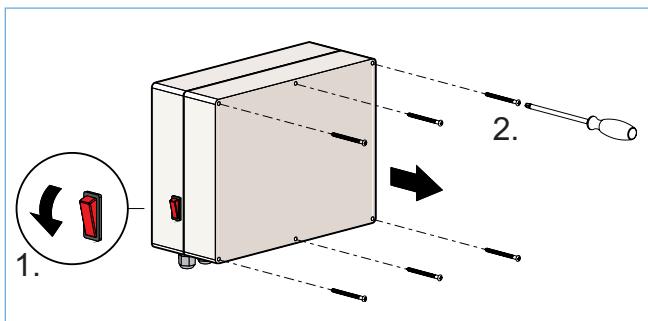
4.2 Verwijderen van het RDEB2013 voorpaneel

VERWIJDEREN VAN RDEB2013 PANEEL



LET OP:

1. Vóór het openen van de behuizing dient het apparaat spanningsvrij te worden gemaakt.
 2. Demonteer de 6 schroeven van het voorpaneel van de besturingskast.
- Neem het voorpaneel van de besturingskast weg.



TERUGPLAATSEN VAN RDEB2013 PANEEL

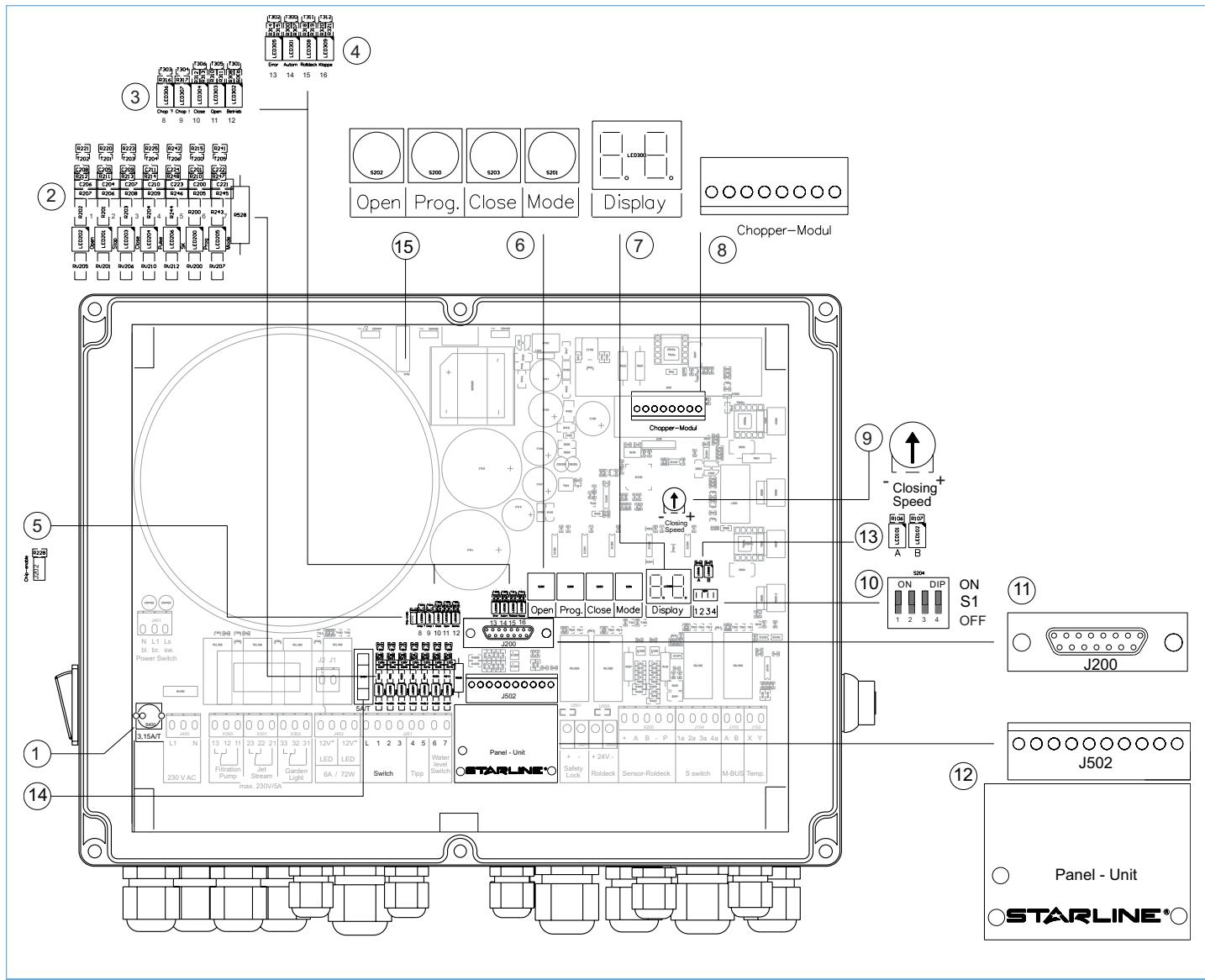
Plaats het voorpaneel terug op de behuizing en draai de schroeven kruislings vast.



LET OP:

Zorg dat het voorpaneel geheel sluit op de behuizing omdat anders condens in de behuizing kan ontstaan, die de RDEB2013 kan beschadigen.

4.3 Overzicht RDEB2013 Roldeckbesturingskast

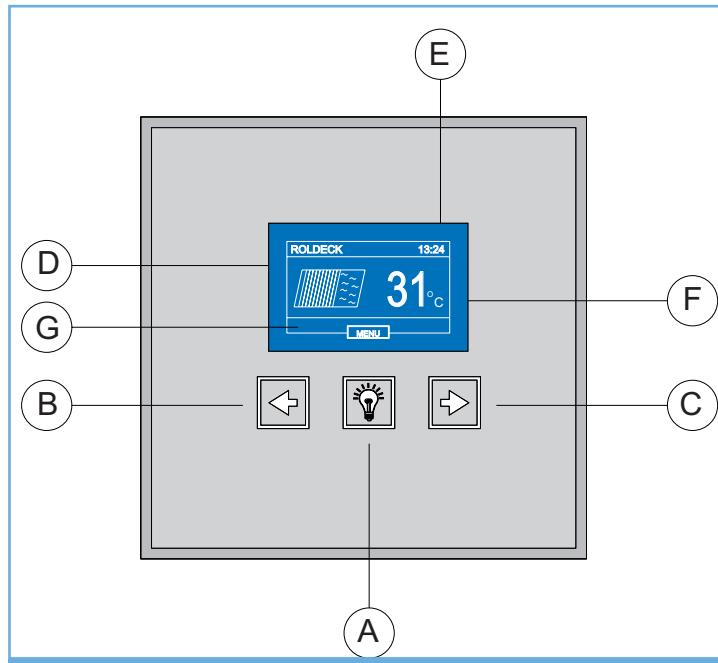


- Zekering primair 230V / 3.15 A T
- LED 01 t/m 07
- LED 08 t/m 12
- LED 13 t/m 16
- Jumper aansluiting (voor programmeren)
- Programmeer toetsen
- Display
- Rem module
- Instellen "close" snelheid
- DIP Switch S1
- Connector tbv programmeerstekker
- Automatische klep module
- LED A & B Motor sensor signaal
- Zekering 12V LED lampen
- Steekzekering15A

4.4 S-Switch bedieningspaneel

Met de pijltoetsen ⇡ of ⇢ kan het Roldeck “geopend” of “gesloten” worden.

Door tijdens het openen of sluiten van het Roldeck een van de drie toetsen in te drukken stopt het Roldeck.



	Functie	Beschrijving
A	“Mode” – toets	Door deze toets meer dan 3 seconden in te drukken gaat u naar het instel menu. U ziet bijvoorbeeld: <ul style="list-style-type: none"> • Informatie besturingkast • Temperatuur kalibreren • Extra afstandsbedieningen programmeren • Datum / tijd instellen
		Door deze toets kort in te drukken, zal uw onderwaterverlichting in / uitschakelen. Wanneer de verlichting is ingeschakeld en u vervolgens twee keer deze toest indrukt, zal u schakelen tussen kleuren bij LED RGB.
		Auto Lock functie: Na 15 minuten “locked” de S-Switch ontgrendelen door enkele seconden de menu toets ingedrukt te houden.
B	“Open” toets	Door deze toets in te drukken, wordt het Roldeck opgerold.
C	“Close” toets	Door deze toets in te drukken, wordt het Roldeck afgerold.
D	Control – “Open” / “Close”	Status aflezen van het Roldeck en overige functies.
E	Tijd	Tijdsaanduiding
F	Temperatuur	Watertemperatuur aflezen (optioneel)
G	Indicator symbolen	Geeft bijv. aan of lichten of jetstream aan staan.

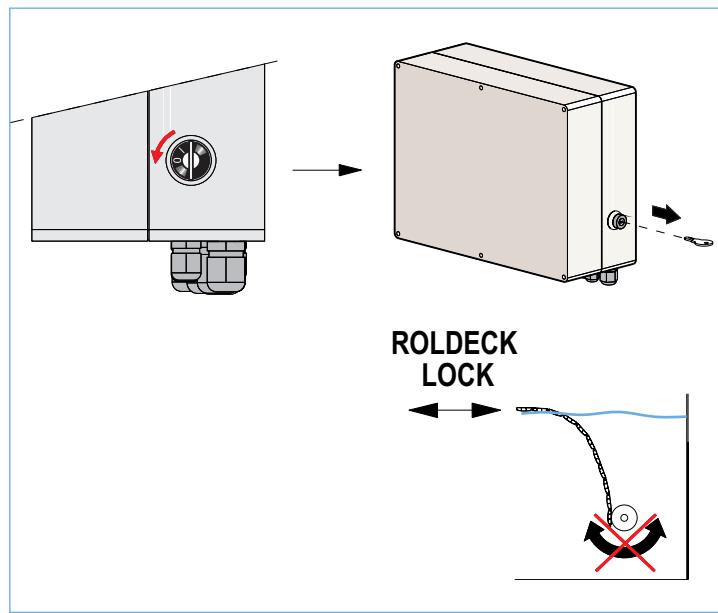
4.5 Bediening sleutelschakelaar



LET OP:

Om het Roldeck te kunnen bedienen moet de sleutelschakelaar in stand 1 staan.

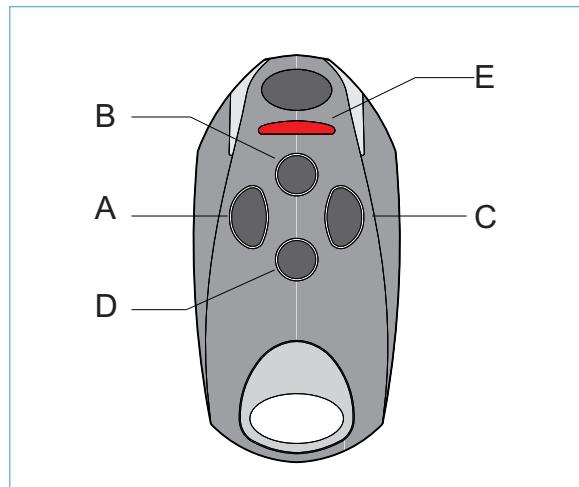
Als de sleutelschakelaar in stand 0 staat werkt deze als noodstop en is het Roldeck niet bedienbaar.



4.6 Afstandsbediening

- A Roldeck open / stop /close.
- B Zwembadverlichting
- C Jetstream
- D Tuinverlichting
- E LED: geeft aan dat de afstandsbediening functioneert.

Roldeck open / stop /close (A).
Met de knop (A) kan het Roldeck "geopend" of "gesloten" worden.



Notes

- ⚠**
- Zorg bij het openen en sluiten ervoor dat er zicht is op het zwembad;
 - In de sluitfunctie is een vertraging ingebouwd.

5 Programmeren Roldeckbesturing met de S-Switch

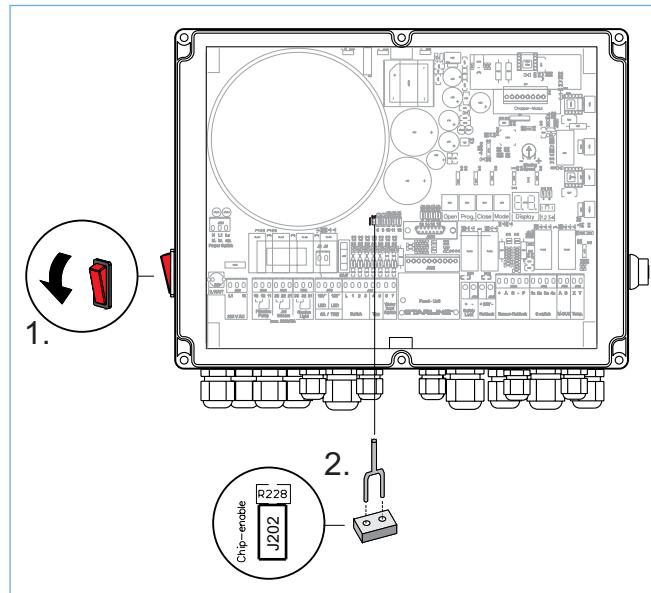
5.1 Roldeckbesturing

Het programmeren van de Roldeck-besturing vindt plaats met behulp van het S-switch bedieningspaneel.

- Zet eerst de besturing aan door middel van de rode schakelaar (1) en plaats de jumper op de 2 connector aansluitingen (2).

! Laat de jumper erin zitten gedurende gebruik.

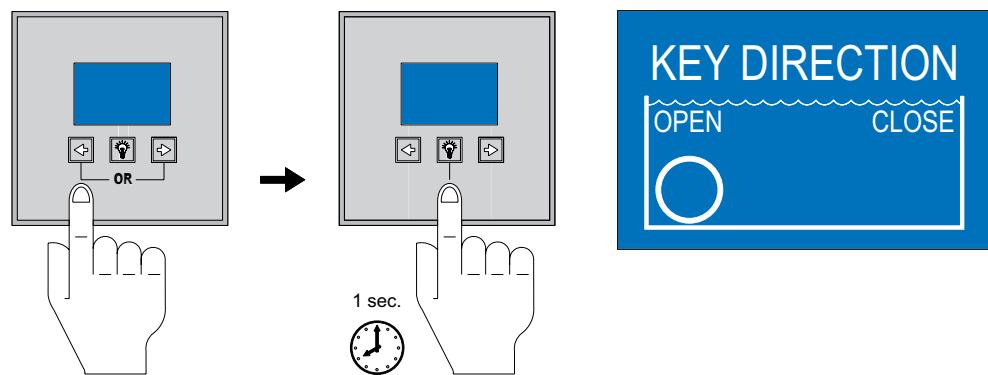
! Het programmeren van het Roldeck met automatische bodemklep is niet mogelijk met de S-switch!



Het scherm toont het volgende beeld "programmeren" van het Roldeck.
De looprichting van de Roldeck kan veranderd worden.



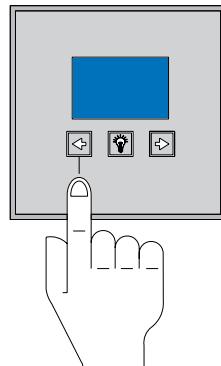
Gebruik tijdens de eerste programmering de pijltoetsen ⇡ of ⇢ om de looprichting te veranderen. Druk kort op de middelste toets "lamp symbool" om de looprichting op te slaan.



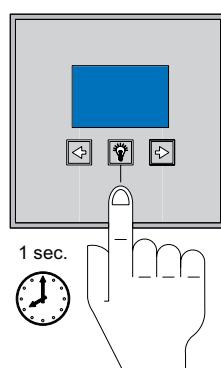
Het scherm toont het volgende beeld. Er kan worden gestart met het programmeren van de "OPEN" positie van het Roldeck.
De looprichting van het Roldeck wordt aangegeven door de pijl ⇲.
De "✗" geeft weer dat de motor niet herkend wordt.



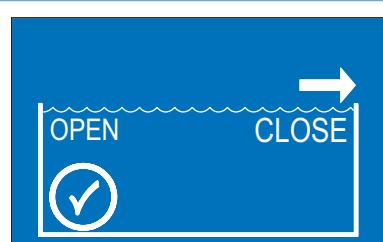
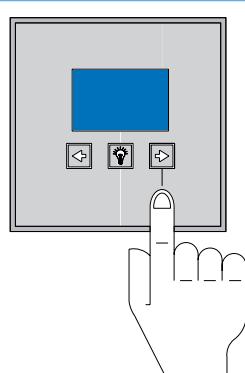
De "OPEN" -positie wordt geprogrammeerd door de ⇲ in te drukken. Houd de pijltoets ⇲ ingedrukt totdat het Roldeck volledig geopend is. De pijl boven de positie "open" knippert. Het type aandrijfmotor wordt automatisch herkend.
Dit wordt weergegeven met het "✓" symbol.



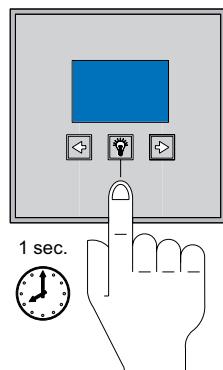
Druk de middelste toets "lamp symbol" een keer in om de "OPEN" positie op te slaan. De zandloper "⌚" geeft een korte wachttijd aan.



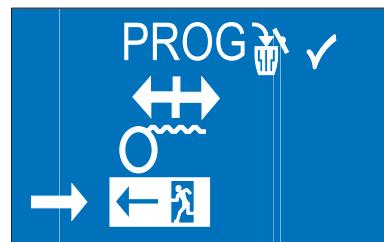
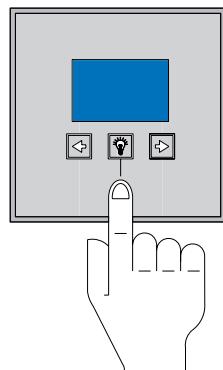
Aansluitend hierop moet de "CLOSE" positie worden geprogrammeerd.
Het display vraagt hier automatisch om. Door de pijltoets ⇒ te bevestigen wordt de motor herkend. Houd de pijltoets ⇒ ingedrukt totdat de Roldeck volledig is gesloten.



Druk de middelste toets "lamp symbool" weer een keer in om de "CLOSE"-positie op te slaan. De zandloper "⌚" geeft weer een korte wachttijd aan.



Zodra het Roldeck is geprogrammeerd, verandert het display in het programmeer hoofdmenu. De "✓" geeft aan dat de programmering geslaagd is.
Opmerking: door het lamp symbool aan te raken wordt de programmering beëindigd. Verwijder ook de jumper op de printplaat van de besturing!
Voor "fijn" afstelling Roldeck zie vervolg pagina's.



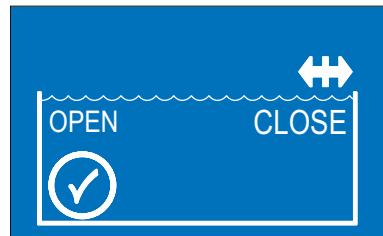
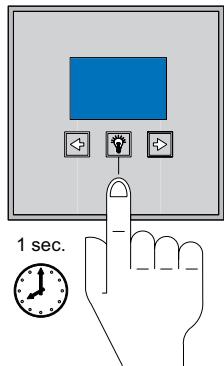
5.2 Fijninstellen Roldeck met de S-Switch

Via de S-Switch kan nu alleen nog de fijn instelling van de Roldeck programmering worden uitgevoerd.

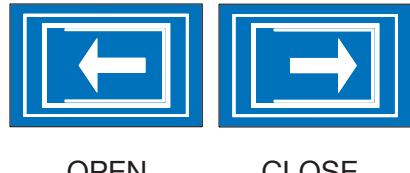
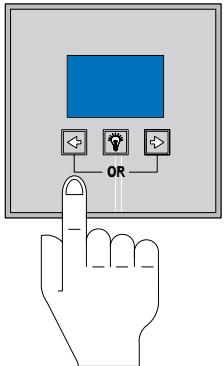
Druk op de rechtse pijl om naar het menu “fijn afstelling” te gaan en bevestig het menu met een druk op het lampsymbool. Nu kan de fijn afstelling uitgevoerd worden. De positie van het Roldeck kan nu alleen nog met de pijltoulsen \leftarrow of \rightarrow aan te raken aangepast worden.



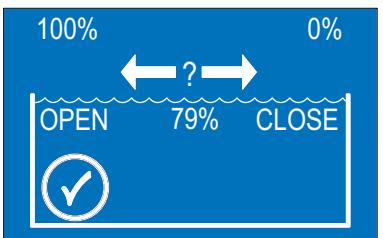
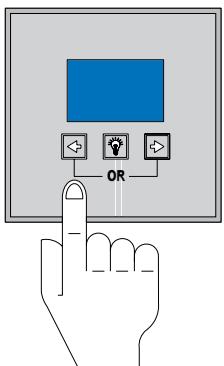
Druk kort op de middelste toets “lamp symbool” om de fijninstelling op te roepen. (\leftrightarrow | \Rightarrow knippert). De Roldeck is in de “CLOSE” positie, dit geeft aan dat er een fijnafstelling mogelijk is voor de positie “close”.



Het Roldeck wordt met de pijlen \leftarrow “OPEN” of \Rightarrow “CLOSE”. naar de juiste positie gebracht.



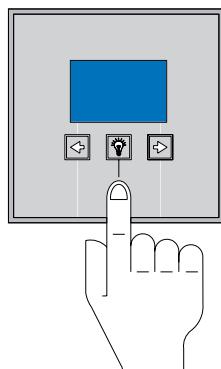
De fijninstelling van het Roldeck wordt in procenten weergegeven.



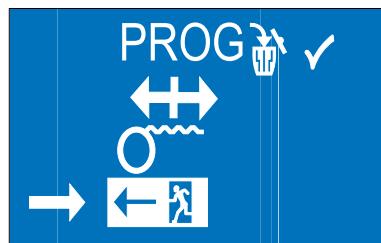
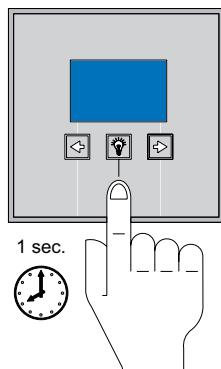
De positie van het Roldeck wordt opgeslagen met de toets "lamp symbool"

Na het programmeren van de fijninstelling geeft de S-Switch aan of de programmering geslaagd of niet geslaagd is.

Bij een juiste programmering wordt een "✓" getoond.



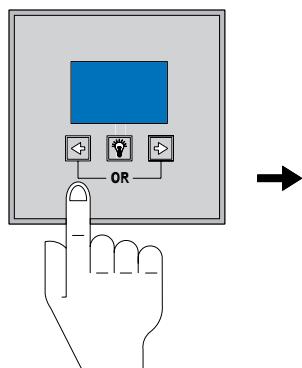
Is de programmering goed dan kan door de pijlknoppen ⇡ of ⇢ het symbool "Exit" gekozen worden om de programmering af te sluiten. Druk vervolgens de middelste toets "lamp symbool" kort in om het programma af te sluiten.



De programmering is voltooid.

Verwijder ook de Jumper "B" op de printplaat van de besturing.

Onjuiste programmering toont "✗". Dit is mogelijk wanneer er slechts één of geen positie is geprogrammeerd. Bij een onjuiste programmering moet hele programmering eerst worden verwijderd. Selecteer met behulp van de pijl toetsen ⇡ of ⇢ (PROG "✗") en druk hierna op het lampsymbool. Het programma is verwijderd. Start opnieuw met het programmeren van het Roldeck.

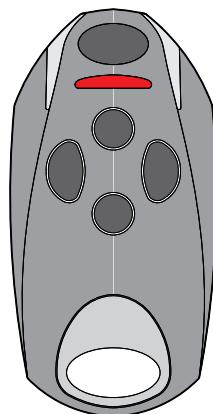


5.3 Afstandsbediening programmeren

De zender van de afstandsbediening is voorgeprogrammeerd.

Als de zender wordt vervangen, of als het aantal zenders wordt uitgebreid, volg dan de onderstaande procedure.

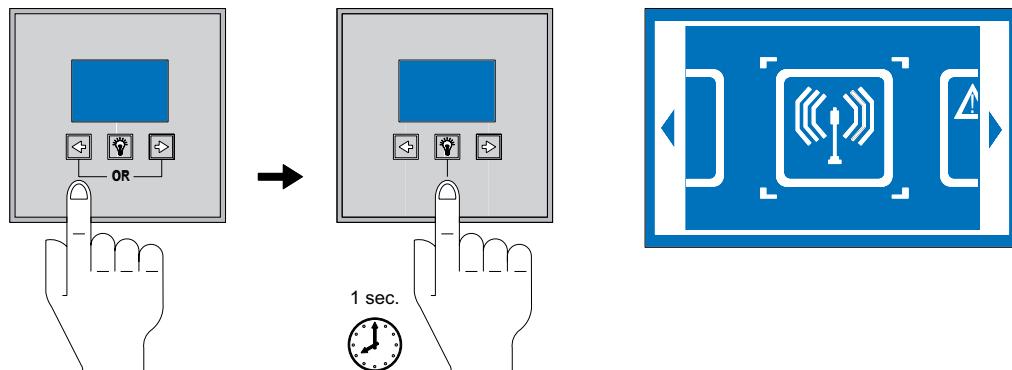
 Let er bij het programmeren op dat de zender en ontvanger niet verder dan 5 meter van elkaar verwijderd zijn.



Met de pijltjes toetsen ⇡ of ⇢ kunnen weer alle anderen menu-items

geselecteerd worden.

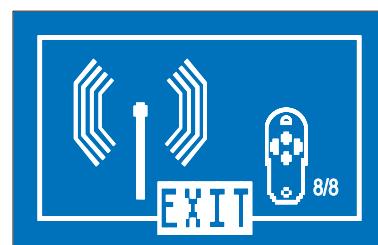
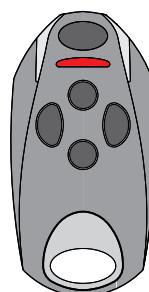
Selecteer het symbool “antenne” en bevestig deze met het “lamp symbool”.



Het symbool “antenne & afstandsbediening” is nu actief.

Om de zender te programmeren dient 1 van de 4 toetsen op de afstandsbediening te worden ingedrukt.

Wanneer de zender herkent wordt, sluit het menu “programmeren zender” direct af.



Zender / ontvanger zijn geprogrammeerd.

Er kunnen maximaal 8 handzenders geprogrammeerd worden.

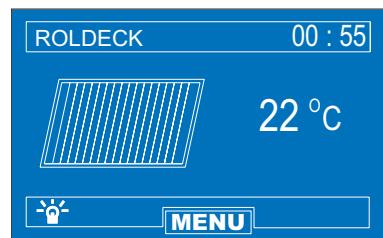
Voor aantal geprogrammeerde handzenders zie links onder in display.

Functies afstandsbediening

Zwembadverlichting (B).

Met de knop (B) kan de zwembadverlichting aan of uitgeschakeld worden. Indien de zwembadverlichting aan is, en het Roldeck wordt in werking gesteld gaat de zwembadverlichting uit. Nadat het Roldeck gestopt is gaat de zwembadverlichting weer aan. Het lampsymbool licht in de display op.

Druk op knop (B) om de zwembadverlichting in te schakelen, houd vervolgens knop (A) enkele seconden ingedrukt om te schakelen tussen de kleuren bij LED RGB.



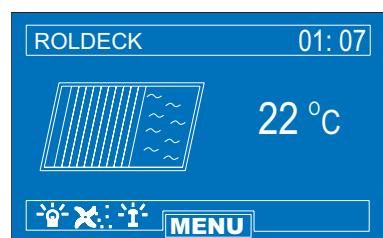
↑
Zwembadverlichting AAN

Jetstream (C) en tuinverlichting (D).

Deze functies kunnen alleen aan en uit geschakeld worden met de meegeleverde afstandsbediening.

Door één druk op de knop van de afstandsbediening wordt de functie ingeschakeld.

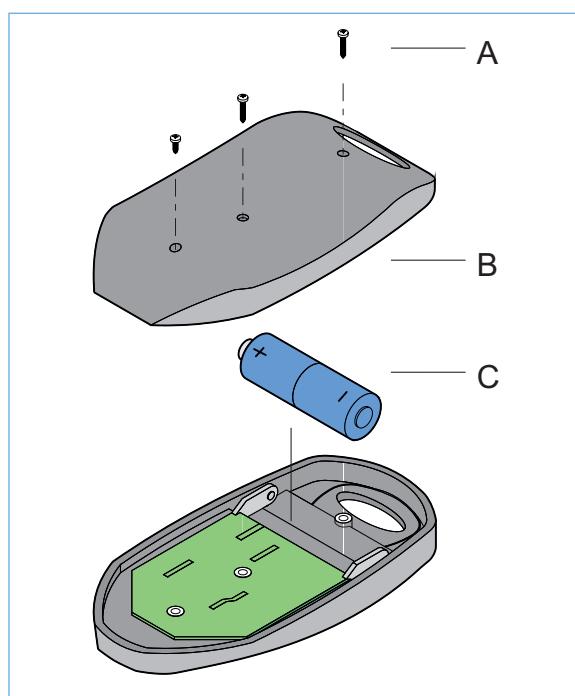
Indien de knop op de afstandsbediening opnieuw wordt ingedrukt wordt de functie weer uitgeschakeld.



↑
↑
Tuinverlichting AAN
Jetstream AAN

Batterij vervangen

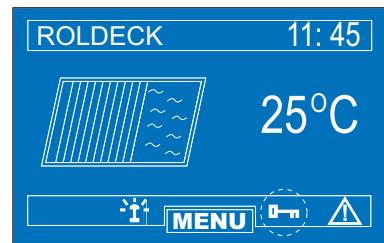
- Verwijder de 3 schroeven (A) uit de bodem van de behuizing.
- Verwijder het bodemplaatje (B).
- Vervang de batterij door eenzelfde exemplaar (A23 12 V).
- Let op de polariteit.



Frequentie: 433.92 MHz.

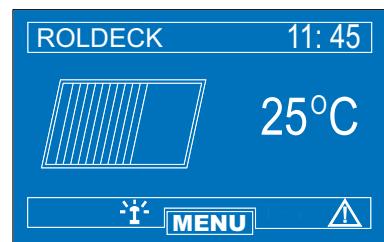
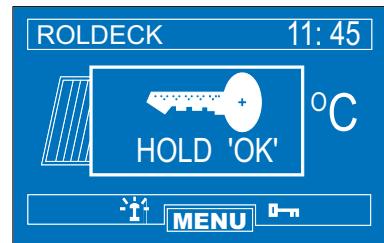
5.4 Toetsenblokkering opheffen

Het display toont dat de toetsenblokkering actief is.



Bij het indrukken van een willekeurige toets, zal het scherm met "KEY LOCK HOLD OK" automatisch na 15 minuten (time-out) worden weergegeven.

Als het scherm met "KEY LOCK HOLD OK" wordt weergegeven, druk 3 seconden op de OK- toets om te ontgrendelen.



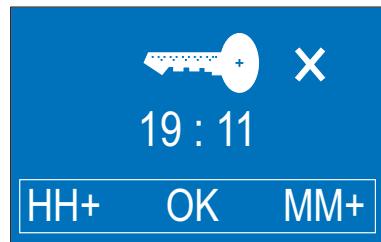
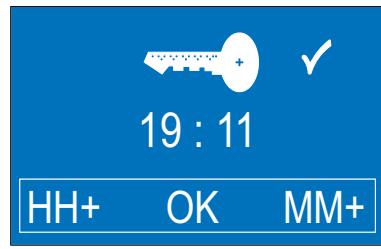
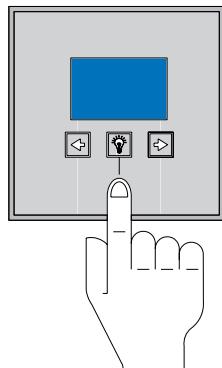
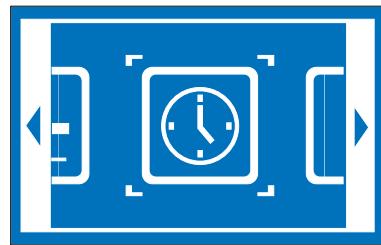
5.5 AutoLock functie

Door de middelste toets "lamp symbool" 3 seconden in te drukken wordt het menu van de S-Switch geopend. Door de pijltoetsen \leftarrow of \rightarrow kort in te drukken kan er door het menu gescrolld worden.

Selecteer het symbool "tijd" en bevestig deze met een het "lamp symbool". Het is nu mogelijk om de Autolock functie in- of uit te schakelen.

Door de toets "lampsymbool" in te drukken kan de AutoLock functie worden in- of uitgeschakeld.

De tijd wordt ingesteld met de pijltjestoetsen \leftarrow or \rightarrow .
Symbool " \leftarrow " voor instellen van uren,
Symbool " \rightarrow " voor instellen van minuten
Hierna de tijd bevestigen door de "lampsymbool" toets 3 seconden in te drukken.
Het menu keert terug naar symbool tijd.

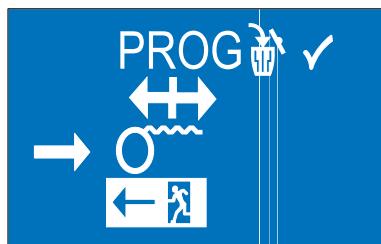
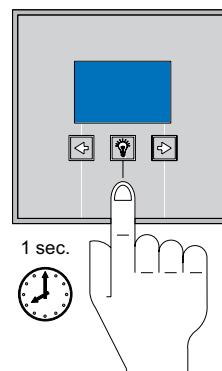


5.6 Positie van het Roldeck veranderen (achteraf)

Zet eerst de besturing aan door middel van de rode schakelaar (1) en plaats de jumper van de RDEB2013 op de 2 connector aansluitingen (2).

De positie van de Roldeck kan na het programmeren worden veranderd door op de "lampsymbool" toets van de S-Switch te drukken.

Ga dan naar "Exit".



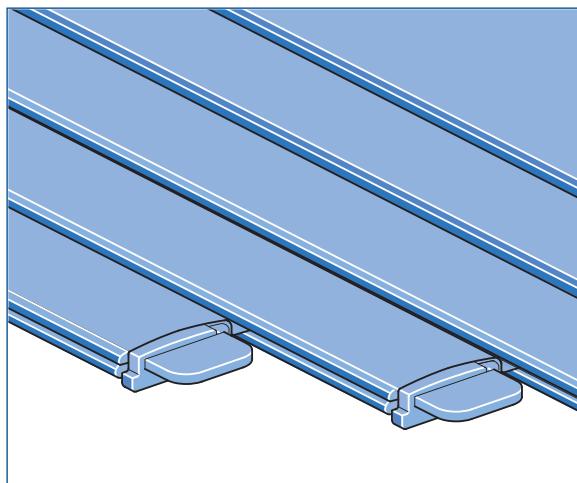
6 Reiniging en onderhoud

6.1 Lamellen

Reinig de lamellenafdekking minimaal tweemaal per jaar met een hogedrukreiniger en harde borstel. Algaanslag aan de lamellen kan zich zowel aan de bovenzijde als aan de onderzijde van het Roldeck ontwikkelen.

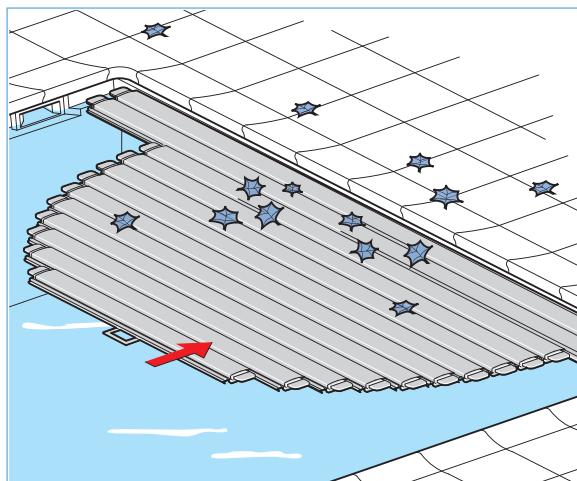


- De filterinstallatie dient overdag te zijn ingeschakeld aangezien zich anders warmte onder de afdekking ophoopt, waardoor blijvende vervorming van de lamellen optreedt.
- Hanteer de hogedrukreiniger met beleid.
- Lamellen dienen nooit aan de zon te worden blootgesteld als deze niet in contact zijn met het water.



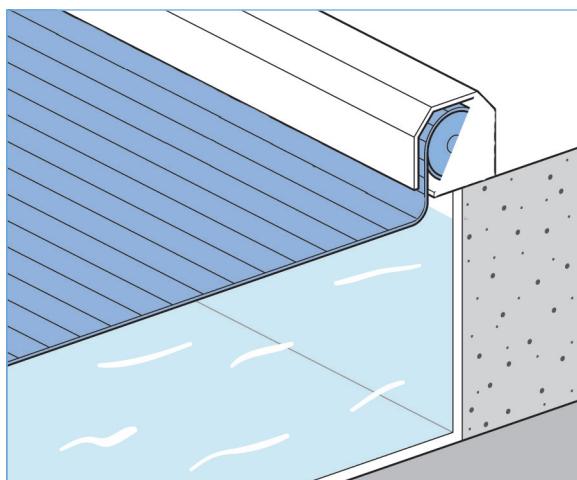
6.2 Vuil

Verwijder voor het sluiten bladeren en ander vuil. Het voorkomt vervuiling van de rolnis.



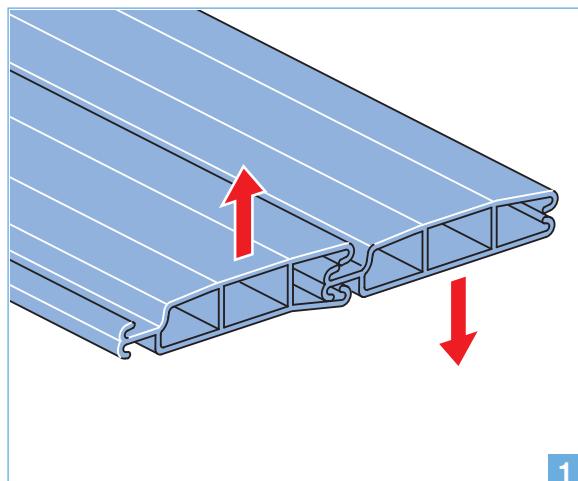
6.3 Overkapping

Reinig de overkapping met een hogedrukreiniger en zachte borstel of spons.



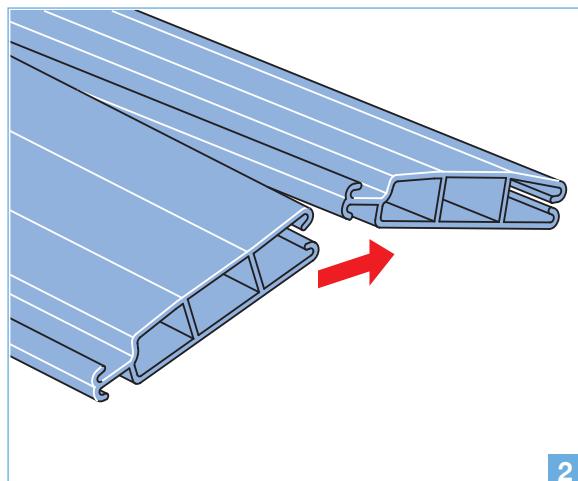
6.4 Uit elkaar halen lamellen

Door de linker lamel ten opzichte van de rechter lamel (kan in spiegelbeeld zijn) omhoog te bewegen kan het bovenste haakje van de rechter lamel uit de sluiting komen. Vervolgens kan het onderste haakje uit de sluiting genomen worden.



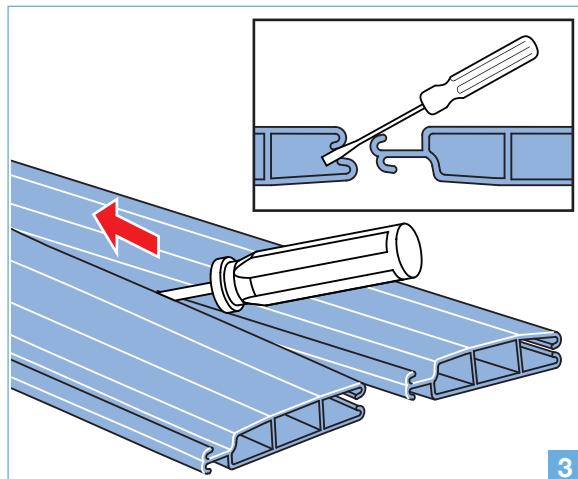
1

Nu kunnen de lamellen over een lengte van ongeveer 10 cm gesplitst worden.



2

Gebruik een schroevendraaier om de lamellen over de hele lengte te splitsen.

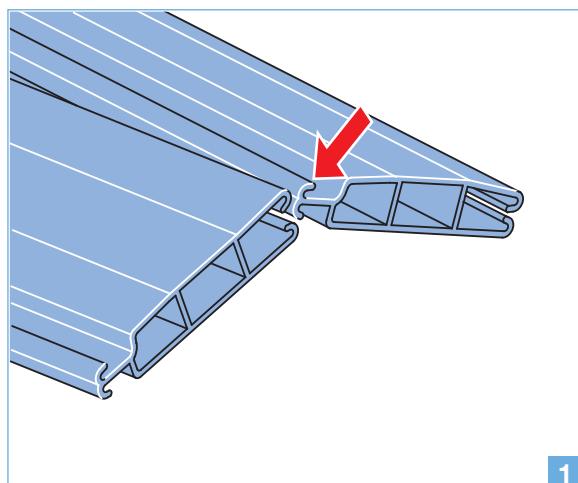


3

6.5 In elkaar zetten lamellen

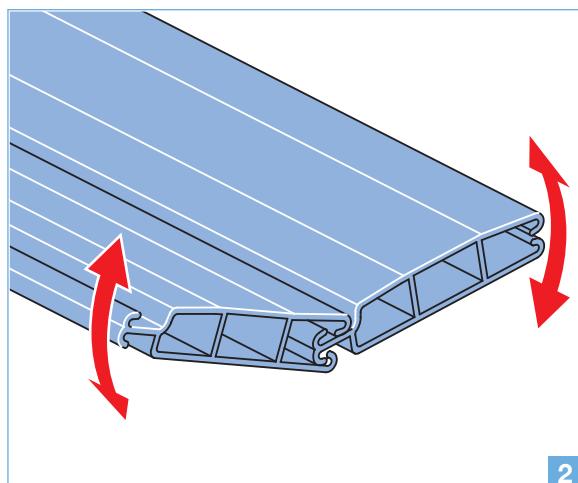
Breng de lamellen naar elkaar toe.

Klik de haken in elkaar, te beginnen met de onderste haak van de rechter lamel (kan in spiegelbeeld zijn).



1

Probeer door op en neer te bewegen de verbinding over de gehele lengte van de lamellen tot stand te brengen.

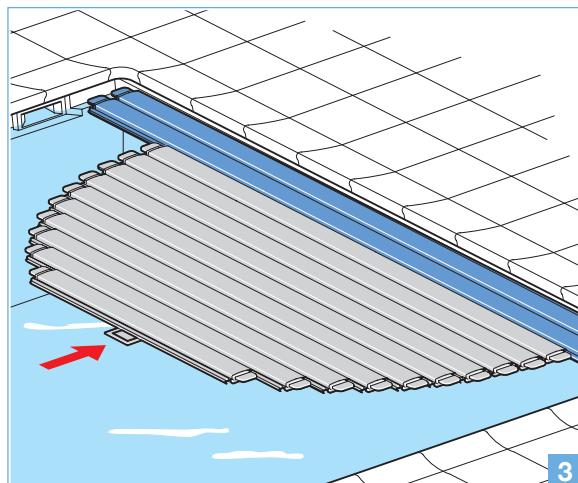


2

Opmerking



Schuif het Roldeck zo dicht mogelijk naar de rand. Dit vergemakkelijkt het vervangen van de lamellen.

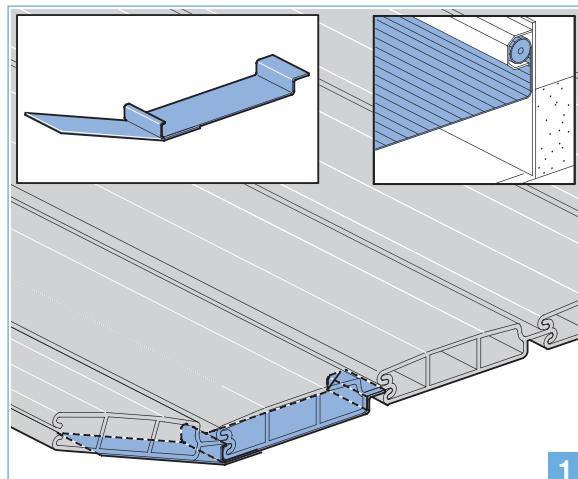


3

6.6 Clips en beugels

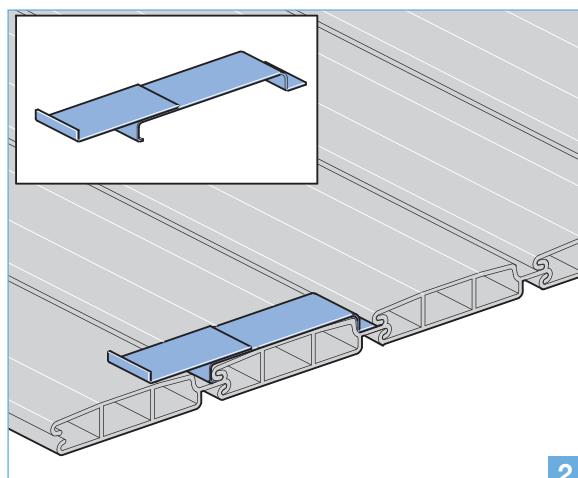
Richtinggeleiding beugel

De richtinggeleiding beugel dient ervoor om de lamellen, wanneer deze vanuit een opbouwinstructie naar beneden het water ingaan, de juiste richting uit laten gaan. Door de clip staat de eerste lamel onder een hoek ten opzichte van de tweede lamel, zodat er een boeg wordt gevormd als bij een boot.



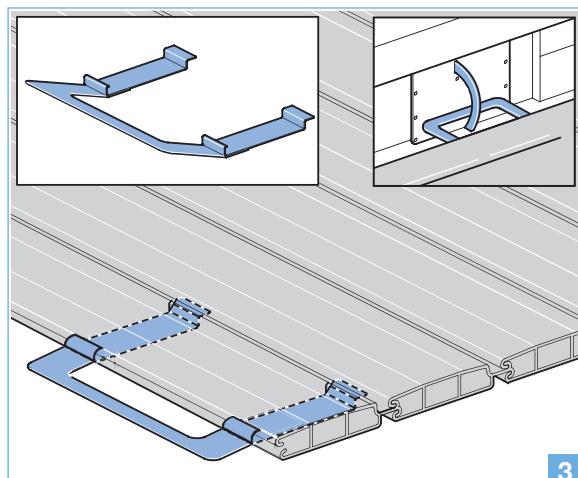
Antislipclip

De antislipclip is bedoeld om bij een roldeck met een extreem vormgegeven inloop trapgedeelte het aflijden van de lamellen in de nis te voorkomen. Wanneer de eindklant deze vindt dient hij de installateur te waarschuwen om de clips terug te plaatsen. Voor de eindklant is het erg moeilijk om de juiste positie te bepalen.



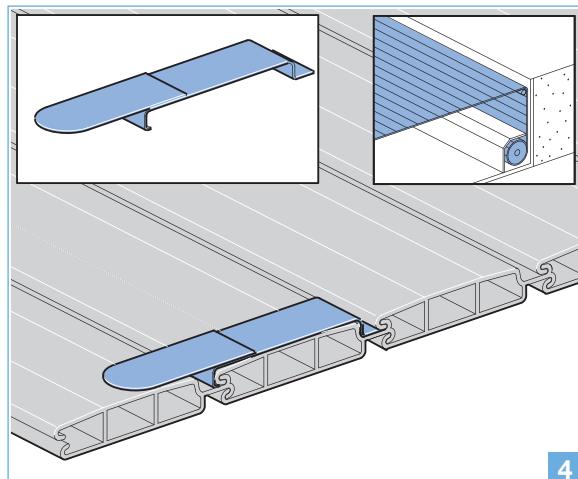
Kinderveiligheidsbeugel

De kinderveiligheidsbeugel zit op de eerste lamel gemonteerd en dient als slotgat voor de haak van het kinderveiligheidsslot zodat het roldeck niet kan worden opgeduwd.



Richtinggeleiding beugel inbouw

De functie van de richtinggeleiding beugel inbouw is om de lamellen die van uit het water omhoog komen de juiste richting op te geleiden. Doordat de clip aan de tweede lamel is gemonteerd zorgt het afgeronde deel ervoor dat de eerste lamel maar een kant op kan schanieren.



6.7 Ontkalken

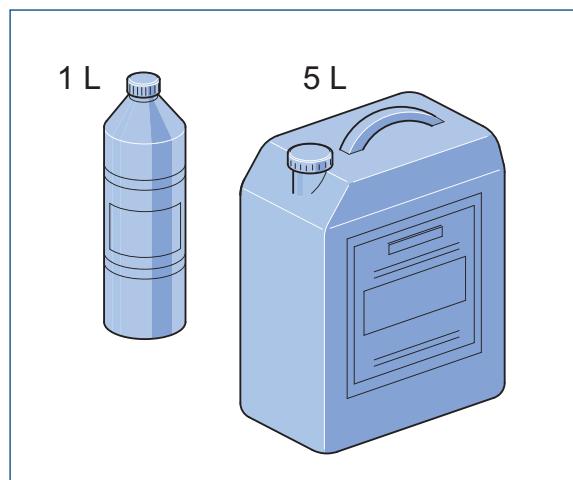
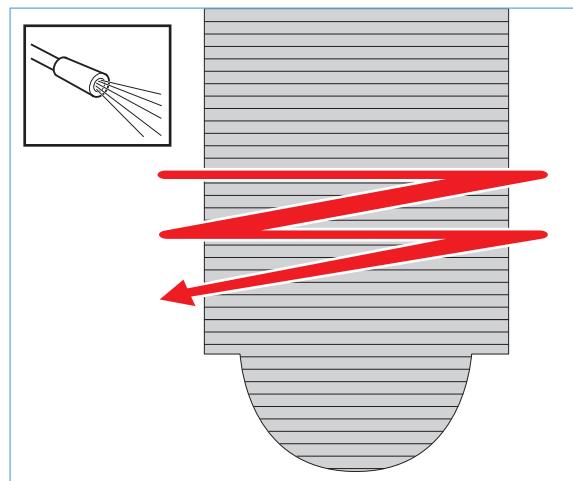
Kalkaanslag aan de lamellen kan zich aan de bovenzijde van de lamel ontwikkelen.

- Bevochtig de lamellenafdekking door de ontkalker met een nevelspuit over de afdekking te verdelen (1 liter per 10 m²).
- Laat de ontkalker gedurende 1 à 2 uur op het oppervlak inwerken.
- Spuit het roldeck af in banen van links naar rechts zodat alle kalk uit de groeven wordt gespoten. Indien nodig de lamellen eerst met een schrobber af borstelen.
- Het bad/stofzuigen om het vuil dat door het schoonmaken ontstaat te verwijderen.
- Hierna het filter terugspoelen.
- Herstel de pH-waarde van het water door toevoeging van Starline pH+.

De ontkalker is na enkele dagen uit het water verdwenen.



Hanteer de hogedrukreiniger met beleid.



WAARSCHUWING:

- Lees voor gebruik eerst de instructies op de verpakking.
- Houd ontkalker buiten bereik van kinderen.
- Houd ontkalker uit de buurt van eet- en drinkwaren en van diervoeder.
- Voorkom dat ontkalker in aanraking komt met de huid.
- Voorkom dat ontkalker in aanraking komt met de ogen. Bij aanraking met de ogen onmiddellijk met overvloedig water afspoelen en deskundig medisch advies inwinnen.
- Zorg er bij gebruik van een nevelspuit voor dat het zwembadterras niet door ontkalker wordt uitgebeten.
- Wacht na het gebruiken van ontkalker minstens twee uur voordat het zwembad weer in gebruik wordt genomen.
- Indien de ontkalker herhaaldelijk achter elkaar wordt gebruikt, hanteer dan in verband met de waterhuishouding een tussenperiode van 1 à 2 dagen.
- Voer zowel het materiaal als de verpakking af als chemisch afval.

7 Storingen

7.1 Overzicht foutmeldingen RDEB2013

Raadpleeg onderstaande storingstabel in geval van een display fout.
Neem zonodig contact op met de installateur.

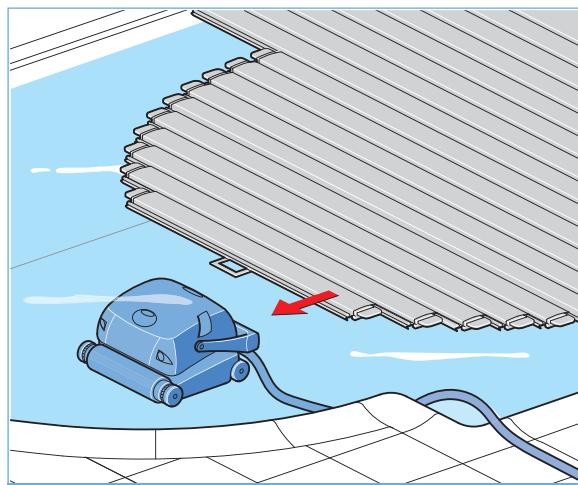
Display fout	Omschrijving
F01	<ul style="list-style-type: none"> Geen sensorsignaal bij start motor
F02	<ul style="list-style-type: none"> Geen sensorsignaal tijdens bedrijf motor
F03	<ul style="list-style-type: none"> Foute draairichting (50 pulsen in verkeerde richting)
F04	<ul style="list-style-type: none"> Kortsluiting (motorstroom > 30A)
F05	<ul style="list-style-type: none"> Te veel stroom (motorstroom voor 10 s > 9,5 A)
F06	<ul style="list-style-type: none"> Runtime error (Roldeck > 900s, klep > 120s)
F07	<ul style="list-style-type: none"> Overspanning (motorspanning voor 5s > 45V)
F09	<ul style="list-style-type: none"> Te hoge temperatuur chopper-module (temp > 100 ° C)
F10	<ul style="list-style-type: none"> Sensor kortsluiting (sensor ingangen A&B)
F11	<ul style="list-style-type: none"> Sensor fout (beide sensoren zijn verschillend)
F12	<ul style="list-style-type: none"> Absolute overspanning (motorspanning > 60V)
F21	<ul style="list-style-type: none"> Ingang Water niveau sensor open (Model RD: SK)
F22	<ul style="list-style-type: none"> Sleutelschakelaar op "0"
F31	<ul style="list-style-type: none"> Onder druk Roldeckaandrijving, te lage druk in buismotor Roldeck
F32	<ul style="list-style-type: none"> Onder druk klepaandrijving, te lage druk in buismotor automatische klep

Bij foutmelding F04, F11 en F12: besturing uitschakelen.

7.2 Voorkomen van storingen

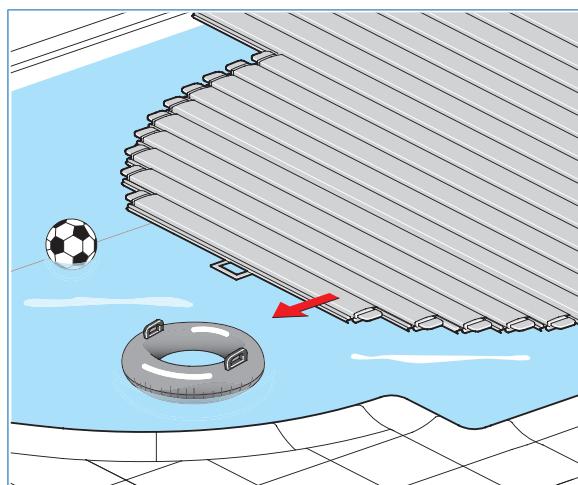


Let op dat bij het bewegen van het Roldeck bodemstofzuigerslang niet meegetrokken wordt.



Obstakels

Verwijder voor het openen en sluiten alle drijvende voorwerpen uit het water en van het Roldeck.

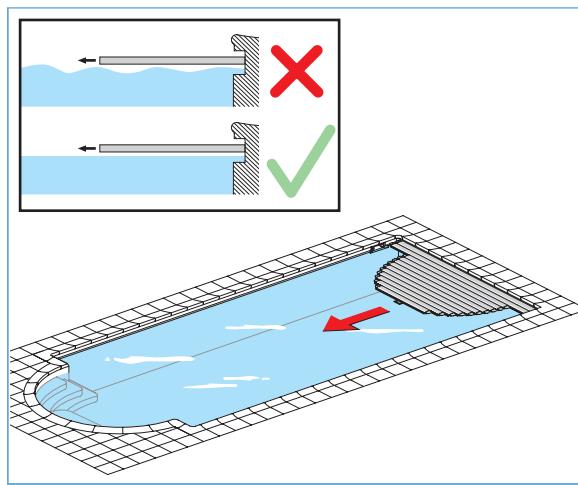


Golfslag

Wacht met sluiten totdat de golfslag in het water is verdwenen en het water zich rustig gedraagt.



Wacht minimaal 30 seconden.



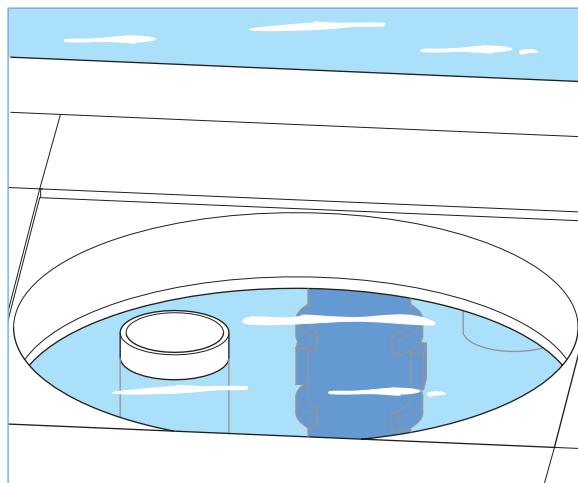
7.3 Waterniveau regeling

Niveauregelaar

De waterniveauregeling is een combinatie van een Starline niveauregelaar en een overloop.

De niveauregeling dient voor het optimaal nivelleren van het waterniveau in het zwembad.

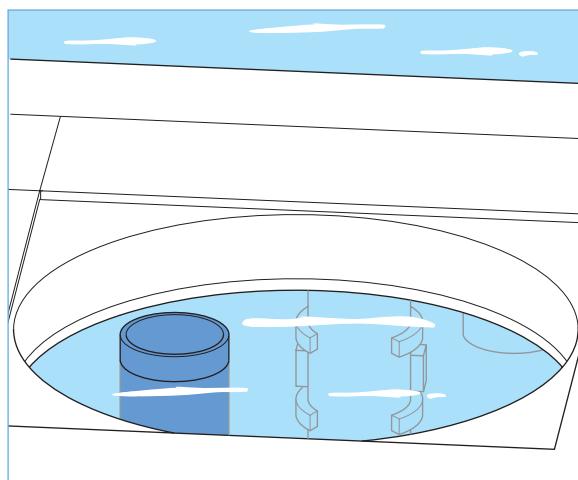
Houd het waterniveau op het juiste peil zodat het Roldeck geen hinder ondervindt van randstenen, de veiligheidsrand of grijpstangen.



Overloop

De overloop in de skimmer zorgt ervoor dat overtollig water onmiddellijk wordt afgevoerd in het riool.

De juiste waterstand wordt door installateur ingesteld.

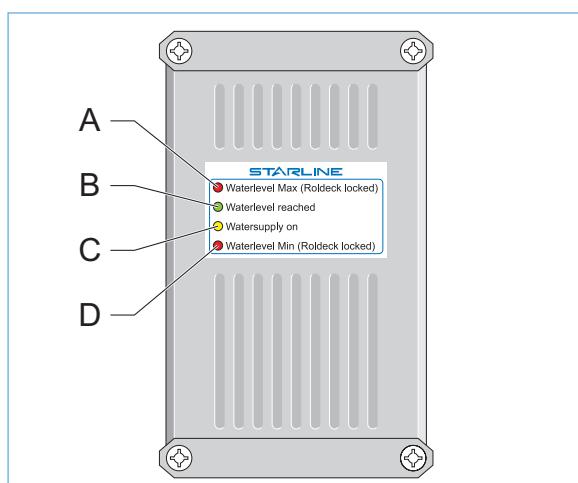


Niveauregelaar

De niveauregelaar is voorzien van 4 LED-indicaties:

- A Max. waterniveau (Roldeck kan niet openen of sluiten)
- B Waterniveau goed
- C Watertoevoer aan
- D Min. waterniveau (zie A)

Als alle LED's branden heeft de niveauregelaar 12 achter elkaar bijgevuld, als LED A+D branden is er een miscommunicatie tussen de sensor en de niveaubesturing. Raadpleeg dan uw installateur.



7.4 Manual Roldeck Operation

Als de motor van het roldeck niet meer functioneert als gevolg van een storing aan de sensor (foutcode afleesbaar in LED display of s-switch).

De functie van de sensor wordt uitgeschakeld door middel van een knoppen/ jumper.

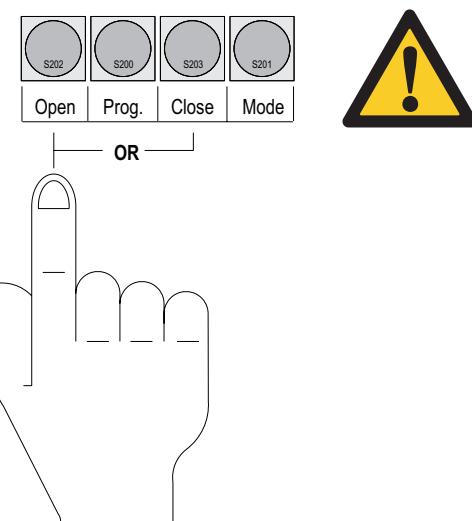
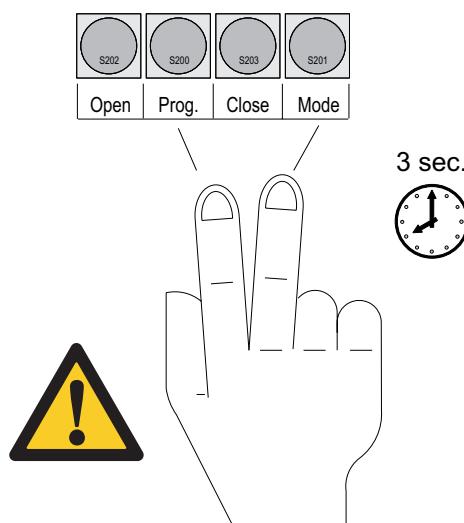
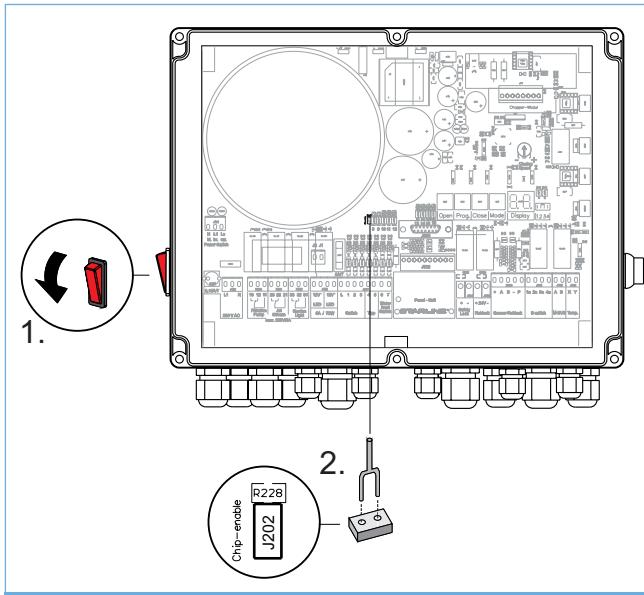
Zet eerst de besturing aan door middel van de rode schakelaar (1) en plaats de jumper van de RD2013 in de connector (2).

Druk dan gedurende 3 seconden gelijktijdig de knoppen “prog” and “mode” in.

De handmatige Roldeck bediening is een nooddingreep, hierdoor zal de ingestelde begin en eindstand (programma) gewist worden uit het geheugen en deze zullen opnieuw moeten worden geprogrammeerd.

Vervolgens kan het Roldeck handmatig worden bedient door op de “open” knop in de besturingskast ingedrukt te houden tot het Roldeck zich in de gewenste positie bevindt.

Het Roldeck stopt niet automatisch, let bij het openen of sluiten van het Roldeck dat het Roldeck niet te ver doorloopt.



8 Technische specificaties

Materiaal lamellen	Hard PVC / PC				
Gewicht lamellen	4,8 kg/m ² - 5 kg/m ²				
Beschikbare kleuren	Wit Blauw Grijs Crème Transparant (vooral geschikt voor binnenbaden) Solar (speciaal voor buitenbaden)				
Besturing	RDEB2013 microprocessor gestuurd (EEPROM) 230 V / 24 V				
Aandrijving	24 V separate aandrijfmotor / ingebouwde buismotor				
Isolatiewaarde	4 - 6 W/m ² K (afhankelijk van windsnelheid/-richting)				
Energiebesparing	<table> <tr> <td>Binnenbad</td> <td>tot 70 %</td> </tr> <tr> <td>Buitenbad</td> <td>60 - 80 %</td> </tr> </table>	Binnenbad	tot 70 %	Buitenbad	60 - 80 %
Binnenbad	tot 70 %				
Buitenbad	60 - 80 %				

8.1 Externe motor / Buismotor

Type	
Bouwjaar	
Serienummer	

8.2 RDEB2013

Type	
Bouwjaar	
Serienummer	

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1 General

1.1 Propósito de este manual

Este manual describe el uso diario de la Roldeck Starline.

Lea cuidadosamente el manual. Cada usuario debe estar familiarizado con el contenido de este manual.

Siga cuidadosamente las instrucciones en el manual.

Realizar siempre las operaciones en el orden correcto.

Guarde el manual en un lugar seguro cerca del panel de control. Si se pierde el manual, solicite una nueva copia a su distribuidor.

1.2 Símbolos en este manual

Los siguientes iconos y símbolos son usados en este manual



PRECAUCION
procedimientos que requieren atención adicional



ADVERTENCIA
no pisar

1.3 Consideraciones medio-ambientales.

Si se descarta la Roldeck, debe desecharse de acuerdo con las disposiciones medio ambientales vigentes a nivel local.

Transportar al centro de reciclaje local para la reutilización del producto y de su embalaje , sin dañar el medio ambiente.

1.4 Servicio y mantenimiento

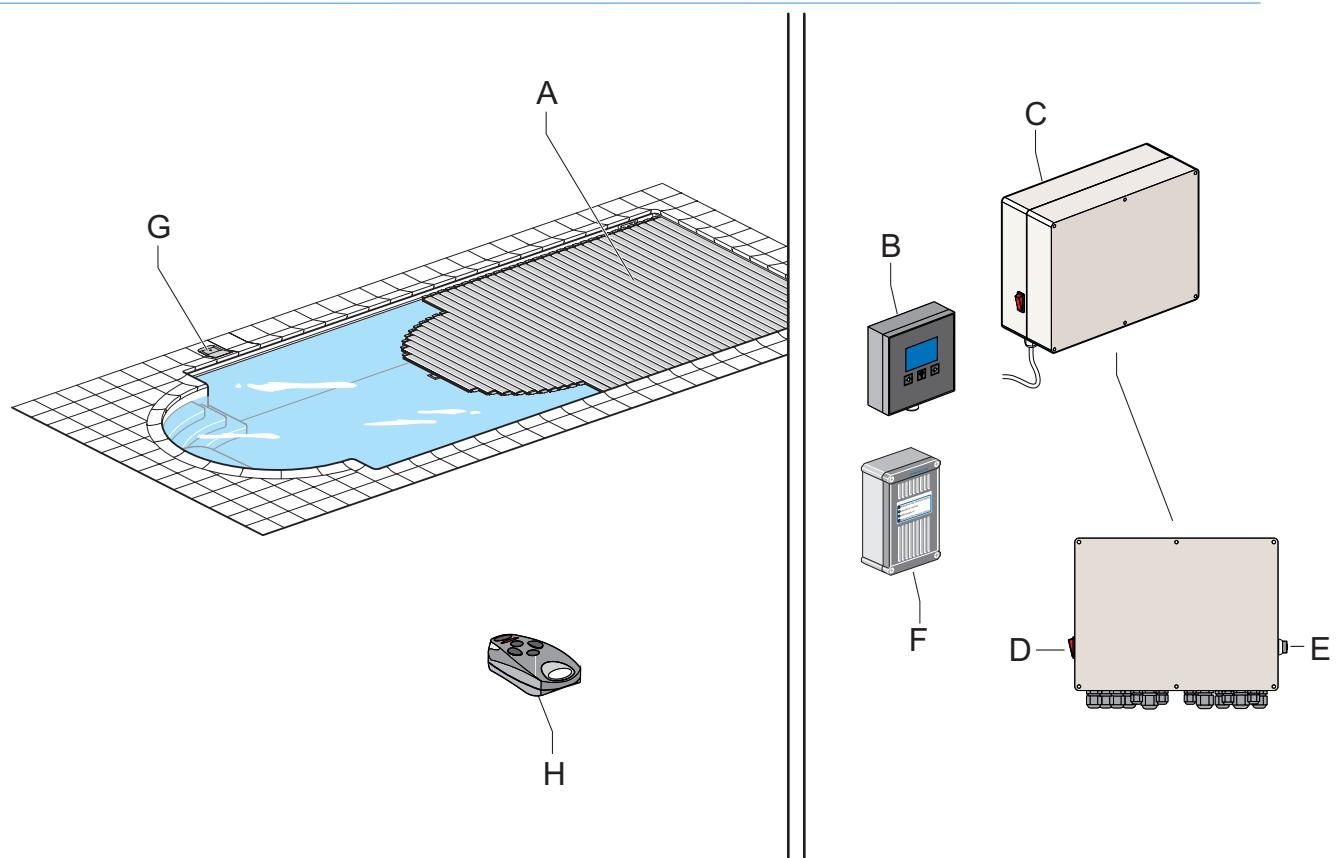
- Revisar la cubierta Roldeck por el instalador al menos una vez al año.
- Informe de los fallos Roldeck siempre a su instalador.
- Proteger las láminas no utilizados de la luz solar directa:

Las láminas pueden deformarse. El material sintético puede ser suave. Como resultado, se puede producir un fallo de la Roldeck.

1.5 Condiciones de la garantía.

Consulte el folleto de la garantía Starline

2 Descripción general

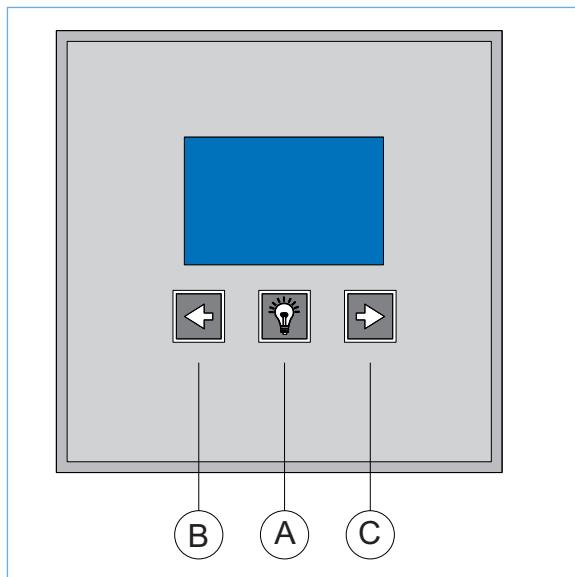


- A Cubierta Roldeck
- B S-Interruptor
- C Panel de control
- D Encendido / apagado
- E Botonera
- F Control de nivel opcional
- G Punto de medición de nivel opcional
- H Mando a distancia

3 Seguridad

3.1 Parada de emergencia

If the key switch on the control box is in the 0 position, it will function as emergency shutdown and the Roldeck cannot be controlled by unauthorized persons. Pressing one of the buttons A, B or C of the S-Switch will work as emergency shutdown as well if the motor is running.



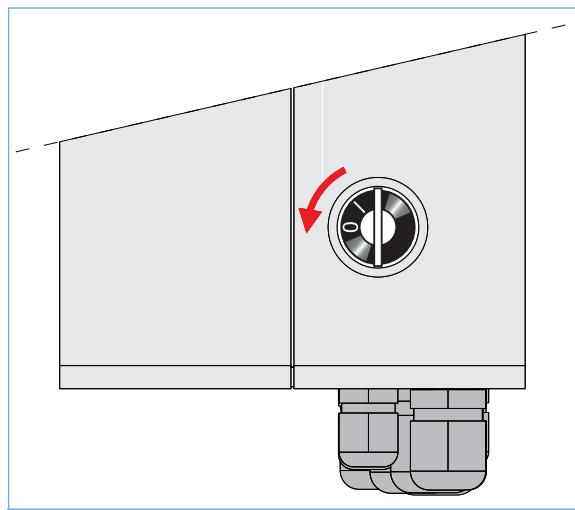
3.2 Operación

To operate the Roldeck the key switch must be in position 1.

Situe la llave en la posición 0 si la cubierta ha sido abierta. If the key switch is in position 0 it works as emergency stop and the Roldeck is not operable. (childproof safety)

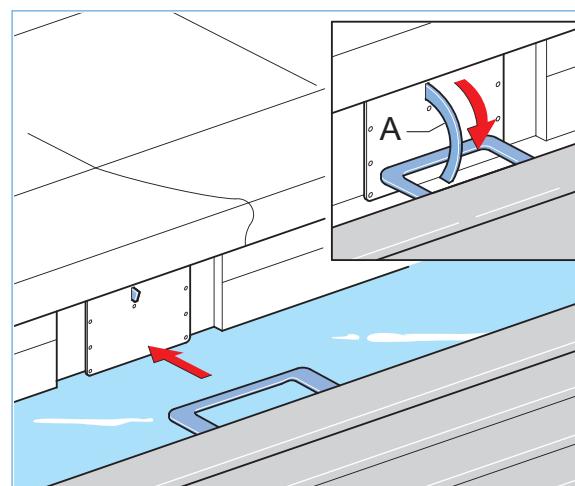


Asegurese que no hay personas u objetos en la piscina cuando valla a cubrir la misma.



3.3 Bloqueo infantil

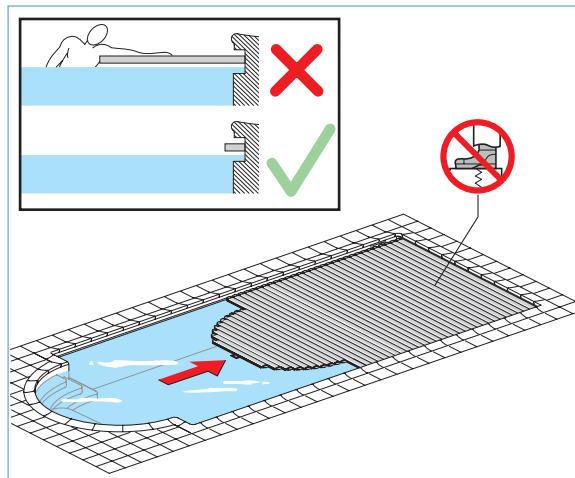
El bloqueo infantil (A) es un bloqueo automático que evita que los niños intenten empujar la cubierta consciente o inconscientemente. Compruebe su funcionamiento cada vez que cubra la piscina. El nivel de agua es muy importante para que el sistema funcione correctamente, si está demasiado alto o demasiado bajo, el cierre automático no ajustará correctamente.



3.4 Roldeck

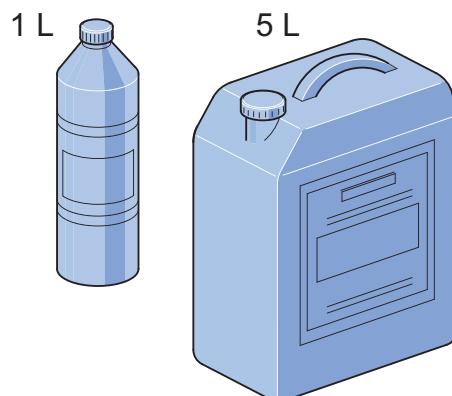
Asegurese siempre de que la cubierta está completamente abierta mientras se usa la piscina. El uso de la piscina parcial o totalmente cubierta, puede causar lesiones y/o dañar la misma cubierta.

 No subirse o caminar sobre la cubierta



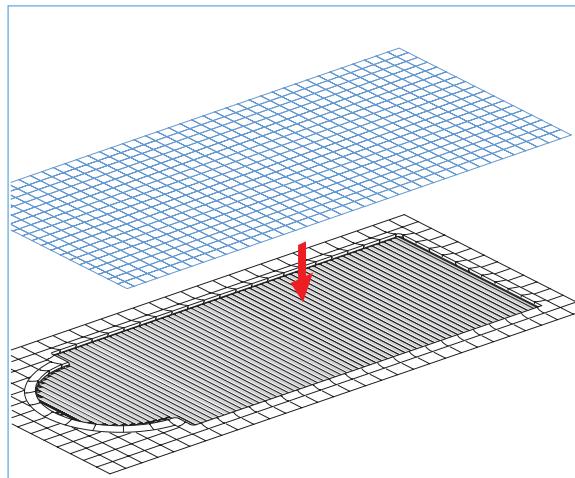
3.5 Descalcificación

En el caso de usar desincrustadores de cal, siga las instrucciones de los mismos.



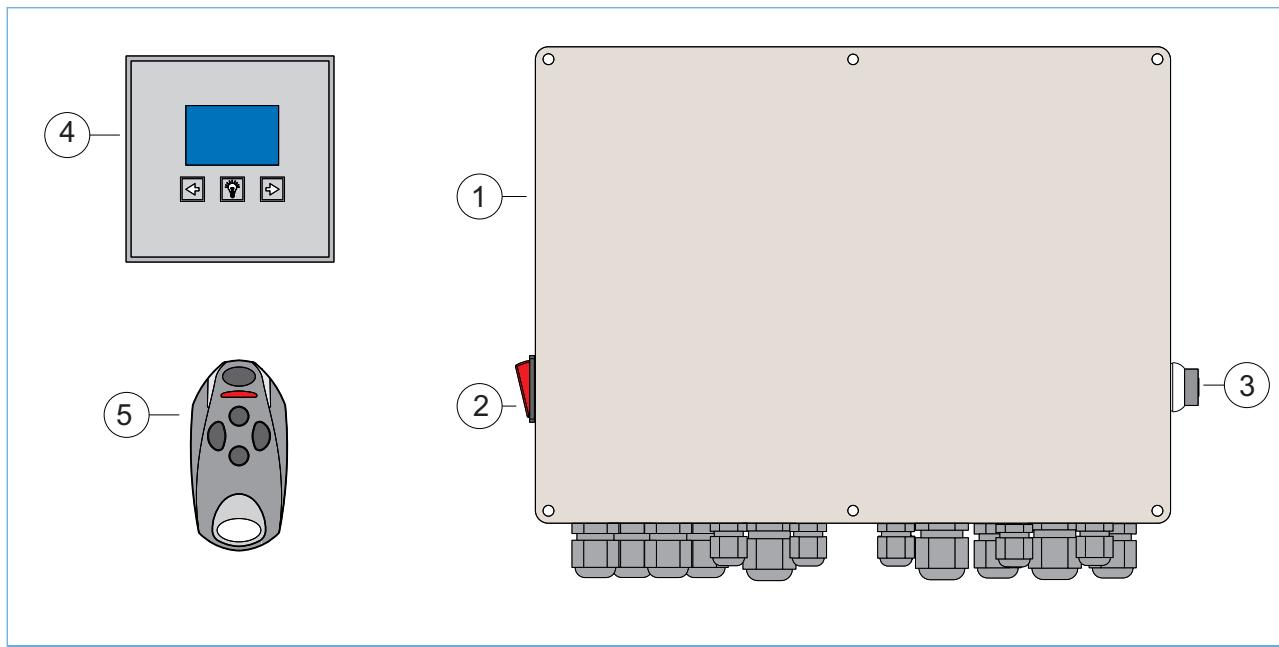
3.6 Invernaje

Todas las ventajas que proporciona la cubierta Roldeck no se aprovechan si se usa una lona de invernaje dejando la Roldeck en posición abierta. Es cierto que la cubierta Roldeck puede ensuciarse al usarse en combinación con una lona de invernaje, pero la piscina será más segura.



4 Operation

4.1 Overview Control



- 1 Roldeck control RDEB 2013
- 2 On/Off switch
- 3 Key Switch
- 4 S-Switch
- 5 Remote control

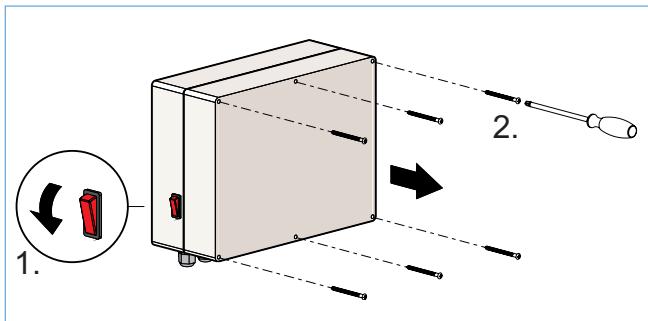
4.2 Removal of the RDEB2013 front panel

REMOVAL OF THE RDEB2013 PANEL



PLEASE NOTE:

1. Before the housing is opened the equipment must be switched off.
 2. Remove the 6 screws from the front panel of the housing.
- Remove the panel of the control housing.



RE-FITTING THE PANEL

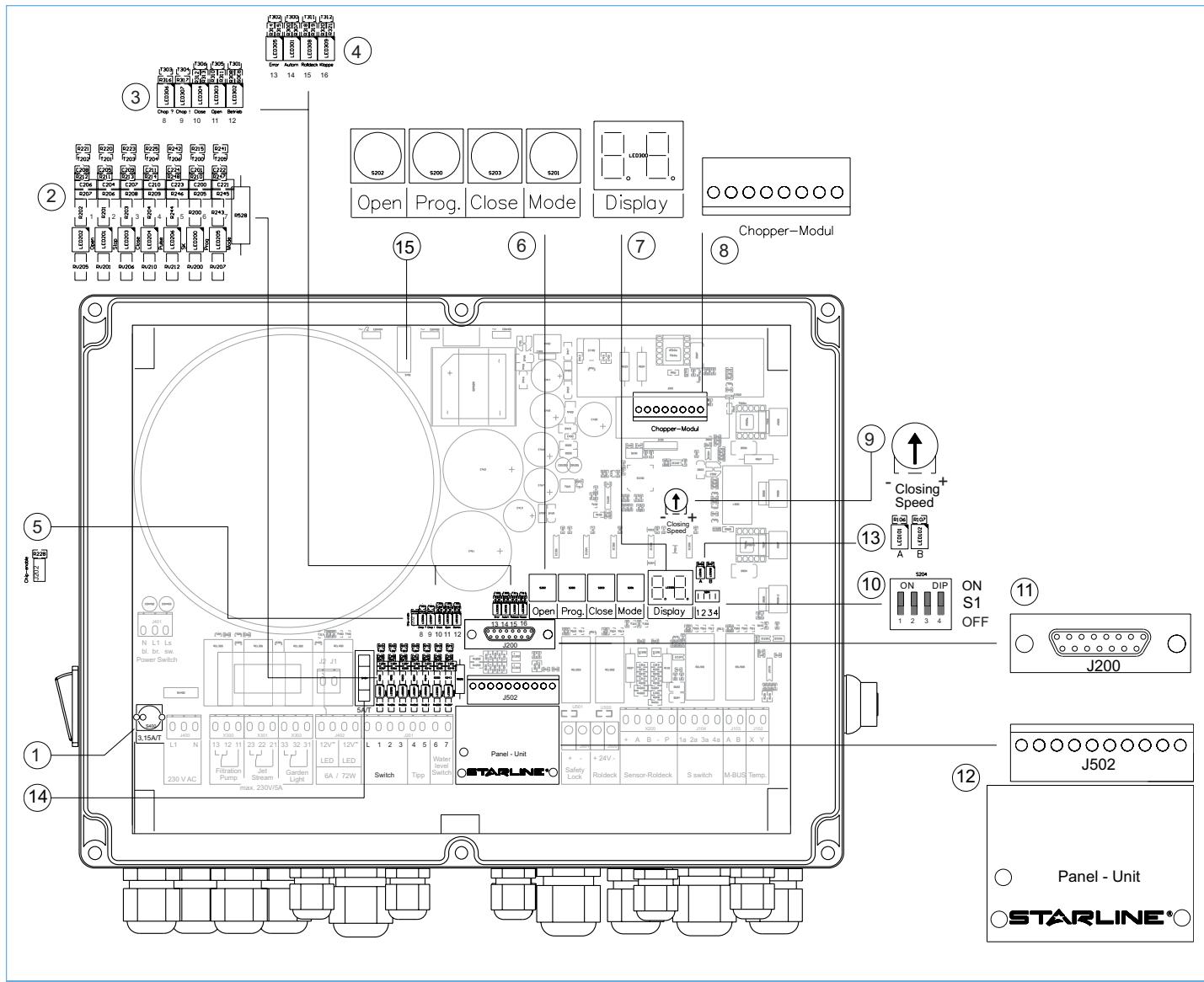
Put the panel back on the housing and tighten the screws crosswise.



NOTE:

Make sure that the panel on the housing is completely closed, otherwise condensation may occur inside the housing, which may damage the RDEB2013.

4.3 Overview RDEB2013 Roldeck Control

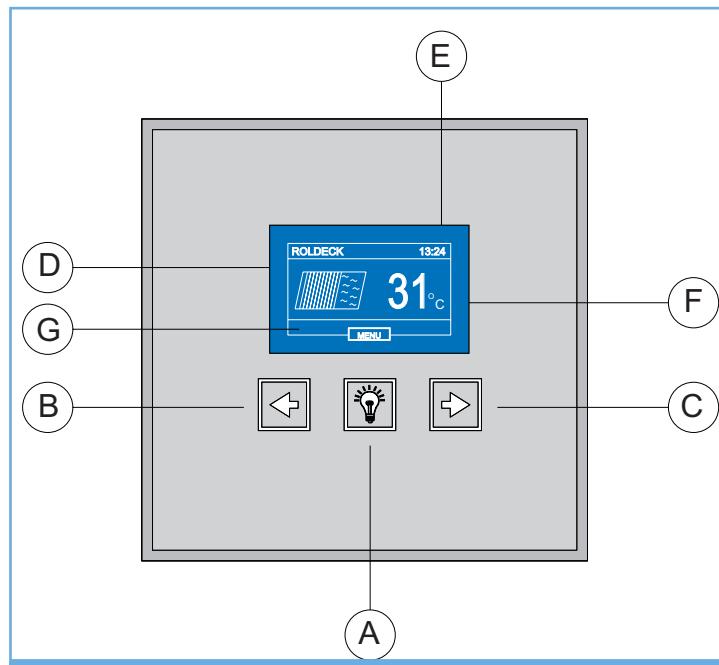


- 1 Fuse primary 230V / 3.15 A T
- 2 LED 01 t/m 07
- 3 LED 08 t/m 12
- 4 LED 13 t/m 16
- 5 Jumper connector (for installation)
- 6 Program buttons
- 7 Display
- 8 Chopper module
- 9 Adjust “close” speed
- 10 DIP Switch S1
- 11 Socket for program plug
- 12 Automatic lid module
- 13 LED A & B Motor sensor signal
- 14 Fuse 12V LED
- 15 Pull-out Fuse 15A

4.4 S-Switch control panel

With the arrow keys ⇄ or ⇌ the Roldeck can be “opened” or “closed”.

By touching one of the three keys when opening or closing the Roldeck, the Roldeck stops.



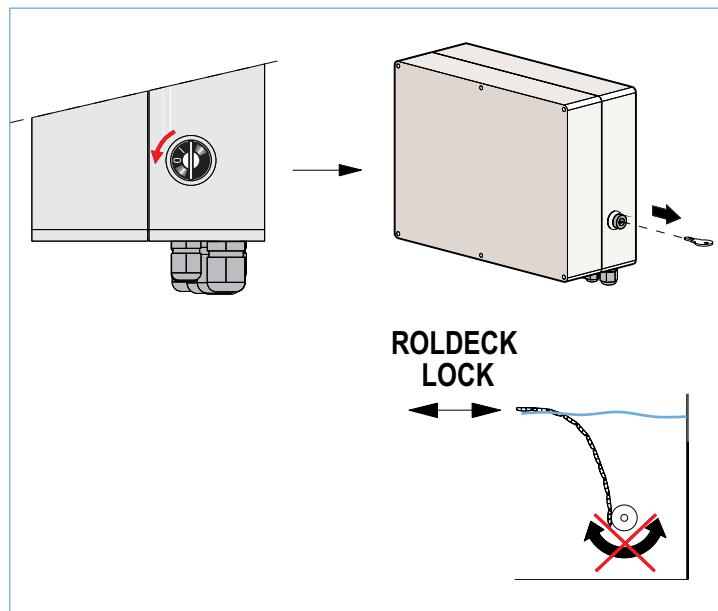
	Function	Description
A	“Mode” – key	By pressing this key for more than 3 seconds, will direct you in the set-up menu. For example you can see: <ul style="list-style-type: none"> • Information of the controlbox • Calibrate temperature • Programming extra remote controls • Setup time and date
		By pressing this key one time short, will set your pool lights on or off.
B	“Open” key	By pressing this key the Roldeck will roll up.
C	“Close” key	By pressing this key the Roldeck will be unrolled.
D	Control – “Open” / “Close”	Status reading the Roldeck and other functions.
E	Time	Time indication
F	Temperature	Water temperature reading (optional)
G	Indicator symbols	Indicates for example lights or jetstream are on.

4.5 Operating the key switch



PLEASE NOTE:
To operate the Roldeck the key switch must be in position 1.

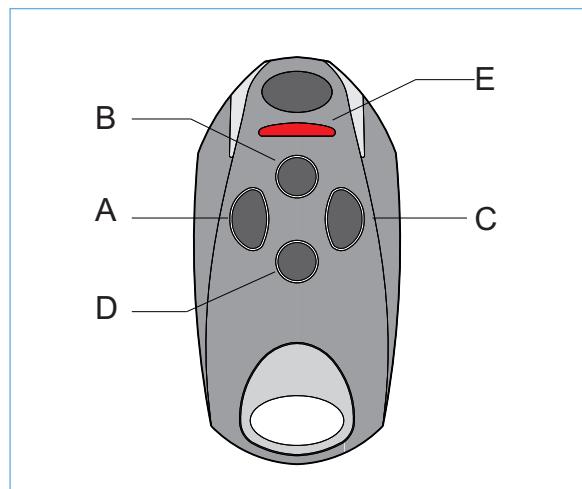
If the key switch is in position 0 it works as emergency stop and the Roldeck is not operable. (childproof safety)



4.6 Remote Control

- A Roldeck open / stop /close.
- B Poollight
- C Jetstream
- D Garden Light
- E LED: will indicate that the remote control is functioning.

Roldeck open / stop /close (A).
With the button (A) the Roldeck can be “opened” or “closed”.



Notes



- Be sure you can see the swimming pool when opening and closing;
- A delay was built into the closing function.

5 Programming the Roldeck Control with S-Switch

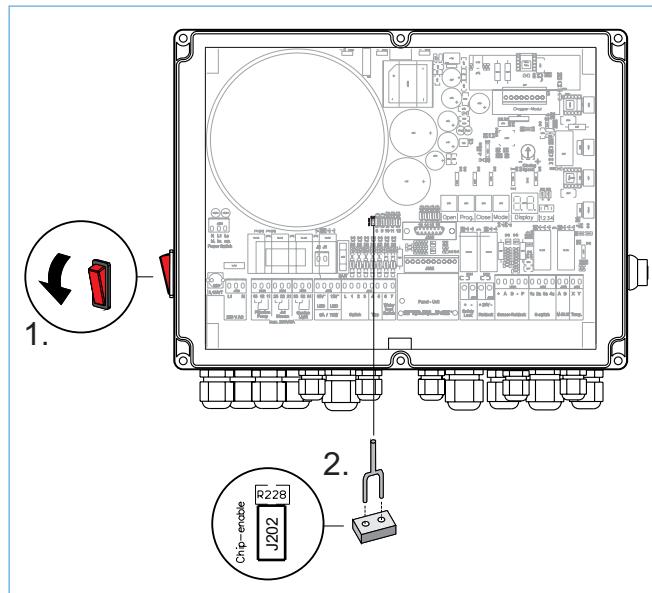
5.1 Roldeck Control

Programming of the Roldeck control occurs with the help of the S-switch control panel.

- First turn on the Roldeck Control by means of the red button (1) and connect the jumper of the RD2013 into socket (2).

! Leave the jumper connected during use.

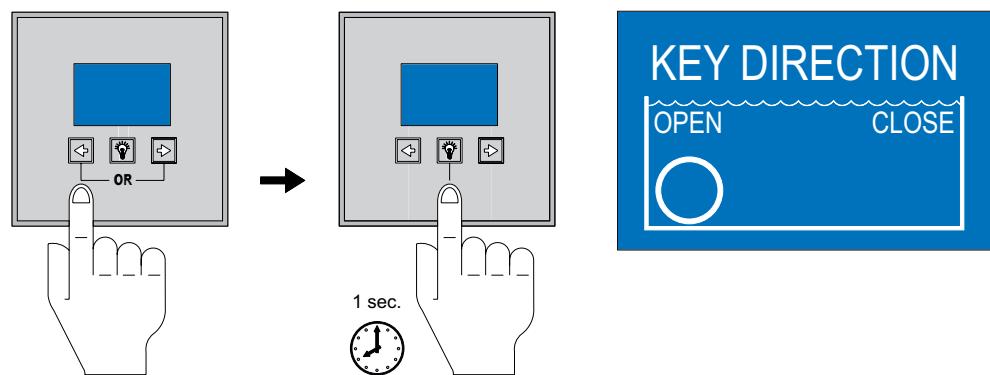
! Programming the Roldeck with automatic lid is not possible on the S-switch!



The display shows the following picture "programming" the Roldeck. The running direction of the Roldeck can be changed.



During first programming use the arrow keys ⇡ or ⇢ to change the running direction. Press the middle key "light symbol" shortly to save the running direction.

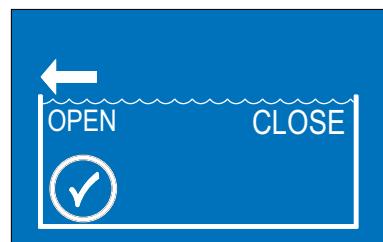
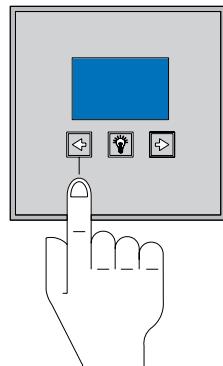


The display shows the following picture
Now there can be started with
programming the “OPEN” position of
the Roldeck.

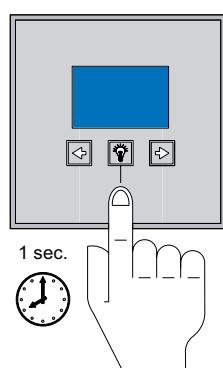
The running direction of the Roldeck
is indicated by the arrow ⇲.
The “X” indicates that the engine is not
recognized.
By pressing the arrow key ⇲ the motor
will be detected.



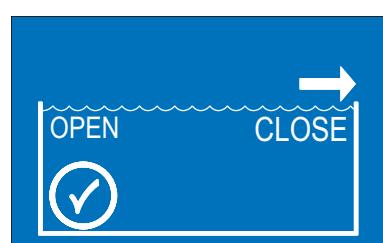
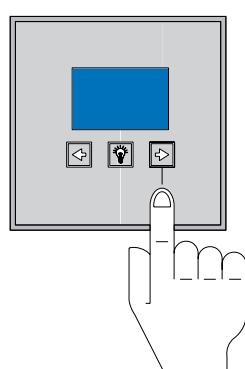
The “OPEN” position is programmed by
pressing the arrow key ⇲. Press the arrow
key ⇲ until the Roldeck fully opened.
The arrow above the position “open”
position flashes.
The type of drive motor is automatically
recognized.
This is shown with the “✓” symbol.



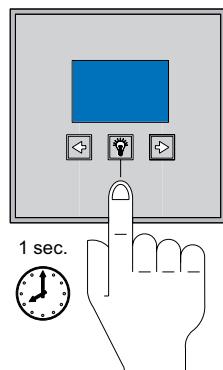
Press the middle key “light symbol“
once to save the “OPEN” position.
The hourglass “⌚” shows a short
waiting time.



Subsequently, the “CLOSE” position
should be programmed. The display
will ask you automatically.
Press and hold the arrow key ⇲ until
the Roldeck is completely closed.

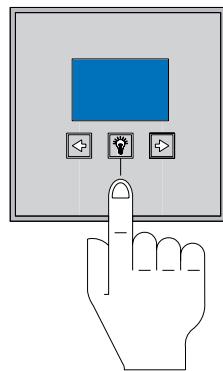


Press the middle key “light symbol” again once to save the “CLOSE” position. The hourglass “⌚” shows again a short waiting time.



When the Roldeck is programmed, the display changes to the programming menu.
The “✓” indicates that the programming was successful.
Go to exit and press the middle key “light symbol” to finish this program.

Also remove the jumper on the PCB of the controller!
For “fine” tuning Roldeck see following pages.



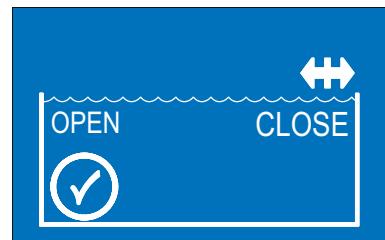
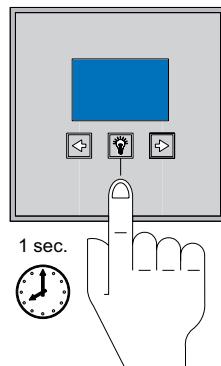
5.2 Fine tuning Roldeck with the S-Switch

With the S-switch now only the fine tuning of the Roldeck can be performed.

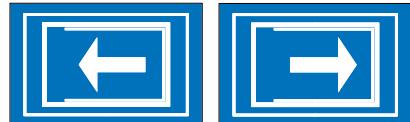
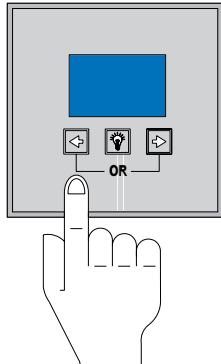
Press the right arrow to go to the menu “fine tuning” and confirm the menu by pressing the lamp symbol. Now the fine tuning can be performed. The position of the Roldeck can now only be changed by pressing the arrow keys \leftrightarrow or \Rightarrow .



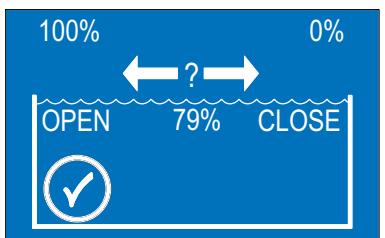
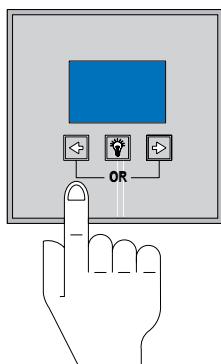
By pressing the middle key “light symbol” shortly the fine tuning is called (\leftrightarrow \Rightarrow flashes). The Roldeck is in the “CLOSE” position, this indicates that fine tuning is possible for the position “close”.



The Roldeck is brought to the correct position with the arrows \leftrightarrow “OPEN” or \Rightarrow “CLOSE”.

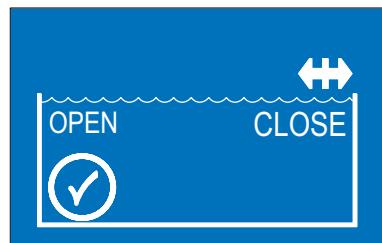
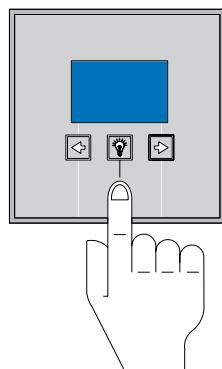


The fine tuning of the Roldeck is shown as a percentage.



The position of the Roldeck is saved with the “light symbol” key.

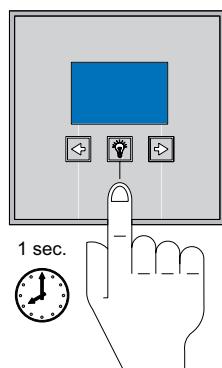
After programming of the fine tuning, the S-Switch shows if the programming is correct or incorrect successful. With a correct programming a “✓” is displayed.



When the programming is good the “Exit” symbol can be chosen to exit the program by pressing the arrow keys \leftarrow or \rightarrow . Then press the middle key “light symbol” shortly to exit the program.

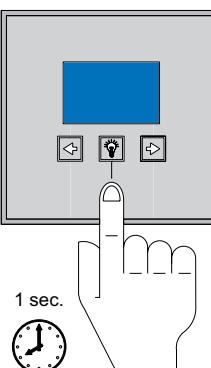
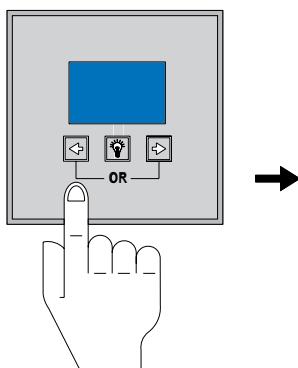
The programming is complete.

Also remove the Jumper “B” from the circuit board of the control.



Incorrect programming shows “ \times ”. This is possible when only one or no position is programmed.

If an incorrect program, the program must be removed first. Use the arrow keys \leftarrow or \rightarrow (PROG “ \times ”) and then press the lamp symbol. The program is deleted. Start again with programming the Roldeck.



5.3 Programming Remote Control

The remote control transmitter is pre-programmed.

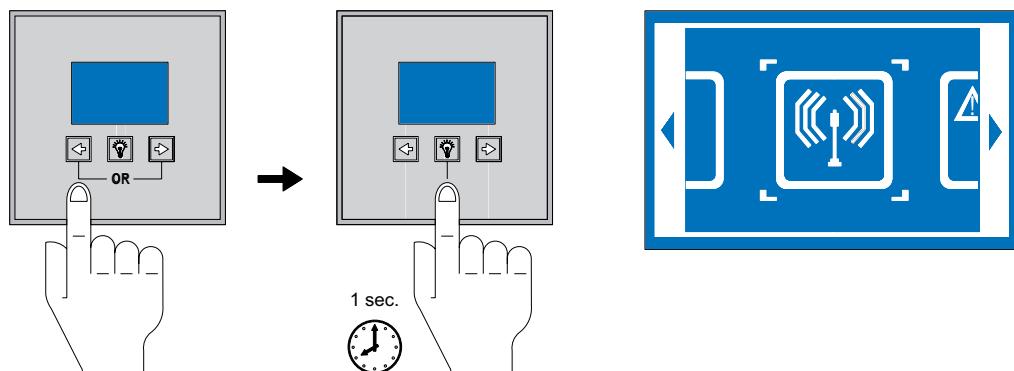
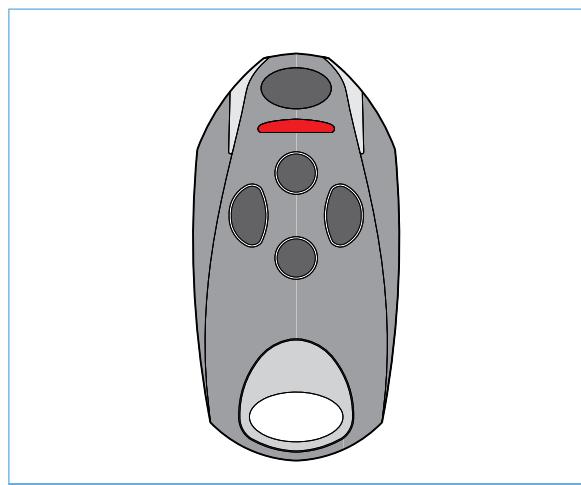
If the transmitter is replaced, or if the number of transmitters is expanded, follow the procedure below.

! Make sure that the transmitter and the receiver will not be more than 5 meter distance from each other during programming.

To register the remote control, enter the menu settings of the S-Switch by pressing the the middle key “light symbol” for 3 seconds.

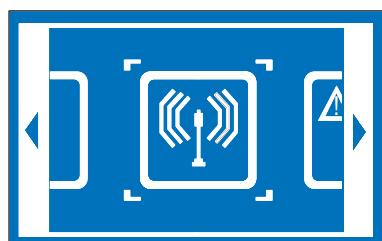
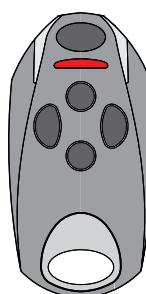
With the arrow keys \leftarrow or \rightarrow of the S-Switch all other menu items can be selected.

Select the symbol “Antenna” and confirm this by pressing the “lamp symbol”.



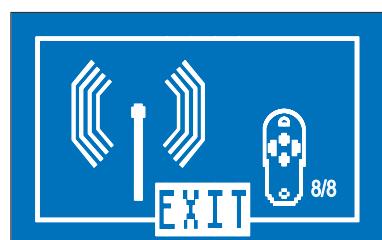
The symbol “Antenna & Remote Control” is now active.

To program the transmitter keep one of the four buttons pressed on the remote control. When the transmitter is recognized, the menu “Program channel” closes immediately.



Transmitter / receiver have been programmed.

Up to 8 transmitters can be programmed. In the right bottom of the display the number of programmed transmitters is shown.



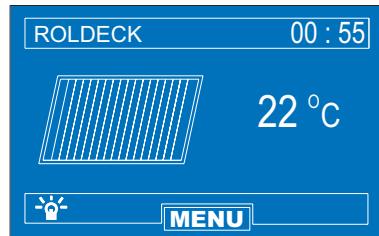
Functions Remote Control

Pool lights (B).

With the button (B) the pool lights can be switched on or off. When the pool lights are on, and the Roldeck is running, the pool lights are switched off. After the Roldeck has stopped the pool lights will switch on again.

The light symbol in the display lights up.

Press button B to switch on the pool lights, then press button for a few seconds to switch between the color by LED RGB.



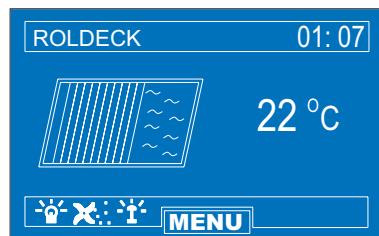
Pool lights ON

Jetstream (C) and garden lighting (D).

These functions can only be switched on and off with the remote control.

By pressing the button on the remote control the function will be switched on.

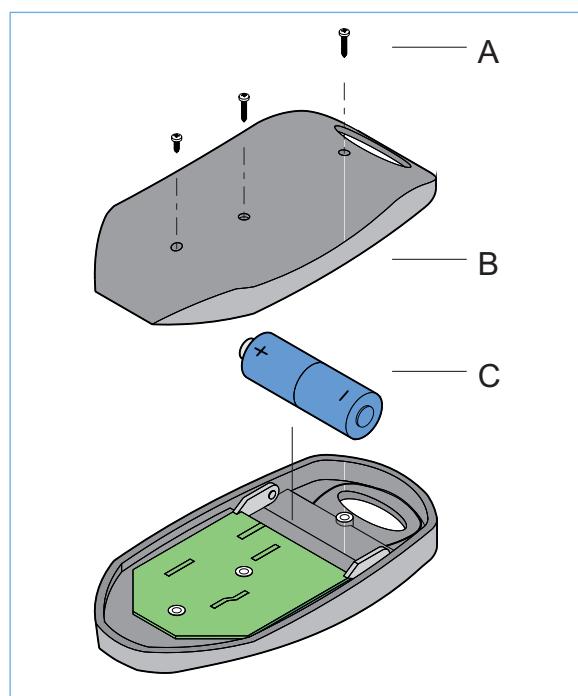
By pressing the button on the remote control again the function is switched off.



Garden light ON
Jetstream ON

Cambio de la batería.

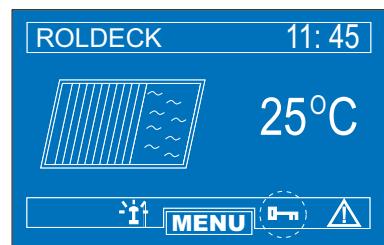
- Remove the 3 screws (A) from the bottom of the housing.
- Remove the bottom plate (B).
- Sustituya la batería por otra de las mismas características (A23 12 V).
- Observe la polaridad.



Frecuencia: 433.92 Mhz.

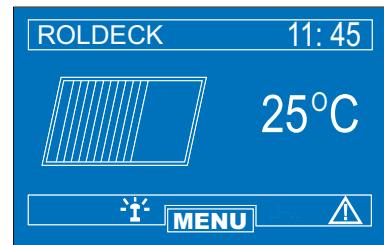
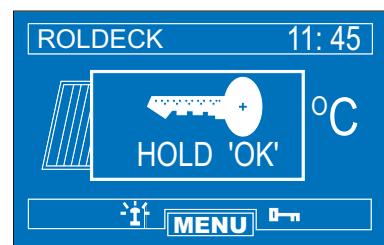
5.4 Releasing Keylock S-Switch

The display shows the keylock active.



When pressing 1x at any key, the "KEY LOCK HOLD OK" overlay screen will appear automatically after 15 minutes (timeout).

If the display shows "KEY LOCK HOLD OK" press the OK button for 3 seconds, to unlock.



5.5 AutoLock function

By pressing the middle key “light symbol” for 3 seconds the menu of the S-switch opens.

By touching the arrow keys \leftarrow or \rightarrow briefly you can scroll through the menu.

Select the symbol “time” and confirm this with the “light symbol”. It is now possible to switch on/off the AutoLock function.

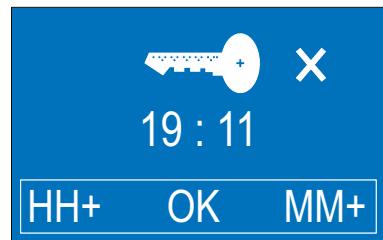
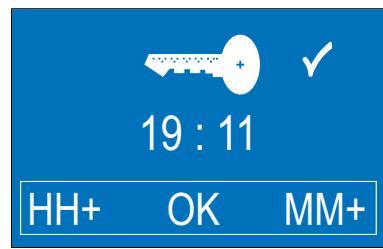
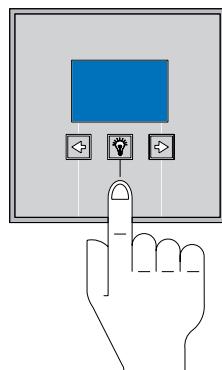
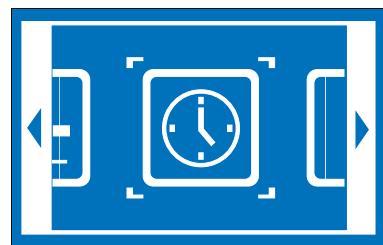
By touching “light symbol” the AutoLock function can be switched on or off.

The time is set by using the arrow keys \leftarrow or \rightarrow .

Symbol “ \leftarrow ” setting hours, Symbol “ \rightarrow ” setting minutes

Then confirmed the time by pressing the key “light symbol” for 3 seconds.

The menu returns to the symbol time.

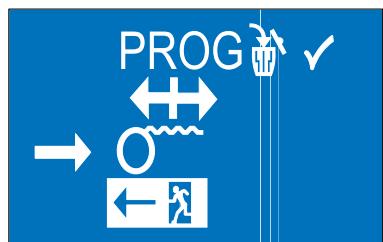
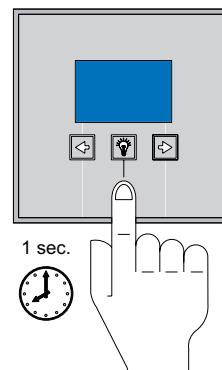


5.6 Changing position of the Roldeck (afterwards)

First turn on the Roldeck Control by means of the red button and connect the jumper of the RD2013 into socket.

The position of the Roldeck can be changed after programming by pressing the lamp key of the S-Switch.

Then go to exit.



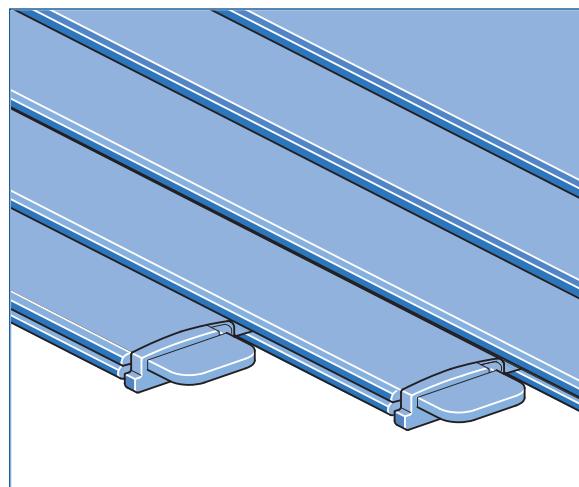
6 Limpieza y mantenimiento

6.1 Láminas

Es aconsejable limpiar al menos dos veces al año la cubierta con un cepillo rígido y una máquina de agua a presión. Las algas puede aparecer tanto en la parte superior de la cubierta como en la inferior.



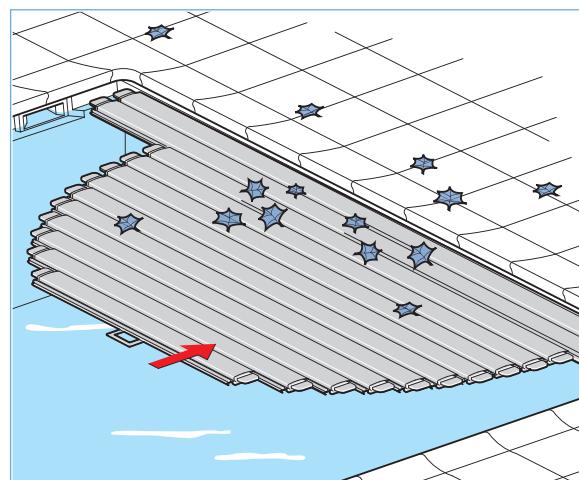
- La filtración de la piscina debe de estar en funcionamiento durante las horas de sol cuando la cubierta es de láminas solares o transparentes. El motivo es que estos dos tipos de láminas concentran el calor del sol para transmitirlo al agua y si esta no circula, la temperatura que puede acumular la lámina puede dañarla o deformarla.
- Use una maquina de agua a presión con cuidado.
- Las láminas no deben de exponerse a la luz del sol directa si no están en contacto con el agua.



6.2 Suciedad

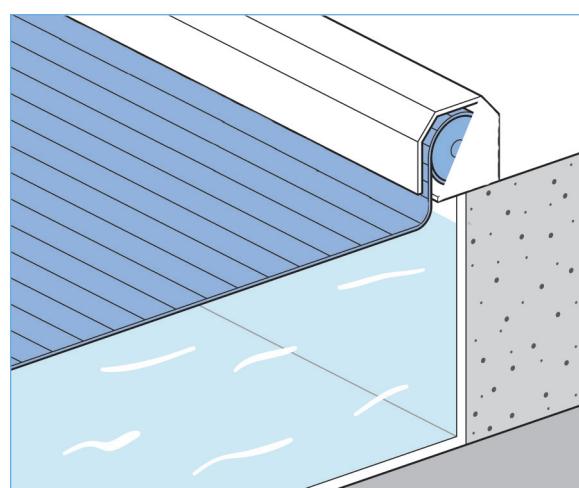
Elimine las hojas caídas y otros desechos de encima de la cubierta antes de abrir la piscina.

Esto previene una excesiva suciedad en el alojamiento de la cubierta.



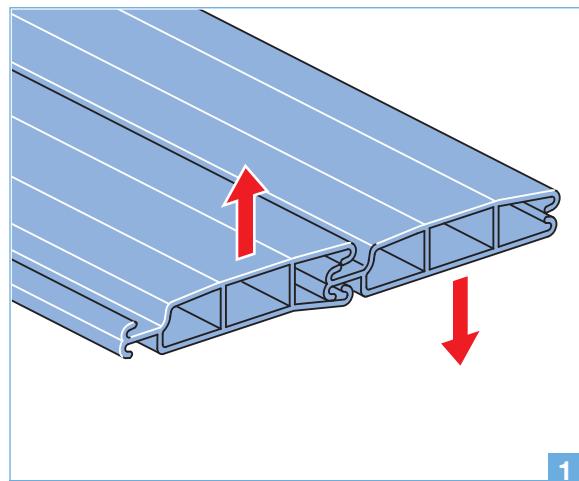
6.3 Cajón cubiertas elevadas

Limpie el cajón con una máquina de agua a presión y un cepillo suave o esponja.



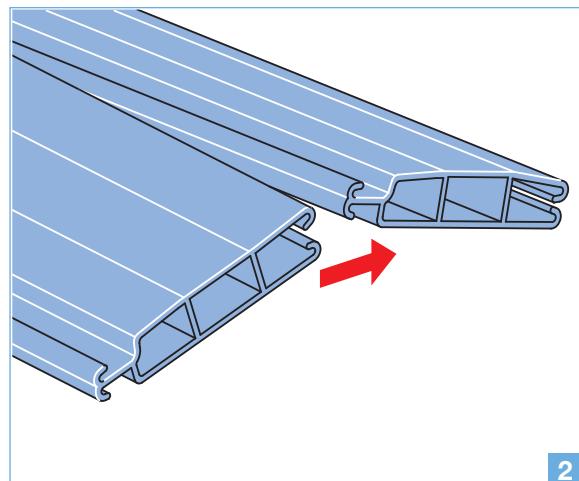
6.4 Desmontar láminas

Para el desmontaje de una lámina, es necesario forzar hacia arriba la situada a la derecha del punto de vista del dibujo, sobre la del lado izquierdo. Una vez que el gancho inferior del macho supera el alojamiento, se extrae la lámina hacia la derecha.



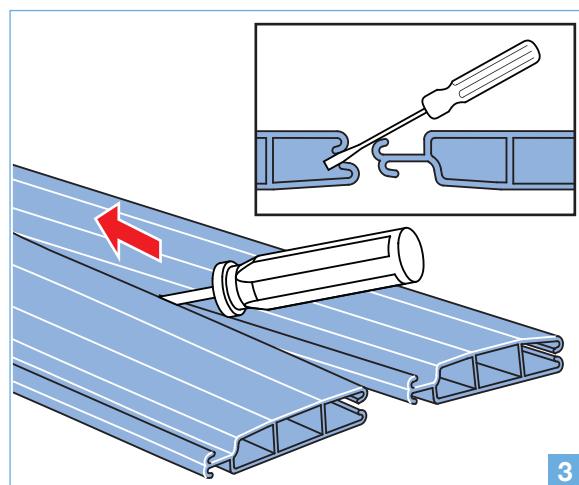
1

Las láminas quedan ahora separadas cerca de 10 centímetros a lo largo.



2

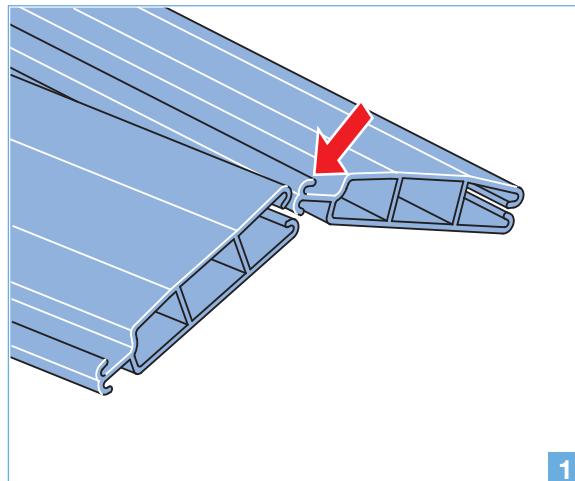
Use un pequeño destornillador plano para terminar de separar las láminas a lo largo.



3

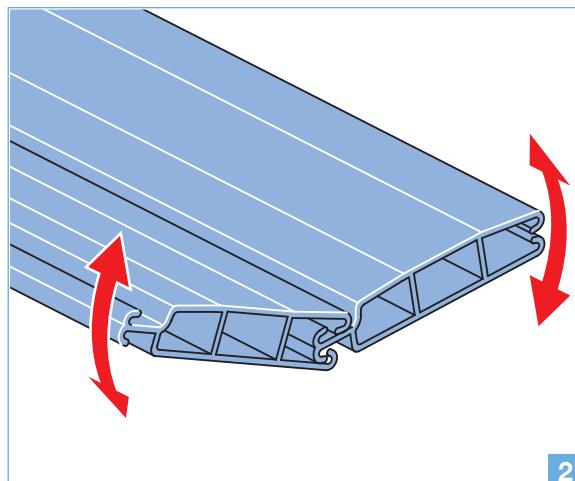
6.5 Montaje de láminas

Aproxime las láminas el lado macho contra el hembra de la siguiente. El gancho inferior del lado macho, debe entrar en primer lugar. A continuación, efectúe un movimiento hacia abajo de las dos láminas al mismo tiempo.



1

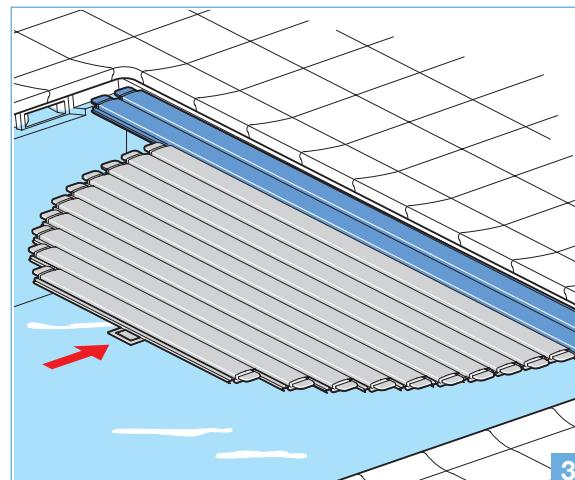
Esto producirá que entre el gancho superior del macho. Los dos movimientos habrá que repetirlos varias veces hasta que las dos láminas queden totalmente enganchadas.



2

Nota:

! Sitúe la cubierta lo más cerca posible del borde de la piscina para realizar estas operaciones. Esto le facilitará el trabajo

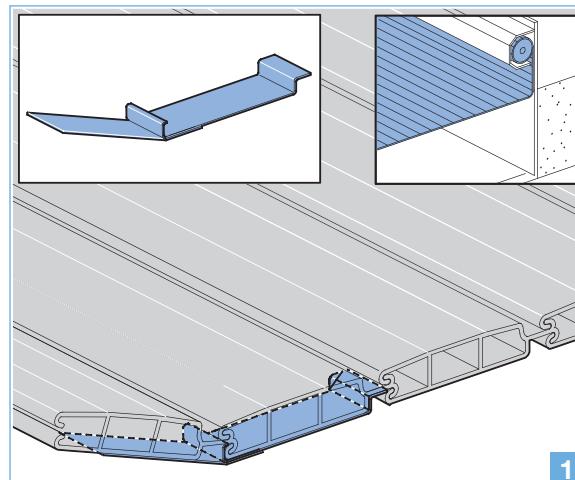


3

6.6 Clips y Guías

Guía direccional.

El propósito de la guía direccional es dirigir la cubierta en la posición correcta cuando esta entra en contacto con el agua. Esto lo hace, manteniendo la primera lámina bajo un angulo mas inclinado que la segunda

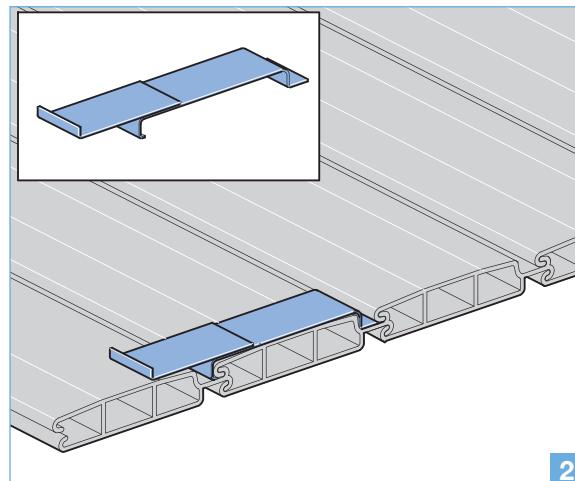


1

Clip anti deslizante.

El clip antideslizante evita que la cubierta enrollada pierda una vuelta sobre su eje, normalmente, las cubiertas que cubren piscinas con escalera romana.

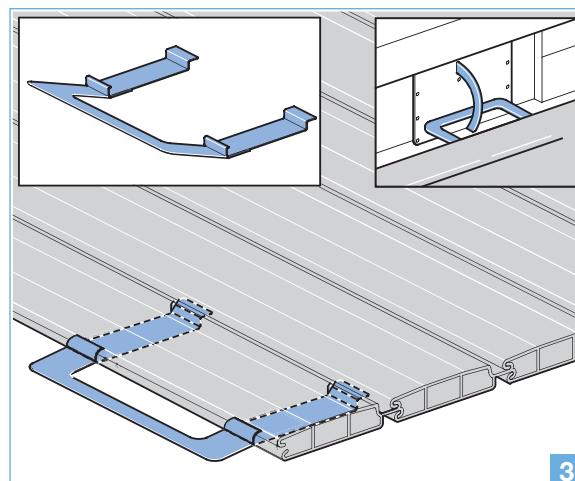
Si encuentra algún clip en el fondo de la piscina, avise a su instalador autorizado, ya que es difícil determinar la posición correcta del mismo si no se tiene la suficiente práctica.



2

Clip de cierre de seguridad.

El cierre de seguridad consta de un clip específico que va situado en la primera lámina de la cubierta, con la idea de ser retenido por el gancho del sistema de cierre, de manera que los niños no puedan manipular la cubierta manualmente.

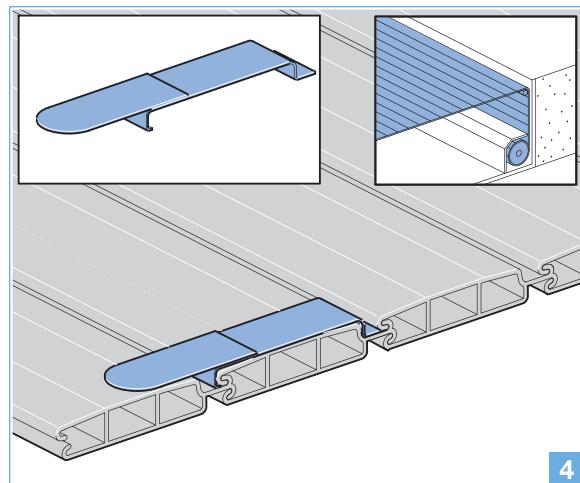


3

Guía direccional

En este caso, la guía direccional conduce la cubierta desde la primera lámina en la dirección correcta.

El clip va montado sobre la segunda lámina para mantener inclinada la primera, asegurando que esta gire hacia el sentido deseado.



4

6.7 Descalcificando

La cal del agua puede depositarse sobre la superficie de la cubierta. Para eliminarla, siga las siguientes instrucciones utilizando Roldeck Ontkalker:

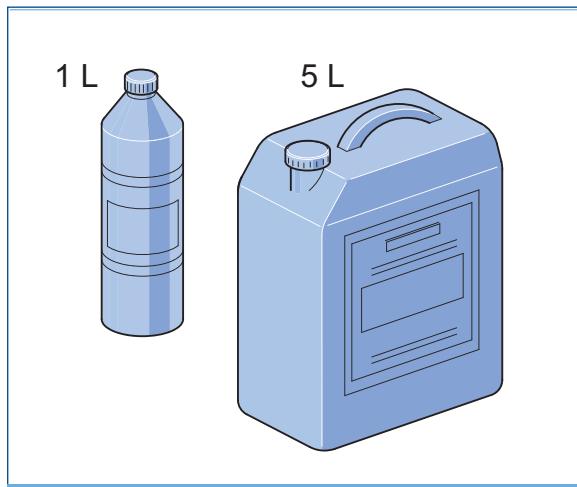
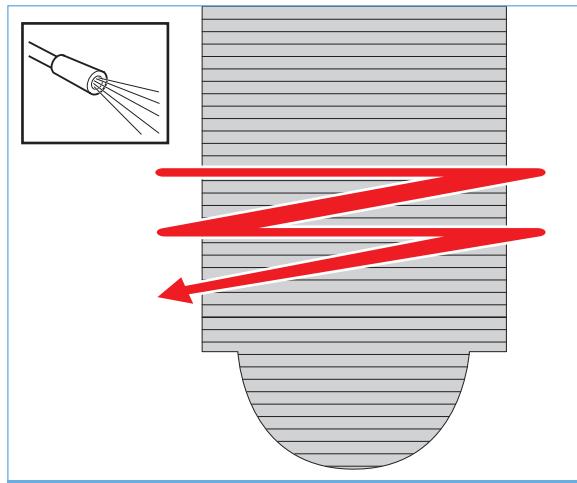
Extienda el producto sobre la cubierta con un spray, y una proporción de 1 litro por 10 m²

- Deje actuar el producto sobre la cubierta entre 1 y 2 horas.
- Utilice una maquina de presión para eliminar los restos de cal y si es necesario, cepille la cubierta al mismo tiempo.
- Proceda a realizar la limpieza del fondo después de hacerlo con la cubierta
- Lave el filtro una vez terminado.
- Ajuste el Ph si es necesario

El producto antical desaparecerá del agua en un día.



Use la maquina de agua a presión con cuidado.



ADVERTENCIA

- Lea las instrucciones de utilización del producto antes de su uso.
- Mantenga el descalcificador fuera del alcance de los niños
- Mantenga el descalcificador alejado del contacto con alimentos, bebidas y piensos de animales.
- Evite el contacto con los ojos. En el caso de producirse, enjuague con agua abundante y acuda al centro de salud mas próximo.
- Asegúrese cuando pulverice el producto, de que el borde de la piscina no se verá afectado por la corrosión del mismo.
- Después de la limpieza con el descalcificador Espere al menos dos horas antes de volver a usar la piscina.
- Si necesita usar el producto repetidamente, espere al menos 1 o 2 días para evitar un consumo de agua excesivo.
- Elimine los restos y el envase en los contenedores apropiados para productos químicos.

7 Failures

7.1 Overview failure Messages RDEB2013

Consult the failure table below in cause of a display error.

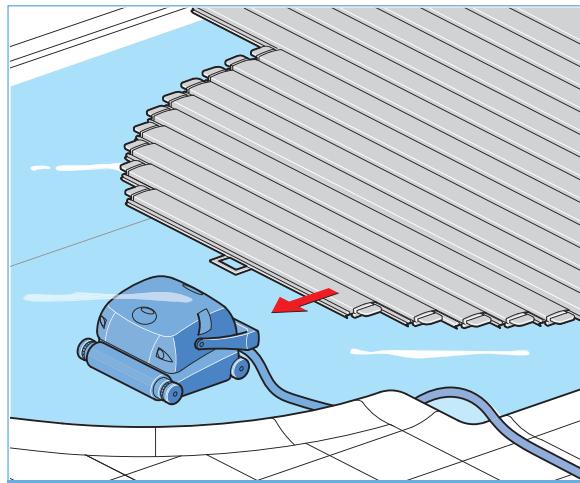
Contact the installer if necessary.

Display Error	Description
F01	<ul style="list-style-type: none"> • No sensor signal by start motor
F02	<ul style="list-style-type: none"> • No sensor signal during running for ≤ 1 second
F03	<ul style="list-style-type: none"> • Wrong direction of rotation (50 pulses in the wrong direction)
F04	<ul style="list-style-type: none"> • Short-circuit (motor current > 30A)
F05	<ul style="list-style-type: none"> • Too much current (motor current for 10 s > 9.5 A)
F06	<ul style="list-style-type: none"> • Runtime error (Roldeck > 900s, bottom lid > 120s)
F07	<ul style="list-style-type: none"> • Overvoltage (motor voltage for 5s > 45V)
F09	<ul style="list-style-type: none"> • Overtemperature chopper module (temp > 100 ° C)
F10	<ul style="list-style-type: none"> • Sensor short circuit (sensor inputs A & B)
F11	<ul style="list-style-type: none"> • Sensor error (both sensors are different)
F12	<ul style="list-style-type: none"> • Absolute overvoltage (motor voltage > 60V)
F21	<ul style="list-style-type: none"> • Water Level Sensor Input Open (RD Model: SK)
F22	<ul style="list-style-type: none"> • Key switch off “0”
F31	<ul style="list-style-type: none"> • Under pressure Roldeck driver, low pressure in in-roller motor Roldeck
F32	<ul style="list-style-type: none"> • Under pressure liddriver, low pressure in in-roller motor of moveable bottom flap

For error F04, F11 and F12: switch control off

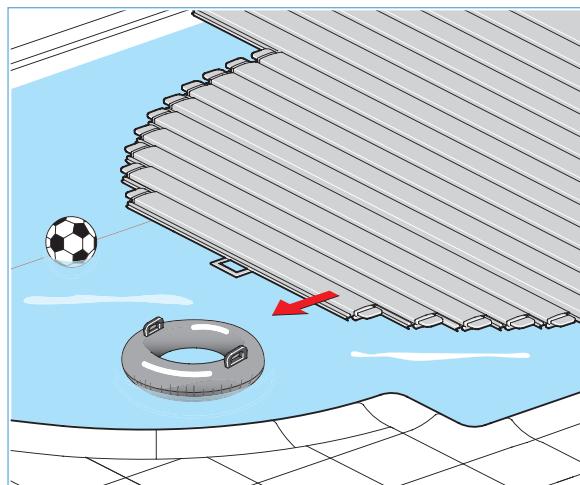
7.2 Prevención de fallos

! Asegúrese de que el limpiafondos automático no se encuentre en el interior de la piscina cuando proceda a cubrir la misma.



Obstáculos:

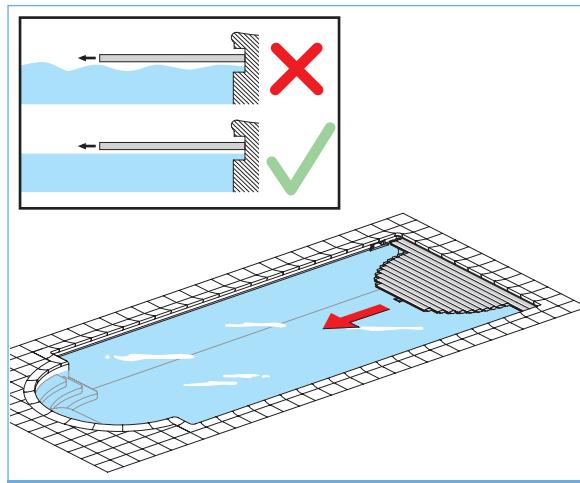
Elimine cualquier objeto flotante de la piscina antes de abrirla o cerrarla.



Olas

No cierre la piscina hasta que el oleaje haya desaparecido y el agua esté totalmente en calma.

! Espere un mínimo de 30 segundos.

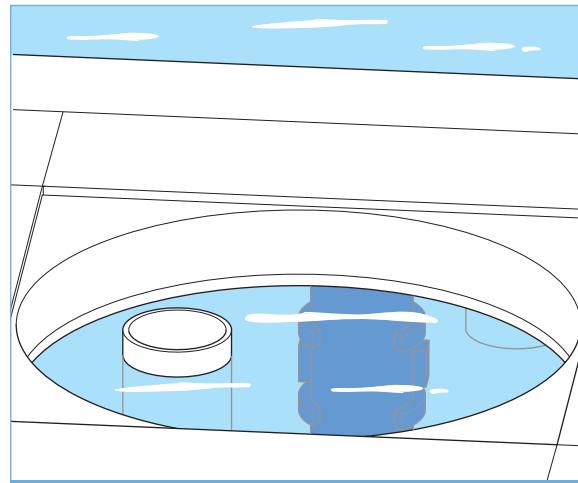


7.3 Control de nivel

Control de nivel

El controlador de nivel Starline va en combinación con un rebosadero. El propósito de esta combinación, es mantener un nivel óptimo para el funcionamiento

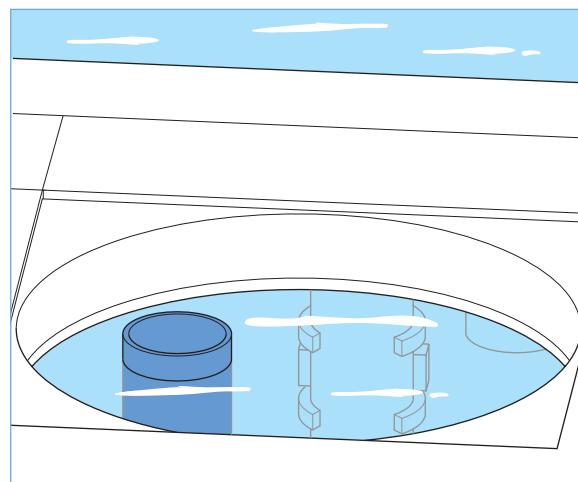
Mantener el correcto nivel de agua, evita que la cubierta se frene contra la piedra de coronación, o en algún asidero o escalera.



Rebosadero

El rebosadero en el skimer asegura que el exceso de agua es drenado inmediatamente hacia el desagüe.

El correcto ajuste del nivel será determinado por el instalador.

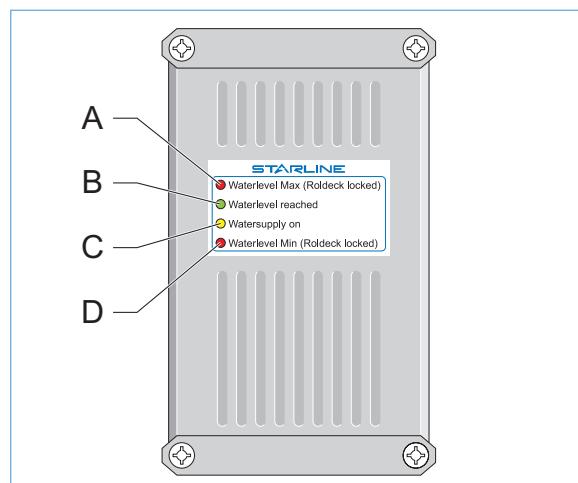


Controlador de nivel Starline

El controlador de nivel tiene 4 leds indicadores:

- A Nivel de agua máximo. La cubierta no abre ni cierra.
- B Nivel de agua correcto
- C Se necesita añadir agua
- D Nivel de agua mínimo. La cubierta no abre ni cierra.

Si todos los leds están encendidos, el control de nivel ha estado trabajando 12 horas sin interrupción. Si el led A y D están encendidos a la vez, es que se ha perdido la comunicación entre el sensor y el controlador. Consulte a su instalador en este caso.



7.4 Manual Roldeck Operation

If the Roldeck motor fails due to a malfunction with one of the sensors (error code is readable in LED display or s switch).

The function of the sensor can be switched off by means of a button combination together with the jumper.

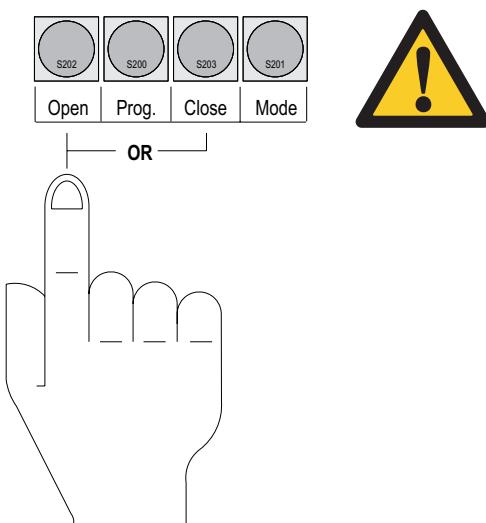
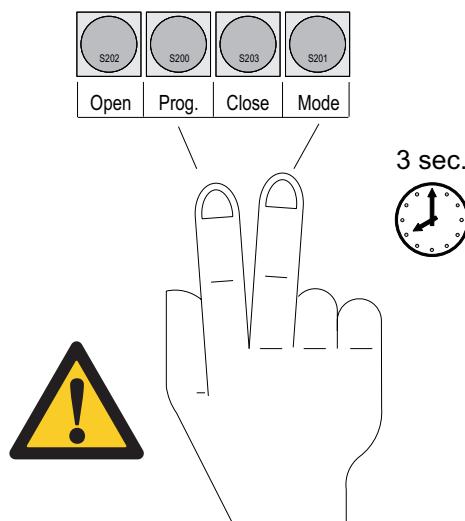
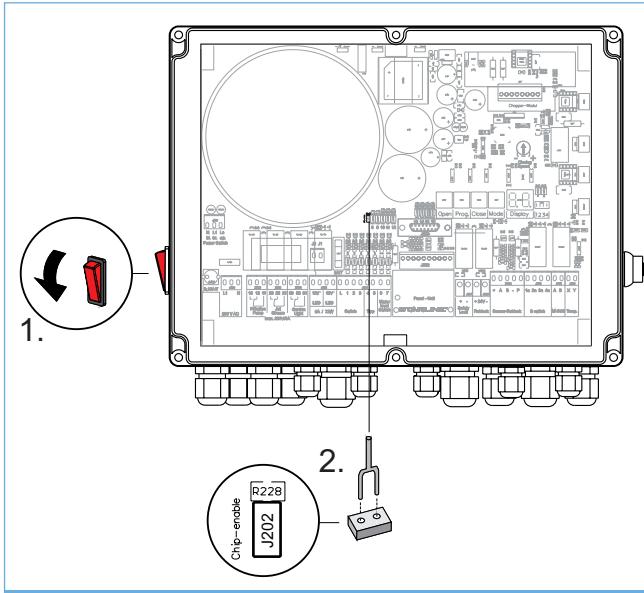
First turn on the Roldeck Control by means of the red button (1) and connect the jumper of the RD2013 into socket (2).

Than push the buttons "prog" and "mode" simultaneously for 3 seconds in a row.

The manual Roldeck Control function is only meant in case of need, by using this control the pre-programmed OPEN and CLOSE position will be erased from the memory of the Roldeck Control unit. After the problems are solved the OPEN and CLOSE position must be programmed again.

Subsequently the Roldeck can be controlled manually by pushing the "open" and "close" button in the controlbox until the desired position is reached.

When the button is released, the Roldeck stops automatically. Pay attention when opening or closing the Roldeck that the Roldeck doesn't move too far.



8 Especificaciones técnicas

Laminas	PVC endurecido/ PC (policarbonato)	
Peso láminas	4,8 kg/m ² - 5 kg/m ²	
Colores disponibles	Blanco azul gris crema transparentes (especialmente recomendadas para piscinas interiores) solares (especialmente recomendadas para piscinas exteriores)	
Panel de control.	RDEB2013 Microporcesador EEPROM 230 V / 24 V	
Motor	24 V externo / incluido en eje	
Coeficiente de aislamiento	4 – 6 W/m ² dependiendo de la velocidad y dirección del viento	
Ahorro de energía	Piscinas interiores: Piscinas exteriores:	tot 70 % 60 - 80 %

8.1 Motor externo/ Motor tubular

Modelo	
Año de fabricación	
Numero de serie	

8.2 RDEB2013

Modelo	
Año de fabricación	
Numero de serie	

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1 General

1.1 Purpose of this manual

This manual describes the Starline Roldeck's daily use.

Read the manual carefully. Every user must be acquainted with the contents of this manual.

Follow meticulously the instructions in the manual.

Always perform the operations in the correct order.

Keep the manual in a fixed spot near the operation cabinet. If the manual gets lost, order a new copy through your supplier.

1.2 Icons in this manual

The following icons and symbols are used in this manual:



CAUTION!
Procedures that demand additional attention.



WARNING!
Do not step on it!

1.3 Disposal and Environment

If the Roldeck is discarded, it must be disposed of according to locally valid regulations.

Enquire at the local recycling centre for possibilities for reuse and for environment-friendly processing of the product and the packing.

1.4 Service and Maintenance

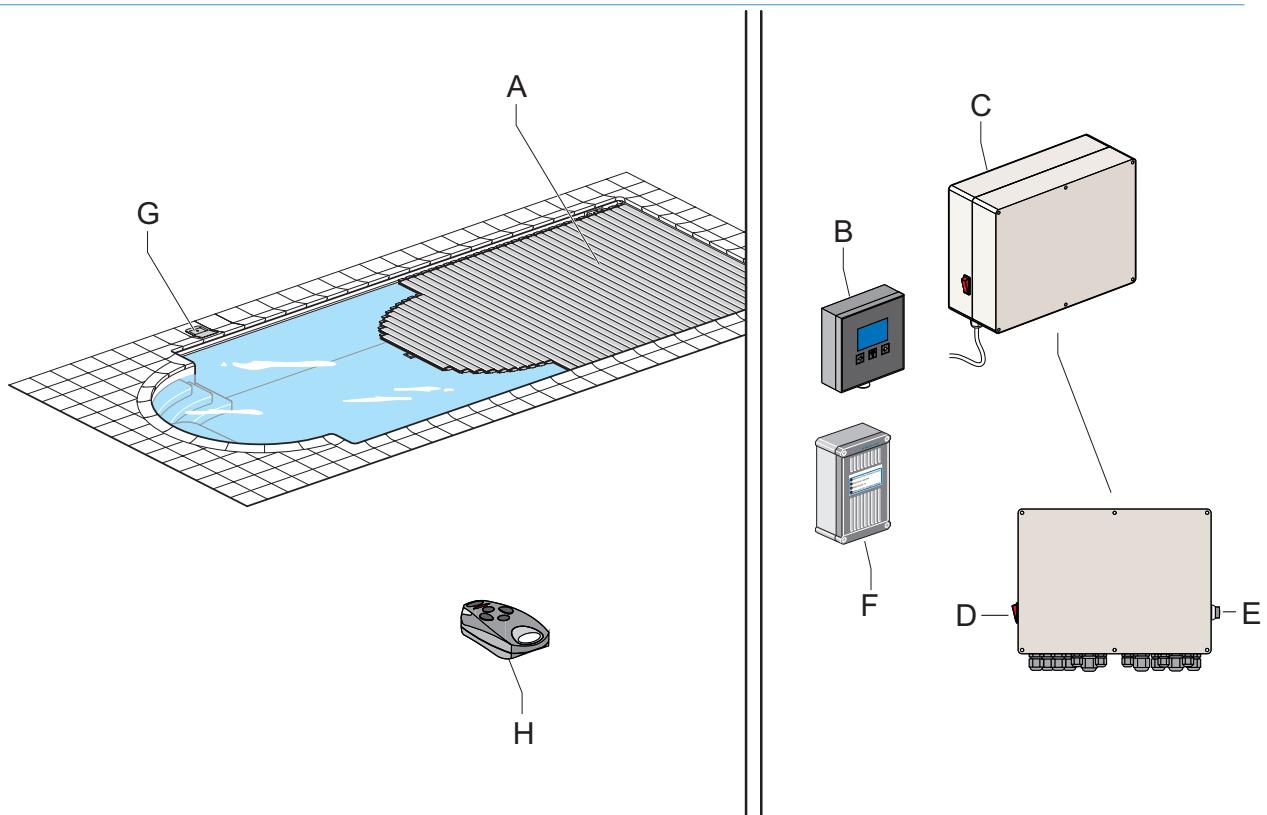
- Have the Roldeck installation checked by the installer at least once a year.
- Report Roldeck failures always to your installer.
- Protect unused slats from direct sunlight:

The slats can become deformed. The synthetic material can become soft. As a result, a failure of the Roldeck can occur.

1.5 Warranty Provisions

Refer to the Starline Warranty booklet.

2 Overview

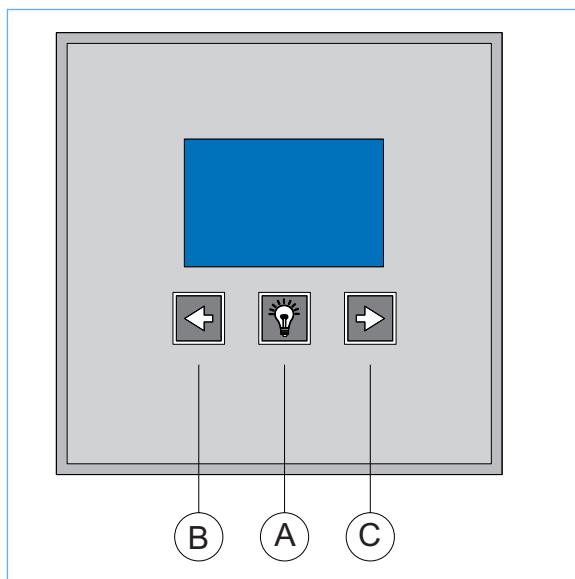


- A Roldeck
- B S-Switch
- C Roldeck Control
- D On /off switch
- E Key switch
- F Optional Level Control
- G Optional Level Measurement Point
- H Remote Control

3 Safety

3.1 Emergency Shutdown

If the key switch on the control box is in the 0 position, it will function as emergency shutdown and the Roldeck cannot be controlled by unauthorized persons. Pressing one of the buttons A, B or C of the S-Switch will work as emergency shutdown as well if the motor is running.

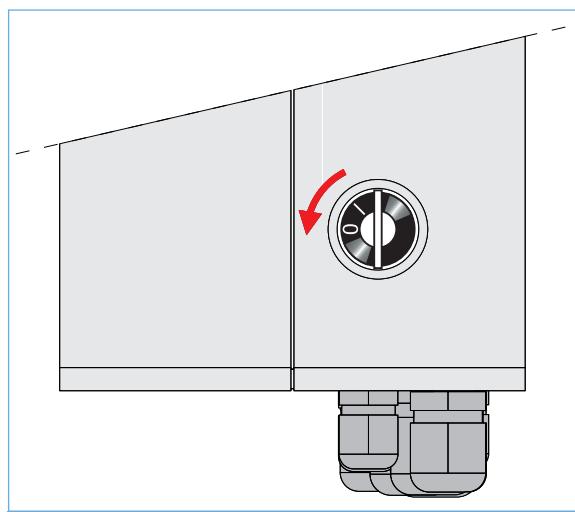


3.2 Operation

To operate the Roldeck the key switch must be in position 1.

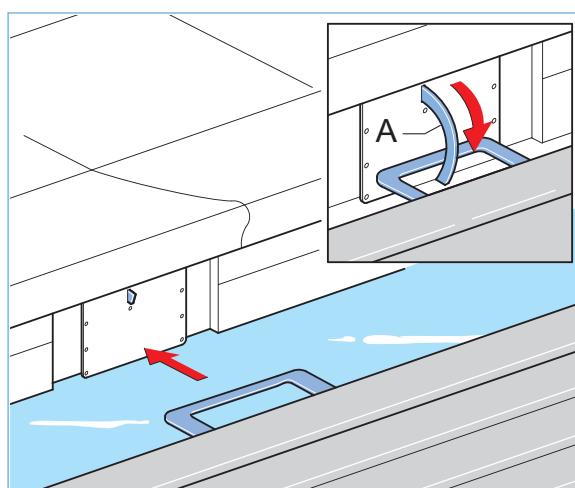
Set the key switch to the 0 position if the Roldeck has been opened. If the key switch is in position 0 it works as emergency stop and the Roldeck is not operable.
(childproof safety)

! Make sure that there aren't any persons or objects in the pool when closing the Roldeck.



3.3 Child Lock

The child lock (A) is an automatical safety lock that prevents children from being able to push open - consciously or unconsciously – the Roldeck. Check operation every time you close the cover. The water level is very important for it to function correctly, if too high or too low the latch hook won't engage correctly with the safety lock.

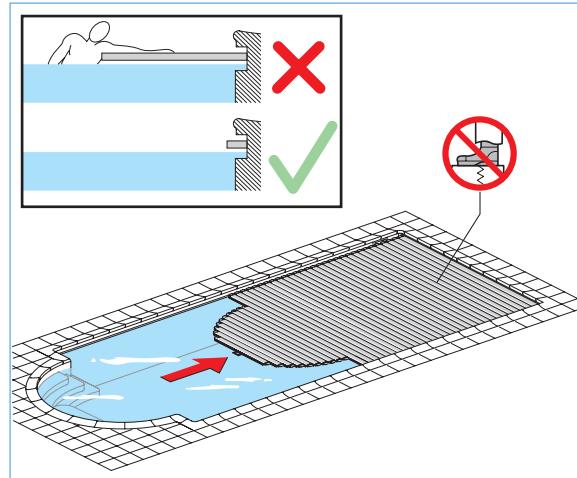


3.4 Roldeck

Always make sure that the Roldeck has been fully opened when the pool is being used. Use of the pool while the Roldeck has been closed partially or completely may result in injury and/or Roldeck damage.

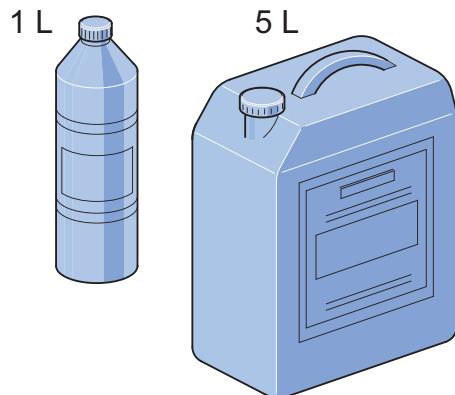


Don't stand/walk on the Roldeck.



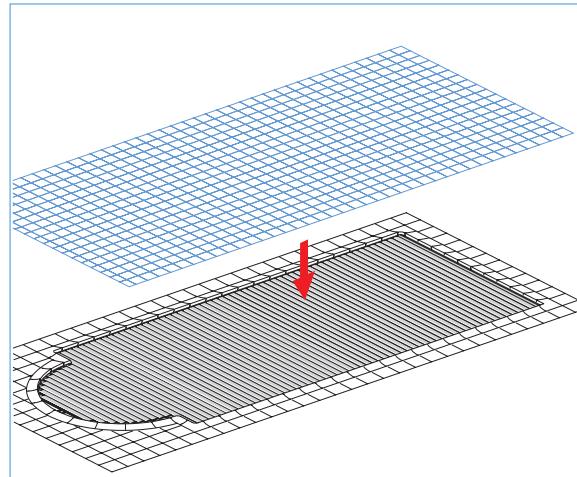
3.5 Descaling

For use, refer to the instructions on the packaging.



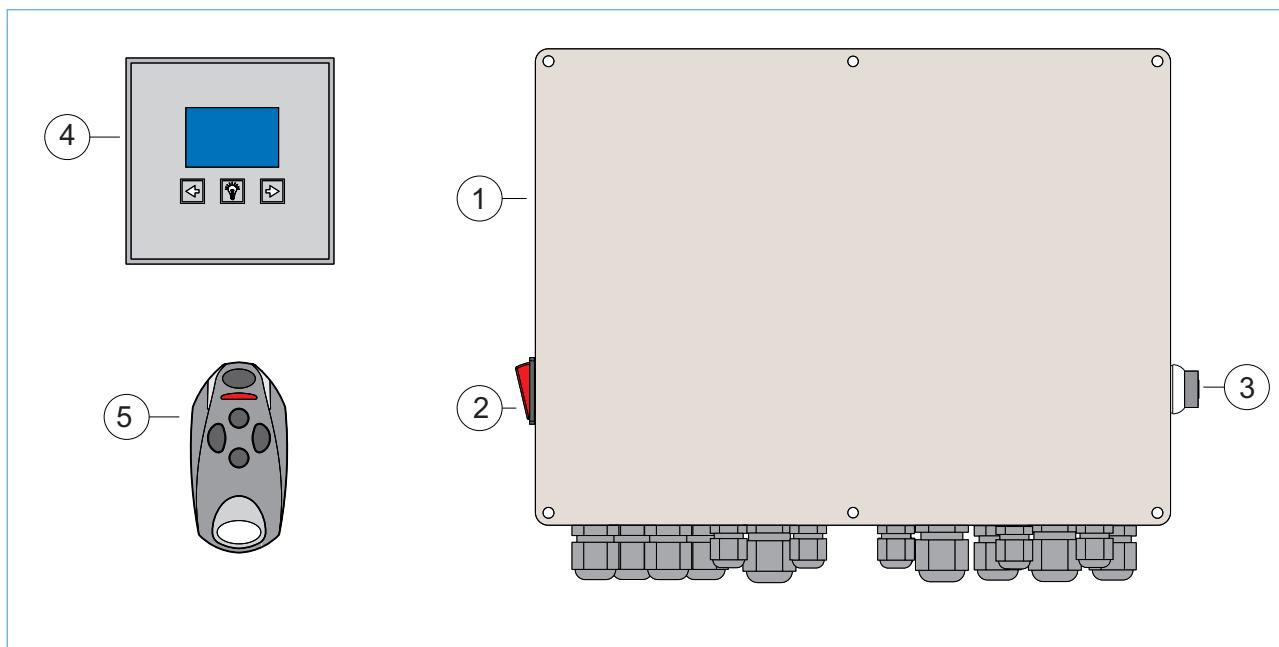
3.6 Preparing for Winter

- The benefits of the Roldeck will be lost if a winter cover is used and the Roldeck left in the open position
- It is true that the Roldeck may become dirtier if a winter cover is used with the Roldeck in the closed position but the pool will be safer.



4 Operation

4.1 Vue d'ensemble des organes de commande



- 1 Boîtier de commande Roldeck RDEB2013
- 2 Interrupteur Marche/Arrêt
- 3 Interrupteur à clé / Arrêt d'urgence
- 4 Panneau de commande S-Switch
- 5 Télécommande

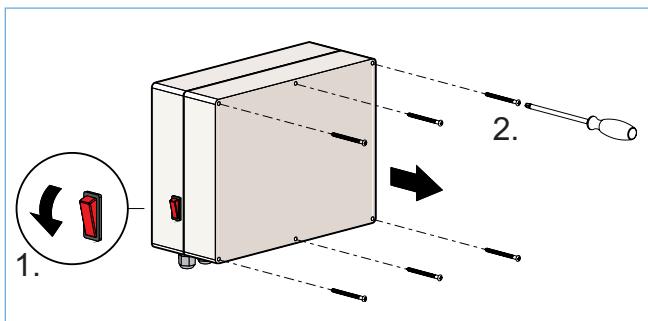
4.2 Removal of the RDEB2013 front panel

REMOVAL OF THE RDEB2013 PANEL



PLEASE NOTE:

1. Before the housing is opened the equipment must be switched off.
 2. Remove the 6 screws from the front panel of the housing.
- Remove the panel of the control housing.



RE-FITTING THE PANEL

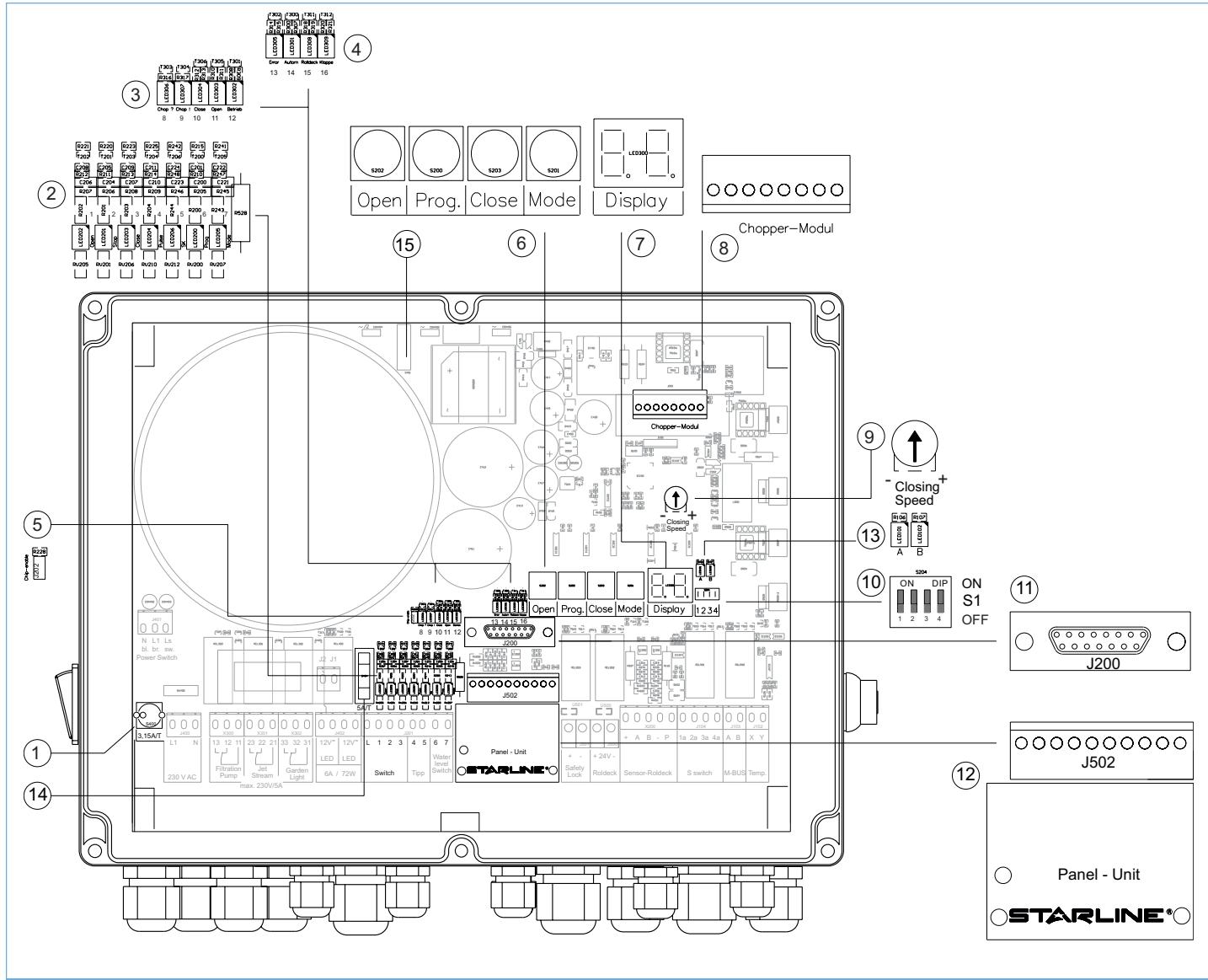
Put the panel back on the housing and tighten the screws crosswise.



NOTE:

Make sure that the panel on the housing is completely closed, otherwise condensation may occur inside the housing which may damage the RDEB2013.

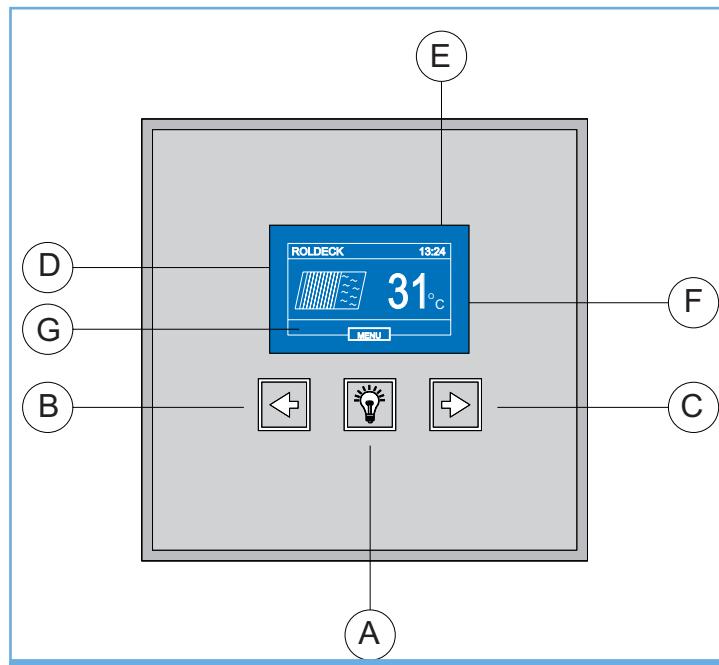
4.3 Overview RDEB2013 Roldeck Control



- 1 Fusible primaire 230V / 3.15 A / T
- 2 LED 01 à 07 (inclus)
- 3 LED 08 à 12 (inclus)
- 4 LED 13 à 16 (inclus)
- 5 Pontet (pour programmation)
- 6 Touches de programmation
- 7 Affichage
- 8 Module de hachage de freinage
- 9 Réglage vitesse "fermeture"
- 10 DIP Switch S1
- 11 Connecteur pour fiche programmation
- 12 Module clapet automatique
- 13 LED A & B signal de capteur moteur
- 14 Fusible lampes LED 12V
- 15 plug-in fusibles 15A

4.4 S-Switch control panel

Au moyen des touches fléchées ↘ ou ↙ le Roldeck peut être “ouvert” ou “fermé” (lors de son ouverture ou de sa fermeture, le Roldeck peut être immobilisé en appuyant sur l'une des trois touches).



	Fonction	Description
A	“Mode” – touche	Cette touche vous permet de commuter sur différentes de commande: <ul style="list-style-type: none"> • Lecture information commande • Calibration température • Programmation émetteur • Réglage date / heure
		By pressing this key one time short, will set your pool lights on or off. When on and pressing the key twice will switch between the color by LED RGB.
		Auto Lock function: After 15 minutes “locked” unlock the S-switch by pressing the menu key a few seconds.
B	“Open” touche	Cette touche commande l'enroulement du Roldeck
C	“Close” touche	Cette touche commande le déroulement du Roldeck
D	Control – “Open” / “Close”	Lecture du statut du Roldeck et autres fonctions
E	Time	Indication de l'heure
F	Temperature	Lecture de la température de l'eau (en option)
G	Indicator symbols	Indicates for example lights or jetstream are on.

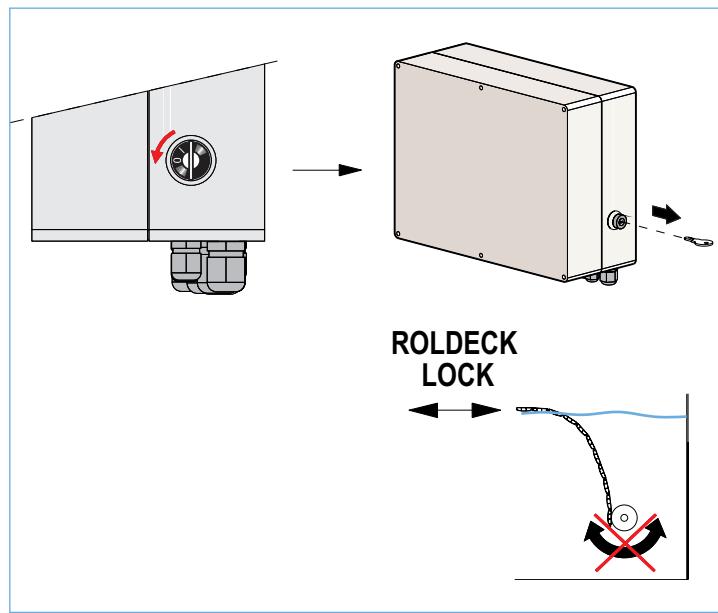
4.5 Utilisation de l'interrupteur à clé



ATTENTION :

Pour pouvoir utiliser le Roldeck, l'interrupteur à clé doit être placé sur la position 1.

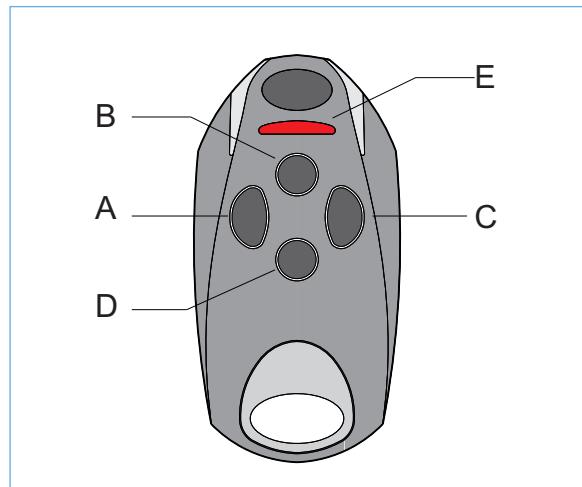
Si l'interrupteur est sur la position 0, il fonctionne comme arrêt d'urgence et le Roldeck ne peut être utilisé (sécurité)



4.6 Télécommande

- A Roldeck ouvrir / arrêter /fermer.
- B éclairage de piscine
- C Jetstream
- D Éclairage de jardin
- E LED: indiquera que la télécommande fonctionne.

Roldeck ouvrir / arrêter / fermer. (A).
With the button (A) the Roldeck can be “opened” or “closed”.



Notes



- Be sure you can see the swimming pool when opening and closing;
- A delay was built into the closing function.

5 Programmation de la commande Roldeck avec le S-Switch

5.1 Roldeck Control

Programming of the Roldeck control occurs with the help of the S-switch control panel.

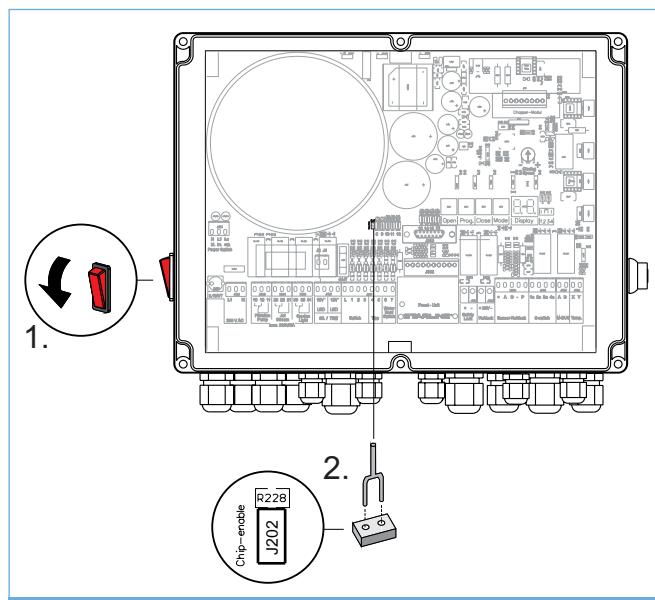
- Activez d'abord la commande au moyen de l'interrupteur rouge (1) et placez le cavalier dans le connecteur (2).

 Leave the jumper connected during use.

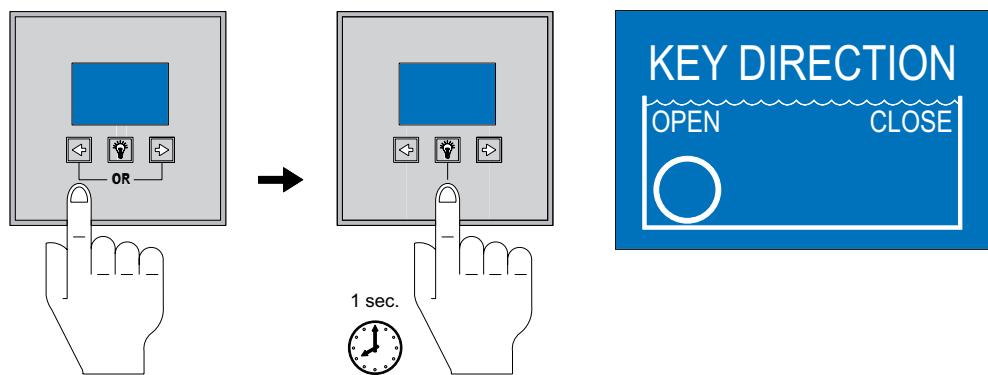
 Il n'est pas possible de programmer le Roldeck avec clapet de fond automatique au moyen du s-switch !

The display shows the following picture "programming" the Roldeck.

The running direction of the Roldeck can be changed.



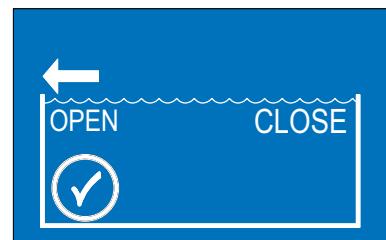
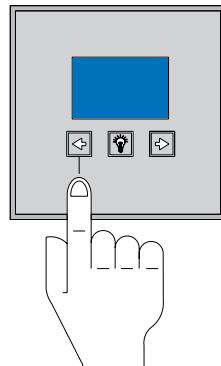
During first programming use the arrow keys ⇄ or ⇌ to change the running direction. Press the middle key "light symbol" shortly to save the running direction.



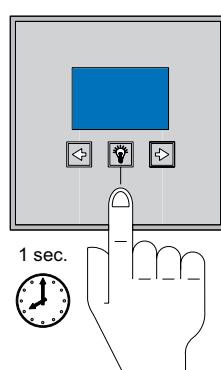
L'écran affiche l'image suivante. Il est possible de démarrer la programmation de la position "OPEN" du Roldeck. La direction de marche du Roldeck est indiquée par la flèche ⇲. Le "X" indique que le moteur n'est pas reconnu.



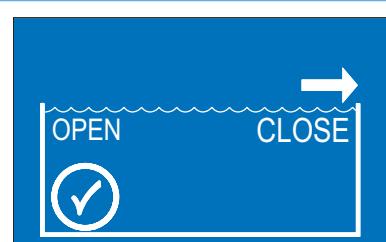
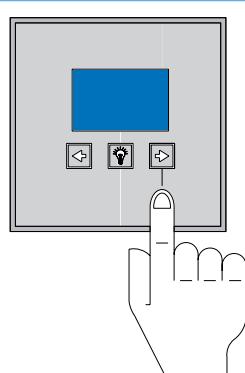
La position "OPEN" est programmée en enfonçant la touche fléchée ⇲. Tenez la touche fléchée ⇲ enfoncée jusqu'à ce que le Roldeck soit totalement ouvert. La flèche au-dessus de la position "open" clignote. Le type de moteur d'entraînement est automatiquement reconnu. Cela est indiqué dans l'affichage par le symbole "✓".



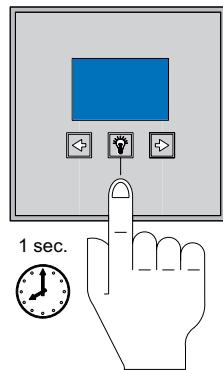
Appuyez brièvement sur la touche du milieu "symbole lampe" pour sauvegarder la position "OPEN" position. Le sablier "⌚" indique un bref délai d'attente.



Immédiatement après, il convient de programmer la position "CLOSE" (automatiquement demandé sur l'affichage). En confirmant la touche fléchée ⇒ le moteur est reconnu. Tenez la touche fléchée ⇒ enfoncée jusqu'à ce que le Roldeck soit totalement fermé.



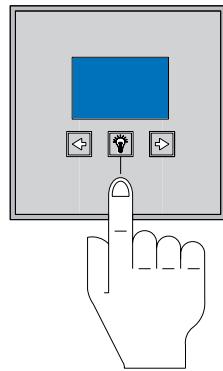
Appuyez brièvement sur la touche "symbole lampe" pour sauvegarder la position "CLOSE" position. Le sablier "☒" indique de nouveau un bref délai d'attente.



Une fois que le Roldeck a été programmé, s'affiche le menu principal de programmation. Le "✓" indique que la programmation a été effectuée avec succès.

Remarque : le fait de toucher le symbole lampe met fin à la programmation. Enlevez également le cavalier sur le circuit imprimé de la commande !

Pour le réglage de précision du Roldeck, reportez-vous aux pages suivantes.

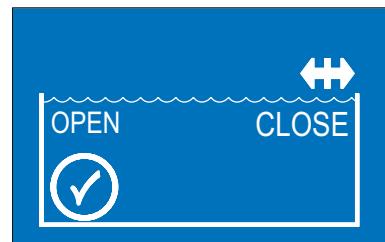
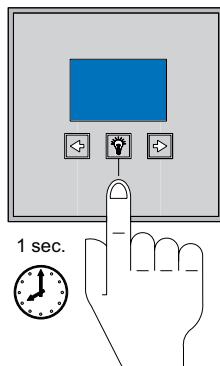


5.2 Réglage de précision du Roldeck avec le S-Switch

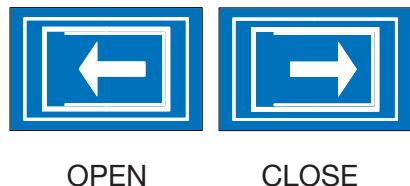
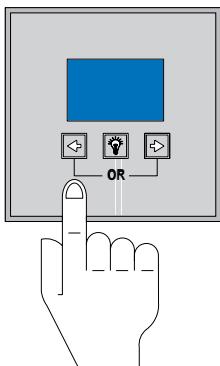
Par l'intermédiaire du S-Switch il est possible, maintenant seulement de procéder à une configuration de précision du Roldeck. Appuyez sur la flèche de droite pour ouvrir le menu de configuration „de précision“ et confirmez le menu en appuyant sur le symbole lampe. Il est maintenant possible de procéder à une configuration “fine”. Seules les touches fléchées \leftarrow ou \rightarrow peuvent, désormais, être utilisées pour ajuster la position du Roldeck.



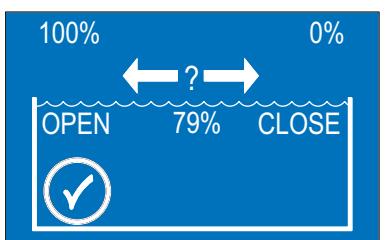
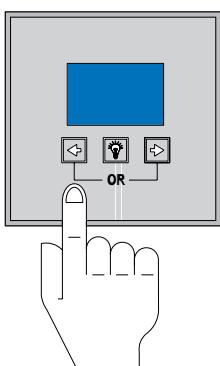
Appuyez brièvement sur la touche du milieu “symbole lampe” pour solliciter le réglage de précision.
shortly the fine tuning is called ($\leftarrow\rightleftharpoons\rightarrow$ clignote). Le Roldeck est dans la position “CLOSE” ce qui indique qu'un réglage de précision est possible pour la position “close”.



Le Roldeck est amené, par le biais des flèches \leftarrow “OPEN” ou \rightarrow “CLOSE” vers la position correcte.

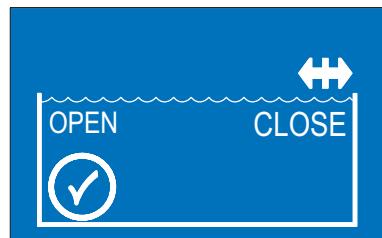
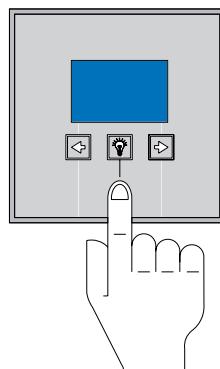


Le réglage de précision du Roldeck est affiché en pourcentage.

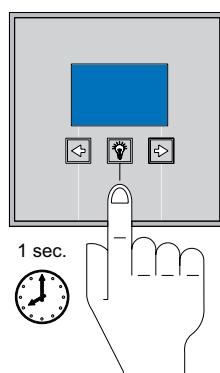


La position du Roldeck est sauvegardée au moyen de la touche "symbole lampe".

Après la configuration du réglage de précision, le S-Switch indique si la programmation a été ou non réussie. Si la programmation a été réussie est affichée un "✓".



Si la programmation est réussie, il est possible de choisir les boutons fléchés ⇡ ou ⇢ le symbole "Exit" pour fermer la programmation. Touchez ensuite brièvement la touche "symbole lampe" du milieu pour fermer le programme.

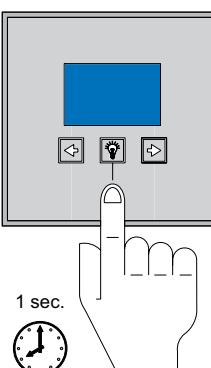
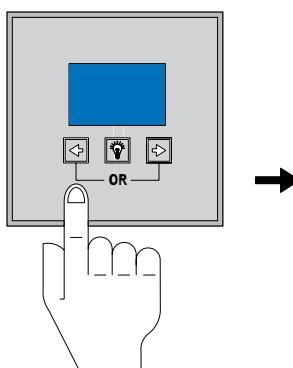


La programmation est achevée.

Enlevez également le cavalier "B" sur le circuit imprimé de la commande.

En cas d'échec de la programmation, s'affiche "X". C'est ce qui se passe lorsque n'a pas été programmée de position ou lorsqu'une seule position a été programmée.

En cas de programmation incorrecte, il convient de supprimer toute la programmation. Sélectionnez, à l'aide des touches fléchées ⇡ ou ⇢ (PROG "X"), puis appuyez sur le symbole lampe. Le programme est effacé. Recommencez la programmation du Roldeck.



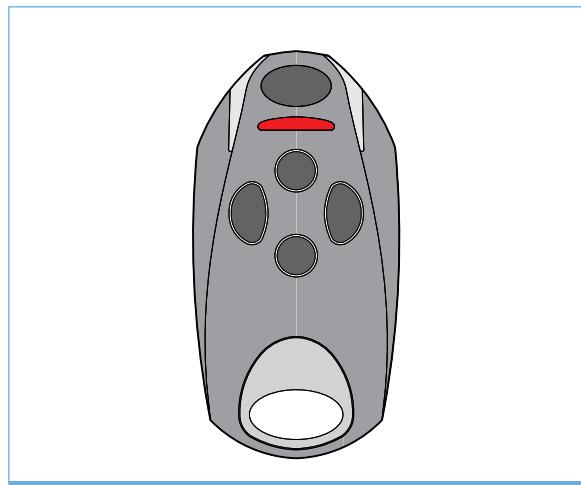
5.3 Programmation de la télécommande

The remote control transmitter is pre-programmed.

If the transmitter is replaced, or if the number of transmitters is expanded, follow the procedure below.

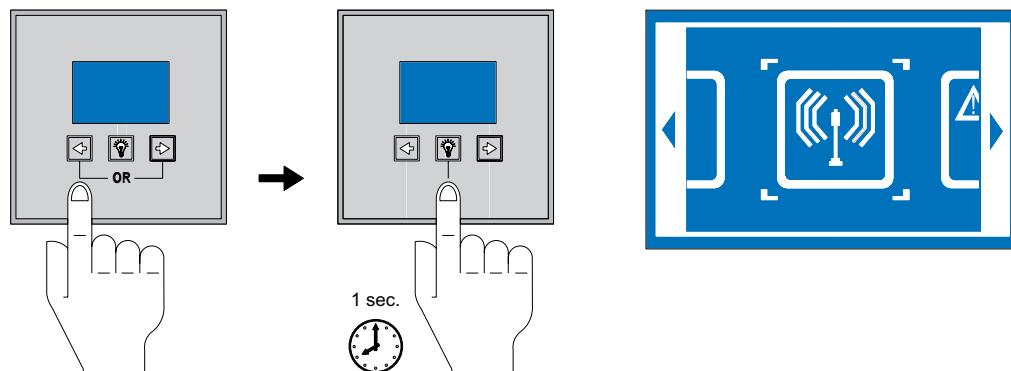


Make sure that the transmitter and the receiver will not be more than 5 meter distance from each other during programming.



Au moyen des touches fléchées ⇄ ou ⇌, tous les autres items du menu peuvent, de nouveau, être sélectionnés.

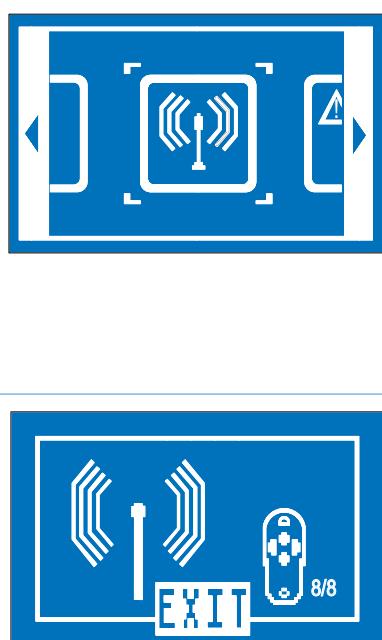
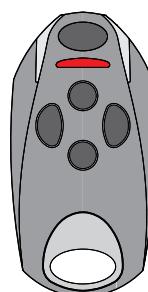
Sélectionnez le symbole “Antenne” et confirmez avec le “symbole lampe”.



Le symbole “Antenne & télécommande” est maintenant actif.

Pour programmer l'émetteur, il convient d'appuyer sur l'une des 4 touches de la télécommande.

Lorsque l'émetteur est reconnu, le menu “Programmation émetteur” est immédiatement clos.



Emetteur / récepteur sont programmés.

Il est possible de programmer au maximum 8 émetteurs manuels.

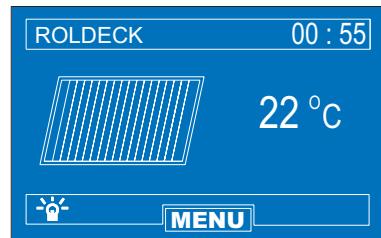
Pour le nombre d'émetteurs manuels programmés, voir sur la droite de l'affichage.

Fonctions télécommande.

LED éclairage de piscine (B).

L'éclairage de la piscine peut être activé et désactivé au moyen de la touche (B). Lorsque l'éclairage de la piscine est allumé et que le Roldeck est mis en marche, l'éclairage de la piscine s'éteint. Lorsque le Roldeck s'est arrêté, l'éclairage de la piscine s'allume de nouveau. Le symbole lampe s'allume sur l'affichage.

Press button B to switch on the pool lights, then press button for a few seconds to switch between the color by LED RGB.



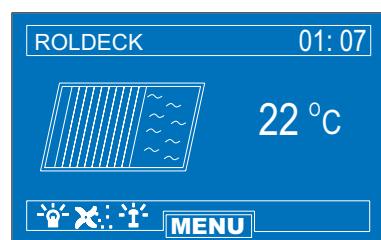
Eclairage de piscine
ALLUMÉ

Jetstream (C) et éclairage de jardin (D).

Ces fonctions peuvent uniquement être activées au moyen de la télécommande livrée.

La fonction peut être activée en appuyant sur la touche de la télécommande.

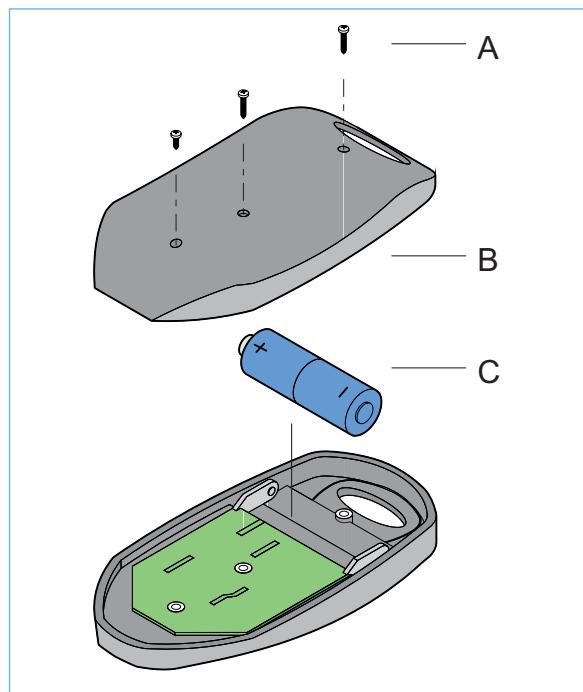
La fonction peut être désactivée en appuyant de nouveau sur le bouton de la télécommande.



Eclairage de jardin Allumé
Jetstream EN MARCHE

Battery replacement

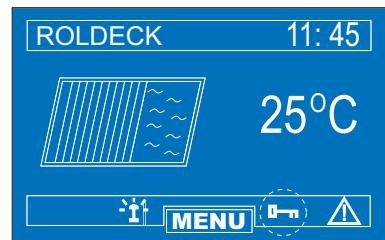
- Remove the 3 screws (A) from the bottom of the housing.
- Remove the bottom plate (B).
- Replace the battery with the same item (A23 12 V).
- Watch the polarity.



Frequency: 433.92 MHz.

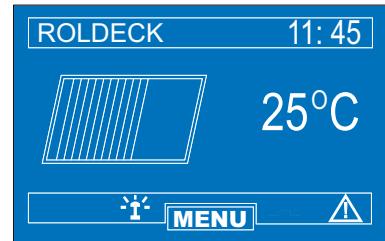
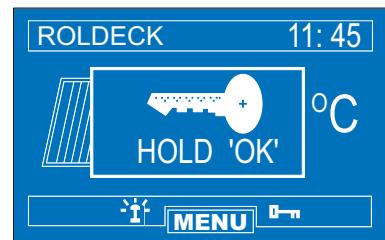
5.4 Releasing Keylock S-Switch

The display shows the keylock active.



When pressing 1x at any key, the "KEY LOCK HOLD OK" overlay screen will appear automatically after 15 minutes (timeout).

If the display shows "KEY LOCK HOLD OK" press the OK button for 3 seconds, to unlock.



5.5 AutoLock function

By pressing the middle key “light symbol” for 3 seconds the menu of the S-switch opens.

By touching the arrow keys \leftarrow or \rightarrow briefly you can scroll through the menu.

Select the symbol “time” and confirm this with the “light symbol”. It is now possible to switch on/off the AutoLock function.

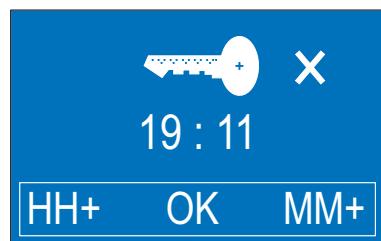
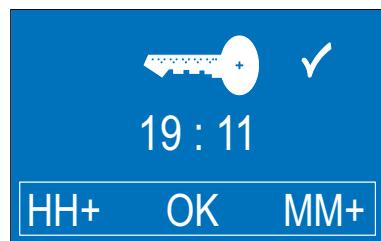
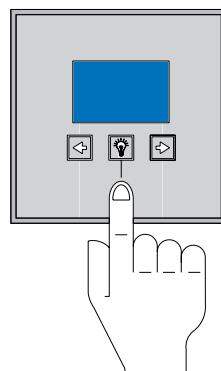
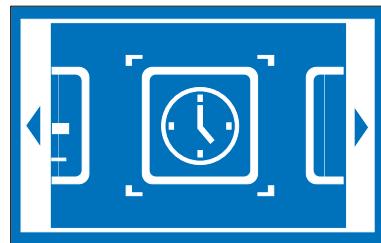
By touching “light symbol” the AutoLock function can be switched on or off.

The time is set by using the arrow keys \leftarrow or \rightarrow .

Symbol “ \leftarrow ” setting hours, Symbol “ \rightarrow ” setting minutes

Then confirmed the time by pressing the key “light symbol” for 3 seconds.

The menu returns to the symbol time.

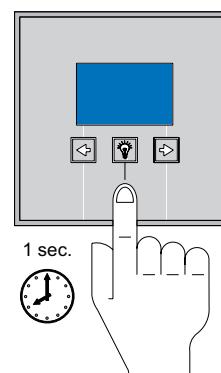


5.6 Changing position of the Roldeck (afterwards)

First turn on the Roldeck Control by means of the red button and connect the jumper of the RD2013 into socket.

The position of the Roldeck can be changed after programming by pressing the lamp key of the S-Switch.

Then go to exit.

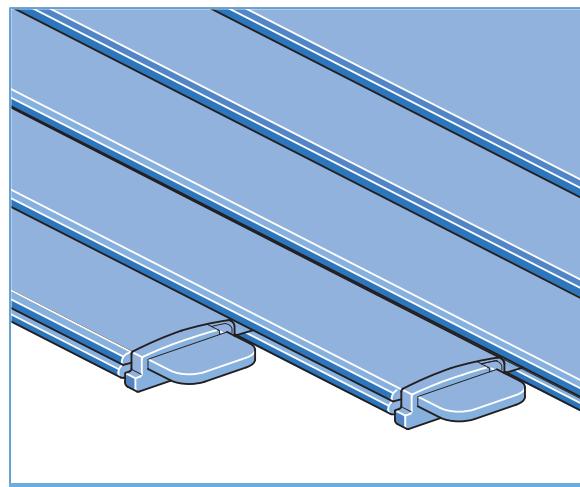


6 Cleaning and Maintenance

6.1 Slats

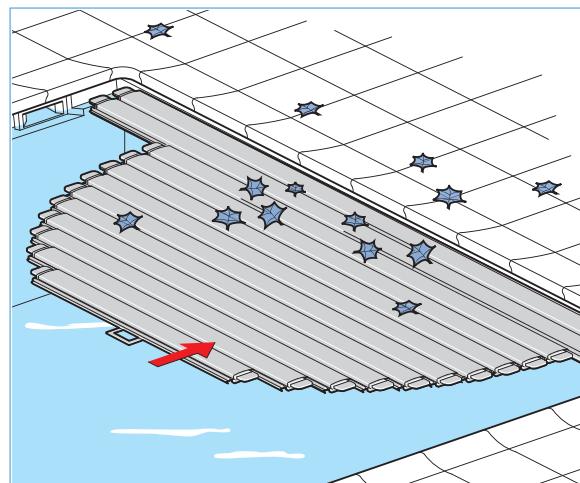
Clean the slatted cover at least twice a year with a high-pressure cleaner and a hard brush. Algae growth on the slats can develop itself both on the top side and the bottom side of the Roldeck.

- The water circulation system (filter system) must run during daytime when solar or transparent slats are being used. Because with these types of slats heat will concentrate underneath the cover which will cause the slats to wear more quickly or even cause deforming of the slats.
- Use a high pressure cleaner carefully.
- The slats may not be exposed to sunshine for any length of time when they are not in contact with the water.



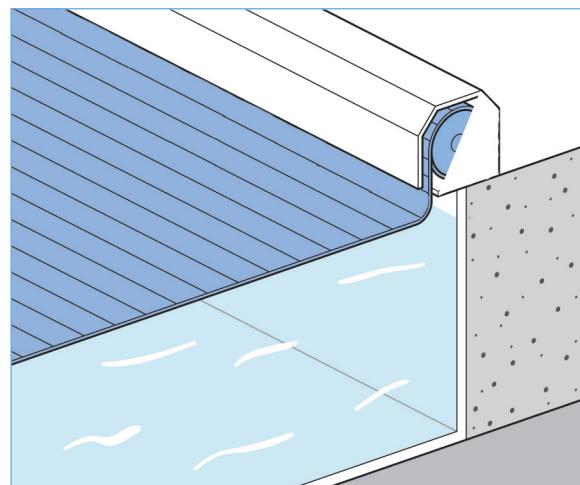
6.2 Debris

Remove leafs and other debris before closing. This will prevent the cover pit from getting too dirty.



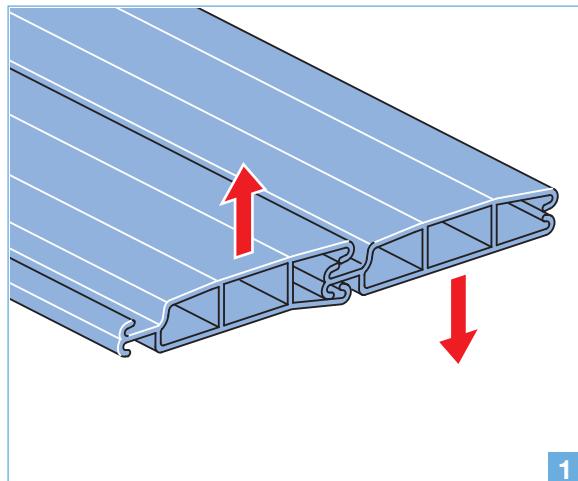
6.3 Housing

Clean the housing with a high pressure cleaner and a soft brush or sponge.



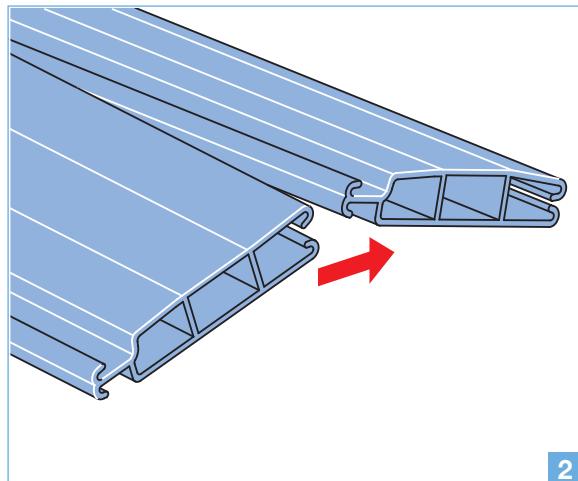
6.4 Disassembling slats

Upward the left slat in relation to the right slat (this can be reversed), the upper hook latch of the right slat can come out of the lock. Next, the lower hook latch can be taken out of the lock.



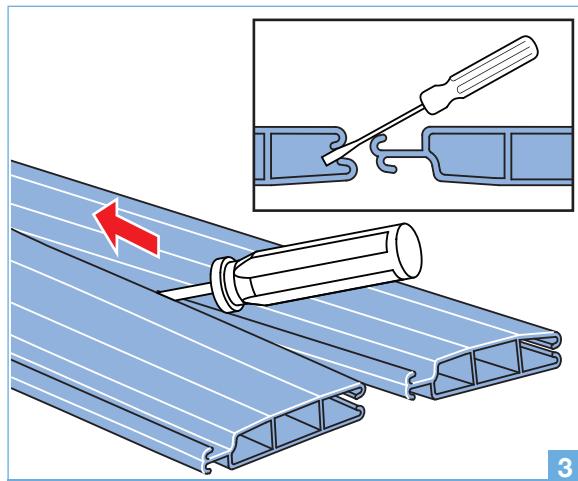
1

The slats can now be divided across a length of about 10 cm.



2

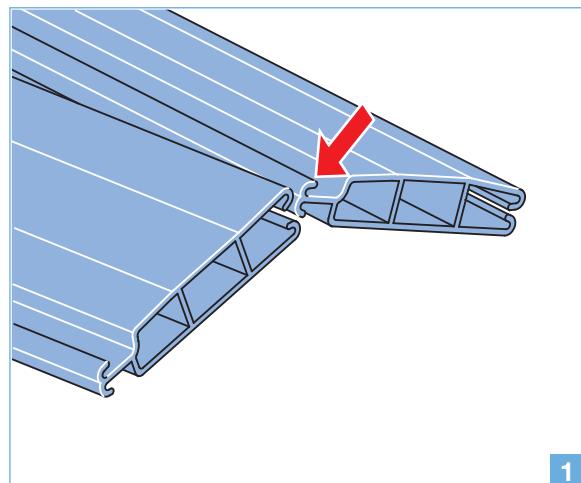
Use a screwdriver to divide the slats across the entire length.



3

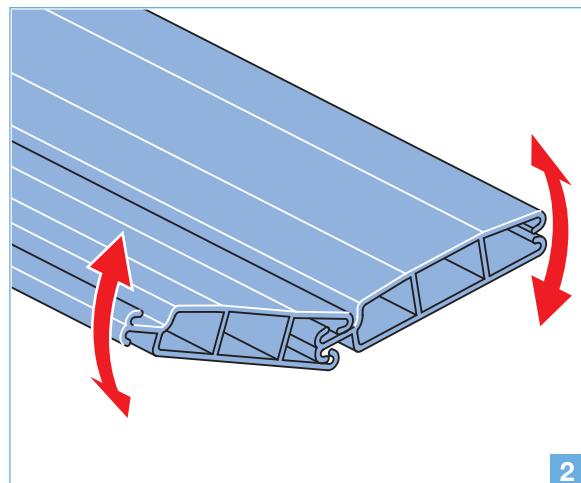
6.5 Assembling slats

Bring the slats together. Latch the hook latches together, starting with the lower hook latch of the right slats (this can be reversed).



1

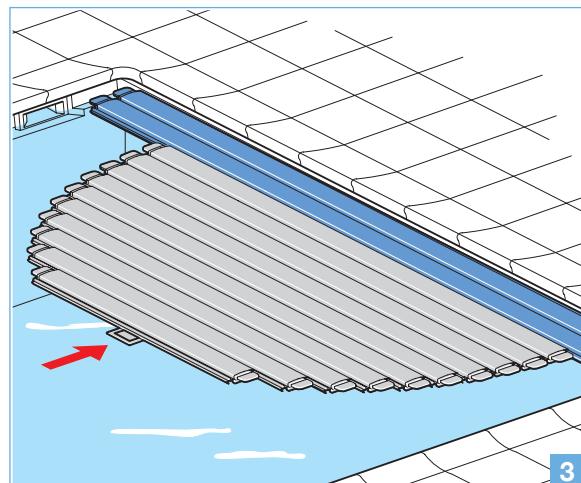
Try to make the connection across the entire length of the slats by moving up and down.



2

Note

 Slide the Roldeck towards the edge as close as possible. This will simplify replacement of the slats.

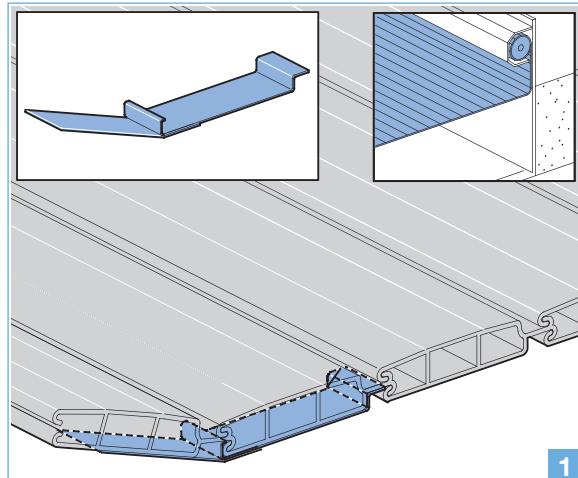


3

6.6 Clips and Brackets

Non-slip guiding bracket

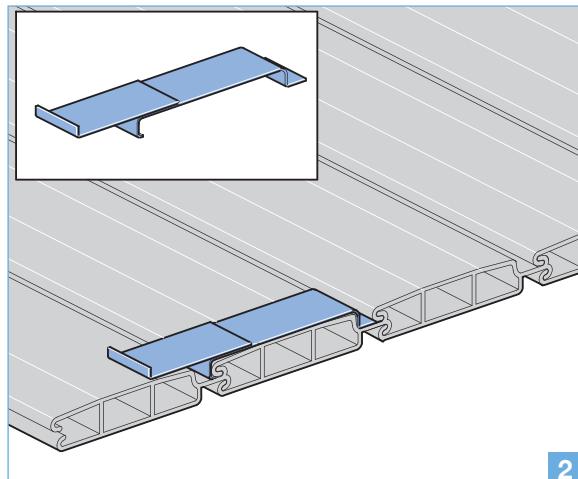
The purpose of the directional guide handle is to have the slats, when these go into the water based on an assembly instruction, go in the right direction. The first slats will be under an angle in relation to the second slats due to the clip, so that a bow will be formed like with a boat.



1

Non-slip Clip

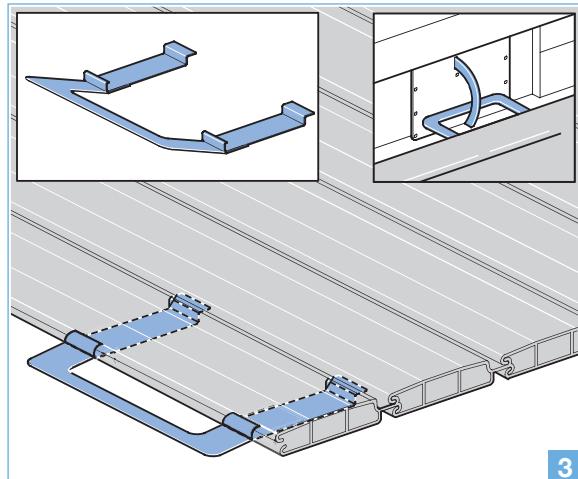
The non-slip clip is intended to prevent sliding of the slats into the recess in case of a roldeck with extremely shaped walk-in stairs. If the end customer finds it, he should warn the installer to reposition the clips. It is very hard for the end customer to determine the correct position.



2

Child Safety Handle

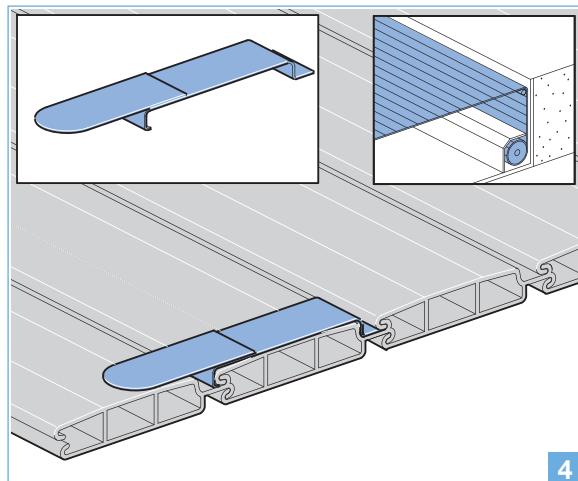
The child safety handle has been mounted onto the first slats and it serves as locking hole for the child safety lock's hook latch, in order that the roldeck cannot be pushed open.



3

Roldeck guiding bracket (below-ground system)

The function of the directional guide handle fitting is to guide the slats that come upward out of the water into the correct direction. As the clip was mounted onto the second slats, the rounded part will ensure that the first slats can only pivot one way.



6.7 Descaling

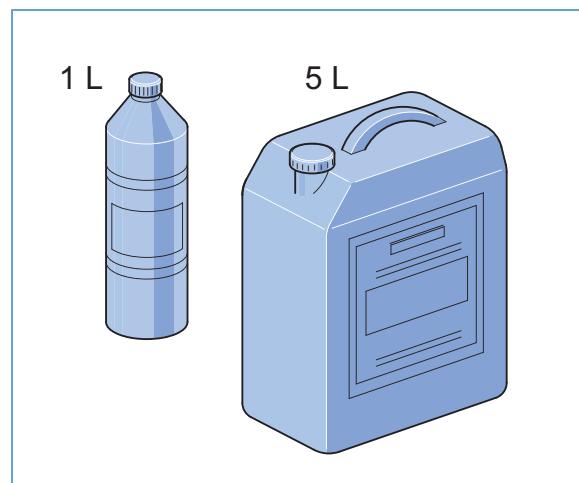
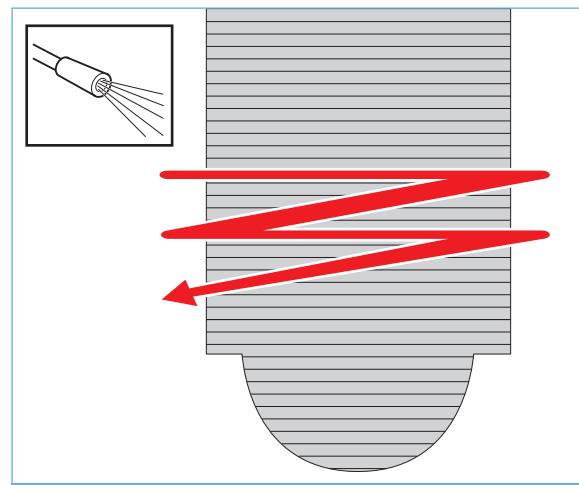
Slat scale can develop itself on the top side of the slats.

- Moisten the cover slats by spraying the descaler across the cover with a sprayer (1 liter per 10 m²).
- Let the descaler act on the surface for about 1 or 2 hours.
- Spray the roldeck in bands from left to right in order to spray all calcium out of the cavities. Brush the slats first with a scrubber if necessary.
- Vacuum the swimming pool to remove debris that has formed due to the cleaning.
- After this, backwash the filter.
- Recover the water pH value by adding Starline pH+.

The decalcifier will disappear from the water in a day.



Handle the pressure washer with care



WARNING:

- First read the instructions on the packing before using.
- Keep descaler out of the reach of children.
- Keep descaler away from food, drink and animal feeding stuffs.
- Avoid contact of descaler with the skin.
- Avoid contact of descaler with the eyes. In case of eye contact, immediately rinse with plenty of water and get expert medical advice.
- Make sure when using a sprayer that the swimming pool terrace will not be corroded by descaler.
- After descaler use, wait at least two hours before putting the swimming pool into use again.
- If descaler is used repeatedly, use an intermediate period of about 1 or 2 days on account of water economy.
- Dispose of both the material and the packing as chemical waste.

7 Failures

7.1 Aperçu des messages de panne

Consult the failure table below in cause of a display error.

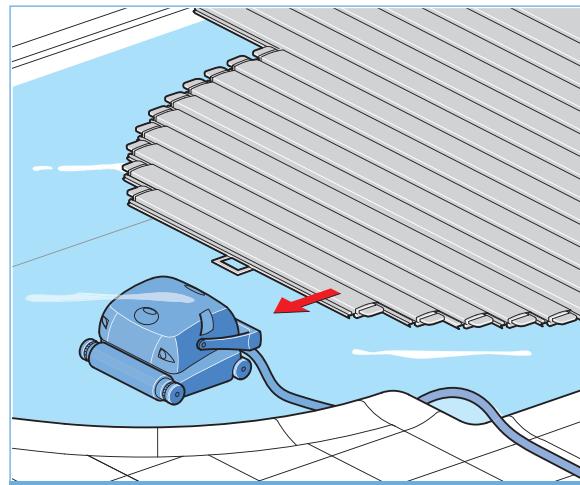
Contact the installer if necessary.

Display Error	Description
F01	• Faute à démarrage (pas d'impulsion dans 1s après démarrage)
F02	• Faute à blocus (pas d'impulsion dans 1s en tournant)
F03	• Direction de rotation erronée (50 impulsions dans la mauvaise direction)
F04	• Court-circuit (courant moteur > 30A)
F05	• Trop de courant (courant de moteur pendant 10 s > 9,5 A)
F06	• Runtime error (Roldeck > 900s, bottom lid > 120s)
F07	• Surcharge (tension moteur pendant 5s > 45V)
F09	• Température trop élevée module hachage de freinage (temp. > 100 ° C)
F10	• Sensor short circuit (sensor inputs A & B)
F11	• Erreur de détecteur (les deux détecteurs sont différents)
F12	• Surcharge absolue (tension moteur > 60V)
F21	• Entrée détecteur de niveau d'eau ouverte (Modèle RD : SK)
F22	• entrée interrupteur à clé est ouvert
F31	• Sous-pression entraînement Roldeck, pression trop faible dans moteur tubulaire Roldeck
F32	• Sous-pression entraînement clapet, pression trop faible dans moteur tubulaire du clapet automatique

En cas de messages d'erreur F04, F11 en F12 : désactivation de la commande

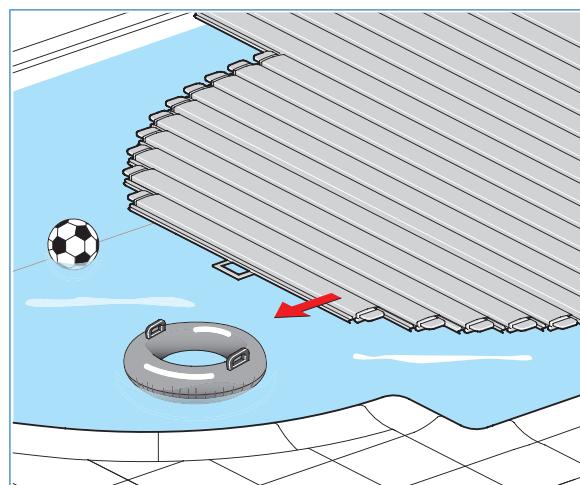
7.2 Failure Prevention

- ⚠** Make sure the bottom vacuum hose or cable will not be pulled along when moving the Roldeck.



Obstacles

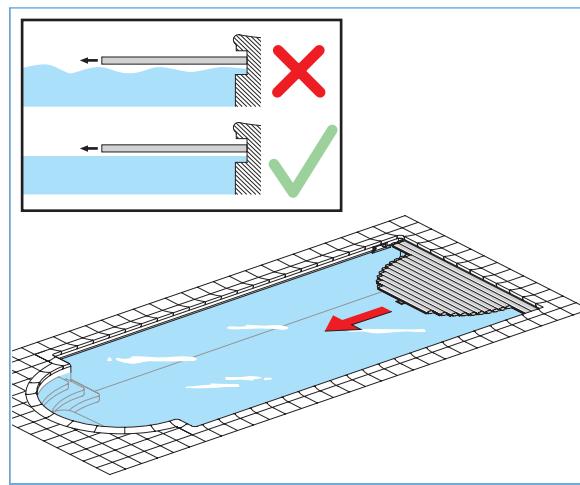
Remove all floating objects from the water and from the Roldeck before opening and closing.



Wave Action

Don't close until water wave action has disappeared and the water is behaving calmly.

- ⚠** Wait a minimum of 30 seconds.

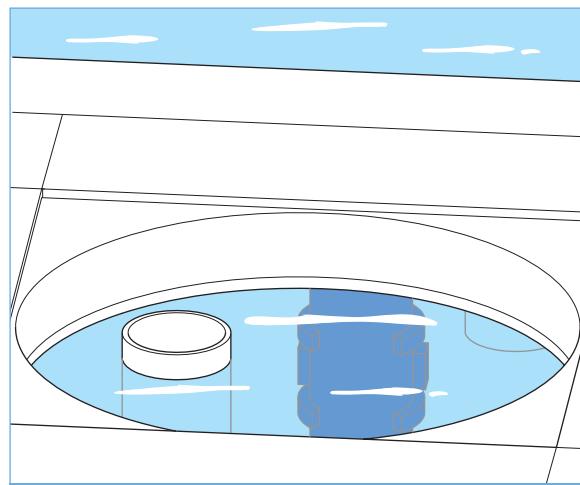


7.3 Water Level Control

Level Control

The water level control is a combination of a Starline level control and an overflow. The water level control's purpose is to level optimally the swimming pool's water level.

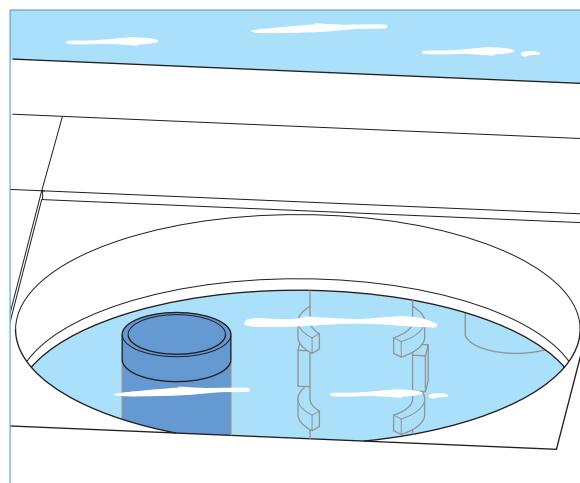
⚠️ Keep the water level at the correct level, in order that the Roldeck doesn't experience any hindrance from edge stones, the safety edge or gripping bars.



Overflow

The overflow in the skimmer makes sure excess water will immediately drain into the waste pipe.

The correct water level will be set by the installer.

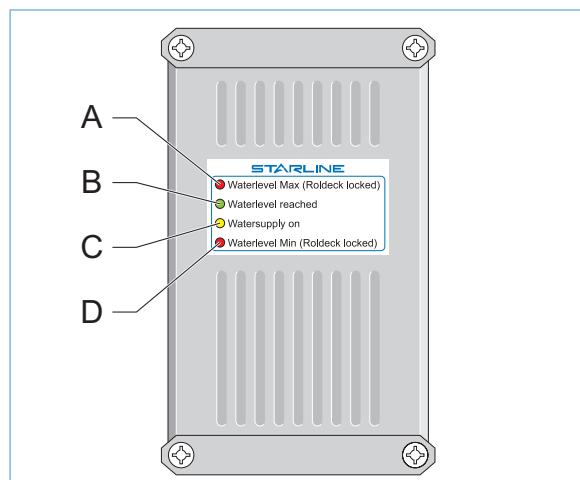


Level Control

The level control is fitted with 4 LED indicators:

- A Max. water level (Roldeck cannot open or close)
- B Water level correct
- C Water supply enabled
- D Min. water level (refer to A)

If all LED's light, the level control has run for 12 hours continuously; if LED A+D light, there is a miscommunication between the sensor and the level control. Consult your installer in that case.



7.4 Commande manuelle Roldeck

Si le moteur du Roldeck ne fonctionne plus, suite à une panne du détecteur (code d'erreur visible sur l'affichage LED ou s-switch). La fonction du détecteur est désactivée par le biais d'une combinaison de boutons en association avec le pontet.

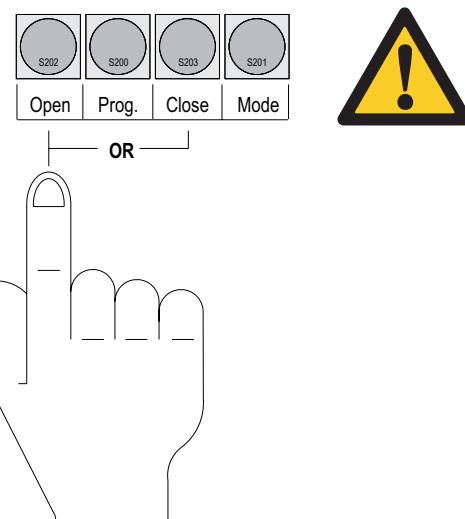
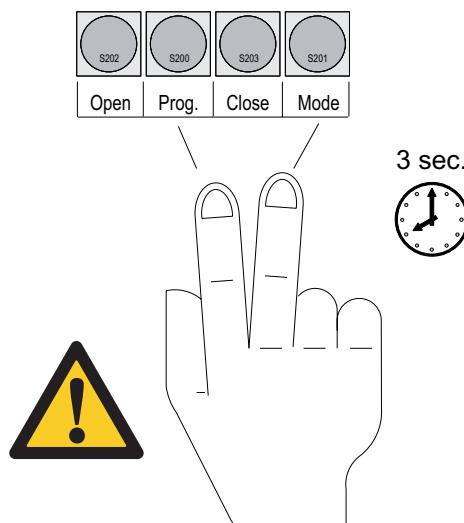
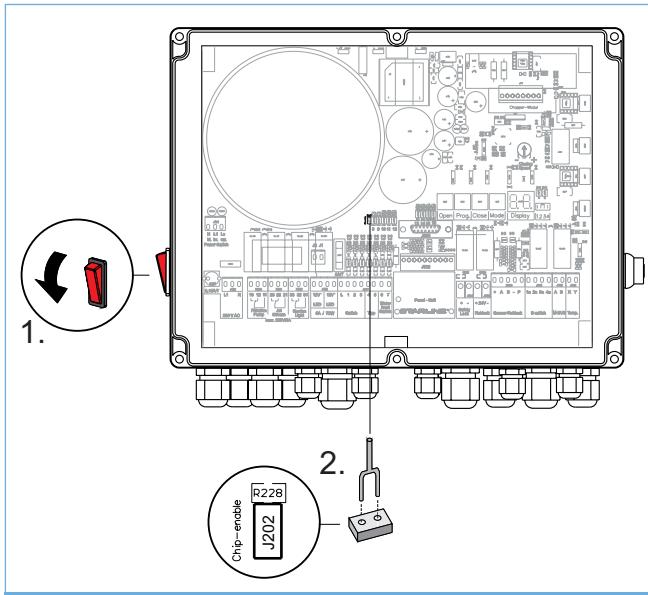
Activez d'abord la commande au moyen de l'interrupteur rouge (1) et placez le cavalier dans le connecteur (2).

Appuyez ensuite simultanément pendant 3 secondes sur le boutons "Mode" et "Close".

La fonction de commande manuelle du Roldeck est une manipulation de secours qui entraîne l'effacement des positions de début et de fin (programme) dans la mémoire, lesquelles devront être de nouveau programmées again.

Il est ensuite possible d'utiliser le Roldeck manuellement en tenant enfoncé le bouton "Open" ou "Close" de l'interrupteur à clé, jusqu'à ce que le Roldeck se trouve dans la position désirée.

Le Roldeck ne s'arrête pas automatiquement. Veillez donc à ce que, lors de son ouverture ou fermeture, il n'avance pas trop loin.



8 Technical Specifications

Slats material	Hard PVC / PC	
Slats weight	4,8 kg/m ² - 5 kg/m ²	
Available colors	White Blue Gray Cream Translucent (especially suitable for internal swimming pools) Solar (especially for external swimming pools)	
Control	RDEB2013 Microprocessor-controlled (EEPROM) 230 V / 24 V	
Drive mechanism	24 V separate driving motor / In-roller motor	
Insulation value	4 - 6 W/m ² K (depends on wind speed/direction)	
Energy saving	Internal pool	up to 70 %
	External pool	60 - 80 %

8.1 External Motor / In-roller motor

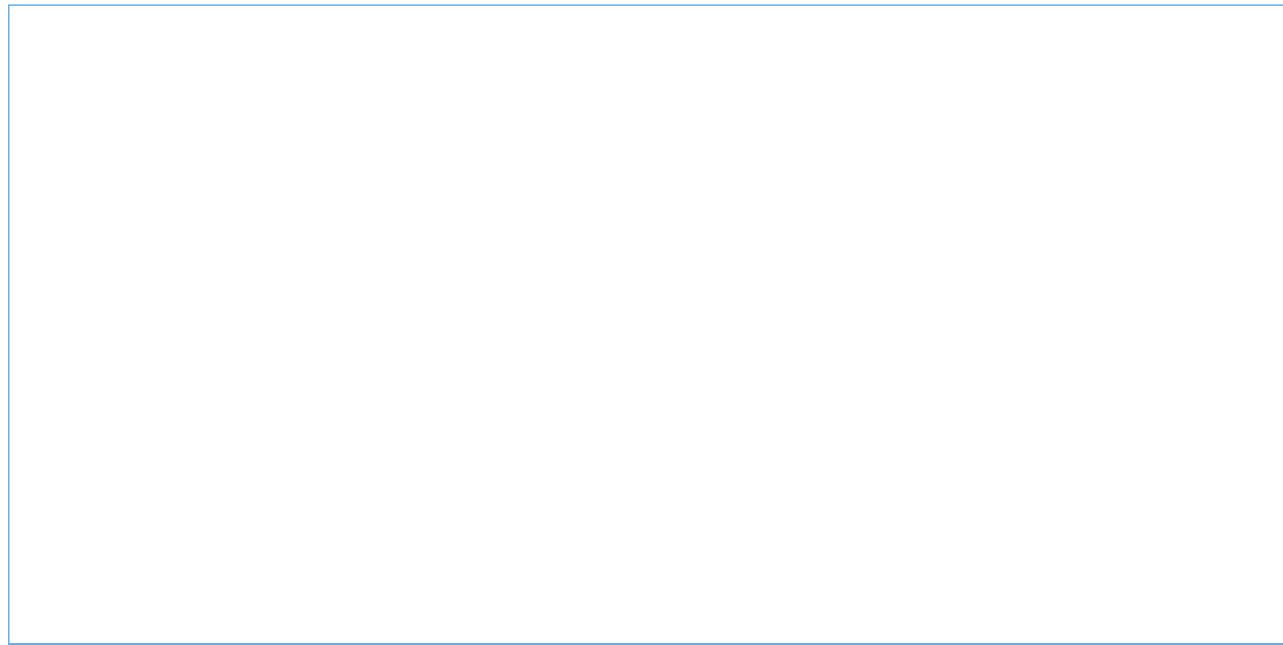
Model	
Construction year	
Serial number	

8.2 RDEB2013

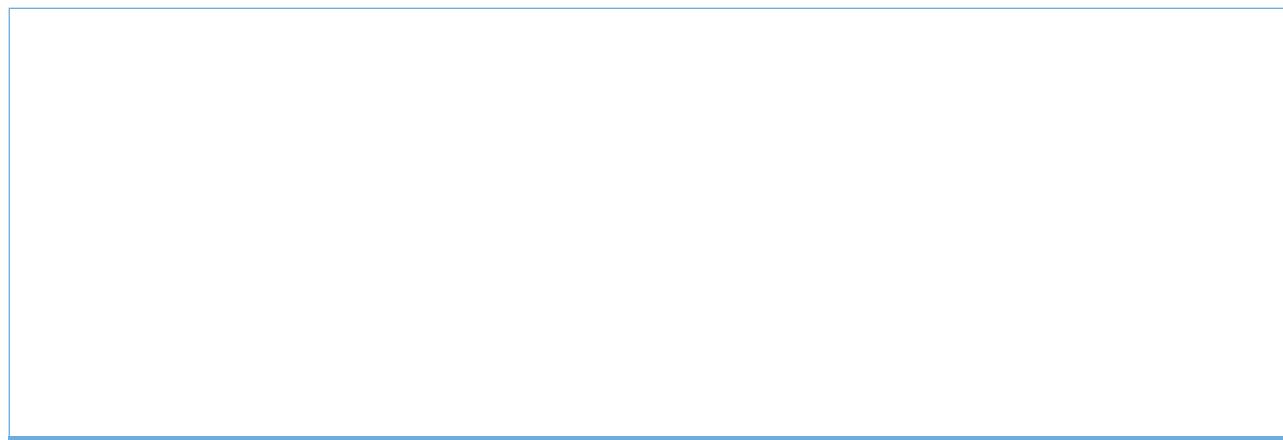
Model	
Construction year	
Serial number	

9 Supplement/Suplemento

Sticker/Kleber/Sticker/Etiqueta/Autocollant



Installer Stamp/Installateursaufdruck/Installateur stempel/ Instalador de sello



Notes/Bemerkungen/Opmerkingen/ Comentarios/ Commentaires



STARLINE, LEADING IN POOLS & EQUIPMENT