

Installation Guide EZ1

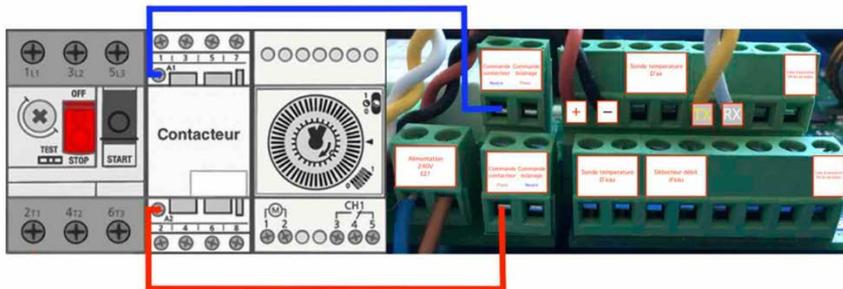
Disjunct your installation before all connections.

Fix the box EZ1 in your technical room

Install the box EZ1 according to the video on the site www.ezpool.app

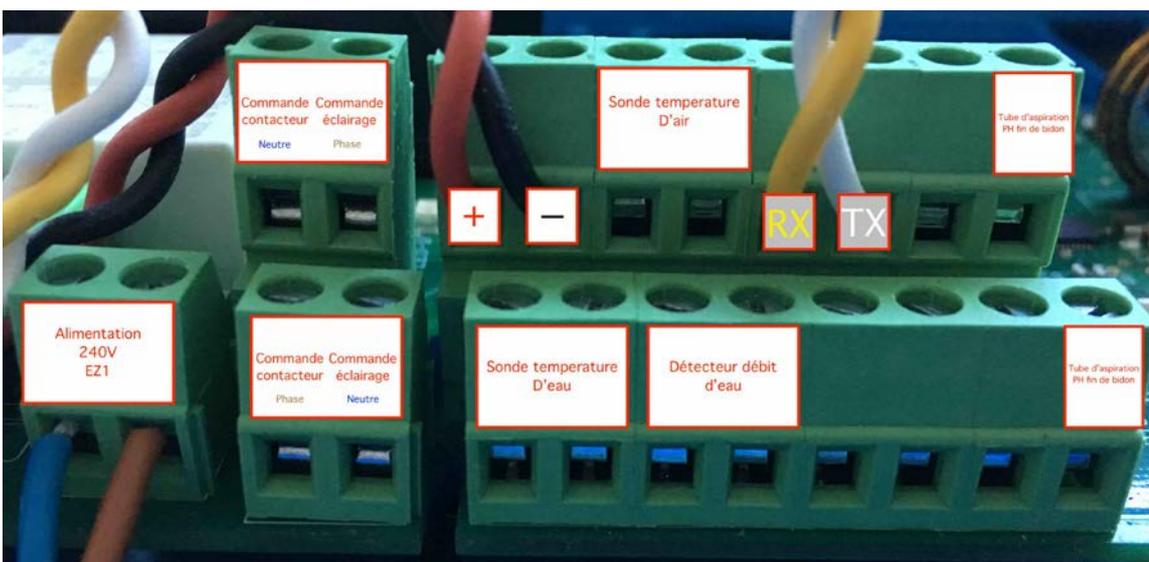
Connect and install the air temperature sensor outside the technical room and under cover,
 Connect and install the water temperature sensor to the hydraulic circuit, using the support collar.
 Connect and install the water flow sensor to the hydraulic circuit, using the support collar.

Wiring diagram EZ1



Lastly make the electrical connection of the box EZ1 on a 10A independent circuit breaker on the electrical panel.

Connection diagram EZ1



User Manual EZ1

1- Download the application on



2- Registrar :

Press at the top left on  to access the home page

- Créer un compte dans mon profil
- Create a pool (you can connect as many pools as you like)
 - Serial number info EZ1
 - Basin info

3- Connexion et appairage à votre Wifi en 2,4 GHz (the frequency 5 GHz is not compatible)

Check that you have activated your bluetooth connection and wifi, for the first operation you must be next to the box EZ1.

Select "**connected pool**" in your home page,

Enter the SSID of your Wifi,

Enter your Wifi key.

If the Wifi connection is not powerful enough, you must improve it either with a CPL type system or with a WiFi repeater.

4- Using the box EZ1

This device will allow you to receive information from one or more pools with the same application. You will interact with your technical room wherever you are.

You can rename your pool or pools.

Air and water temperature probes

They will communicate the air and water temperatures.

Water Flow Switch (WFS)

It makes it possible to check if you have water flow in your hydraulic circuit during the periods of filtration. If this is not the case you will have an alert allowing you to check and solve the anomaly to avoid damaging your filtration pump.

Filtration pump

- You can turn on or off your filtration pump.
- You can also program 2 operating ranges in "Manual" mode,
- You can make it run in forced mode in "24/24" mode,
- The "Auto" mode will be available only with the EZ2 box.

Light of your pool

- You can turn on or off the lighting of your pool,
- Planning will be available only with the EZ2 box.

Installation Guide EZ2

Disjunct your installation before all connections.

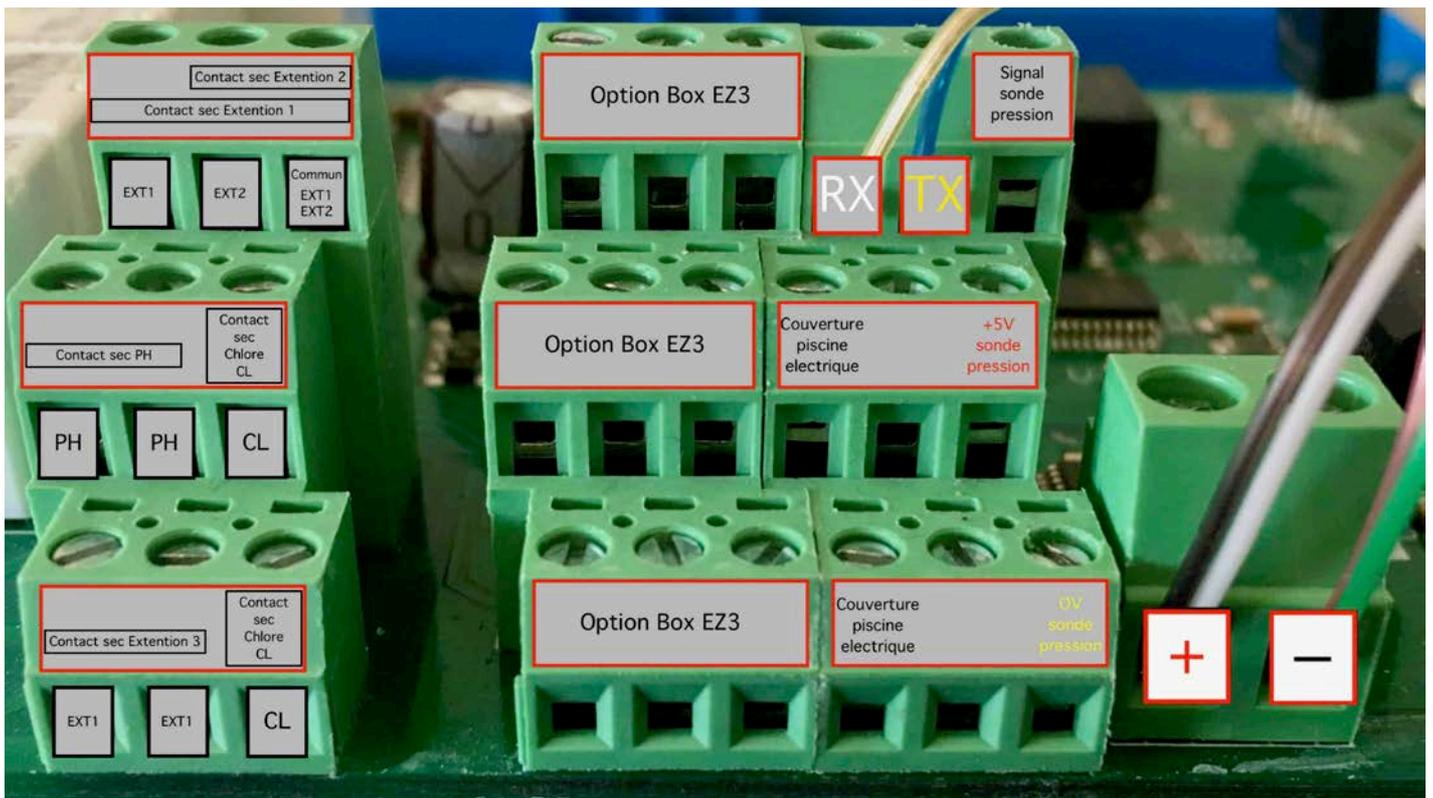
Fix the box EZ2 next to the box EZ1 in your technical room. Using the RJ11 cable, connect EZ2 to EZ1.

Installation and connection of the probes

- Connect and install the **Redox** probe, using the support collar and the probe holder.
- Connect and install the **pH** probe, using the support collar and the probe holder.
- Connect and install the **water pressure** probe, using the support collar.

Dry contact connection

- Connect the return of the dry contact of the electric shutter, to have the information (open/closed),
- Connect the Extensions, you have 3 available (see user manual EZ2).



Option 1: Return of information suction tube PH end of can,

For this you need to buy the accessory "Suction tube PH end of can". For any commercial information, contact your dealer. See connection diagram EZ1.

Option 2 : Gestion niveau d'eau bac tampon,

For this you need to buy the accessory EZ3. For any commercial information, contact your dealer. See connection diagram EZ2.

User Manual EZ2

This device allows you to check the quality of your water and make sure that the treatment devices are working properly. Under no circumstances do we substitute for physical action and we can not be held responsible if the quality of your water is not at your convenience. If this is the case, we advise you to get closer to your pool so that he can check and / or set up your devices.

Redox Probe will tell you if you are treating your water enough.

The measurement is in mV, the reference measurement recorded in the device is 750 mV and the green, yellow and red zones are predefined at +/- 25 mV.

An alert will be sent if the values arrive in the red zone.

You have the possibility of modifying the reference value but it is strongly advised to do it except on the recommendation of your poolman.

Calibration of the Redox probe

Go to the homepage and get the Redox buffer solution,

Select calibration,

Select "Chlorine" and let the application guide you.

pH probe will tell you the pH level.

The reference measurement recorded in the device is 7.1, the green zone +/- 0.1, the yellow zone +/- 0.3 and beyond this will be the red zone.

An alert will be sent to you if the values arrive in the red zone.

You have the possibility of modifying the reference value but it is strongly advised to do it except on the recommendation of your poolman.

Calibration of the pH probe

Go to the homepage and get PH 4 and PH 7 buffer solutions,

Select calibration,

Select "PH" and let the application guide you.

Water pressure sensor will tell you the water pressure in your hydraulic system.

When the pressure drops, we advise you to check that your skimmers and / or filter pump basket are not clogged.

If the pressure increases, we advise you to start a washing, rinsing, of your filter.

If the pressure increases by 0.5 bar, you will receive an alert and the application will stop the filtration pump to avoid damaging it.

Electric cover : This app will tell you if your electric blanket is open or closed.

We remind you that it is strictly forbidden to open or close a remote electric blanket without the possibility to visually monitor this action.

Filtration pump in "Auto" mode

- If you select this mode, the application will tell your filtration pump to work as follows:
- - When the water temperature is below 2°C, it will operate in frost mode, 10 minutes every hour,
- - When the water is between 2°C and 15°C, it will work according to the following formula: $((\text{Volume of your pond} / \text{water flow of your filter "in m}^3 / \text{h}") \times 1.5) \times 60$,
- - When the water is between 15°C and 30°C, it will work according to the following formula: $\text{Water temperature} \times 20 \text{ min}$,
- - When the water is above 30°C, it will work according to the following formula: $(\text{Water temperature} / 2) \times 60$.

Planning the pool lights

With EZ2 you will be able to plan a working time range.

Extensions

These are dry contacts, which can manage up to 3 extensions by connecting them to "Ext". You will be able to select the type "Ext" from a preset that will give you access to some additional parameters, we offer:

- Heat pump

You can turn on or off your heat pump,

You can program the minimum acceptable temperature from which you want to swim. We recommend 2°C less than the one programmed on your heat pump. The application will then run your filtration pump as long as the specified minimum temperature is not reached, You can also program a range of operation.

- Garden lights

You can turn on or off the lights in your garden and program or not a period of operation.

- Swim against the current

You can turn on or off your swim against the current.

- Robot

You can turn on or off your robot, and program or not a period of operation.

- Fountain

You can turn on or off your fountain and program or not a period of operation.