VigiRedox

Vigipool Redox Analyzer

Tehnical sheet

Réf : PF10J140

Table des matières

1. Technical Specifications 3
2. Packaging Contents 4
3. Description 5
4. Compatible with the Vigipool 5
4.1. Bluetooth® and Wi-Fi Control 6
5. Wall-mounted installation 7
6. Start-up 7
6.1. Powering On 7
6.2. Choosing a Vigipool “Central“ Unit 8
6.3. iOs / Android Application 9
6.4. Bluetooth® Pairing (If the Vigiredox is the "Central Unit") 9
6.5. Adding New Vigipool Devices 10
7. ORP Measurement 10
7.1. Calibration of the RedOx probe 10
8. How It Works 11
8.1. Vigiredox Output 12
8.2. Vigiredox with a Vigipool Chlorinator (Zelia VP, Limpido VP, etc.) 13
8.3. Vigiredox with a CCEI Chlorinator (not Vigipool) 13
8.4. Vigiredox with a Non-CCEI Chlorinator 16
8.5. Multicolour indicator 20
9. Reset 21

Declaration of conformity .....

Avertissement

Read these instructions carefully before installing, commissioning and using this product.

1. Technical Specifications

Dimensions	240 x 180 x 55mm
Supply voltage	230V ~AC 50Hz
Weight	3.7kg (VigiRedox + accessories)
Protection Rating	IP-55
Bluetooth®	Low Energy (v4.x) Conforme R&TTE Directive 1999/5/EC
Wifi	802.11 b/g/n et "dual band" (2.4 Ghz seulement) **Not compatible with 5 GHz Wi-Fi networks**
Compatible devices	All salt chlorinator
Cables	3x0,5mm² length 3,5m provided.

2. Packaging Contents

TheVigiRedox
One wall mount + 3 screws and anchors
2 50 - 1/2" Clamps
650 mV Calibration Solution
An ORP OR probe
A Temperature Sensor
Probe Holder 1/2
2 control cables for NO contacts
A roll of Teflon
A digital instruction sheet (QR code providing access to this document)
Flow Sensor Kit without Connector (optional): KT200020

3. Description

The VigiRedox is an ORP measurement device that can function as a standalone meter or as a redox controller. If the control function is enabled, a setpoint must be set, and the internal relay closes when the measured value is below the setpoint. Both the measured value and the setpoint are expressed in mV. The VigiRedox relay opens as soon as the ORP measurement exceeds the setpoint. VigiRedox shares its measurement result (ORP) with other VigiPool devices, which can use it to control their operation. Translated with DeepL.com (free version)

4. Compatible with the Vigipool

VigiRedox is compatible with many devices in the Vigipool ecosystem. The Vigipool ecosystem comprises numerous interconnected water maintenance and treatment devices that can be controlled via a single app: Vigipool.

The devices exchange various measured data and control commands with one another wirelessly via a proprietary connection between the devices. Various devices are available (electrical filtration cabinet, LED control, pH control, connected pH/ORP analyzer, remote touchscreen display, etc.).

4.1. Bluetooth® and Wi-Fi Control

The VigiRedox features a Bluetooth® and Wi-Fi transmitter, allowing you to control your device using a smartphone or tablet. To control the VigiRedox, you need an iOS (Apple®) or Android smartphone or tablet equipped with Bluetooth® Low Energy (v4.x) or Wi-Fi 802.11 b/n/g. Other operating systems (Windows Phone®, etc.) or devices that do not meet these requirements are not supported.

If you are using a Wi-Fi connection, you will need to enter the local Wi-Fi network details (SSID and password) and create a Vigipool account in order to connect your VigiRedox to the Wi-Fi router and control your Vigipool device via the local Wi-Fi network and remotely. (See the attached "Vigipool Universe" brochure.)

Astuce

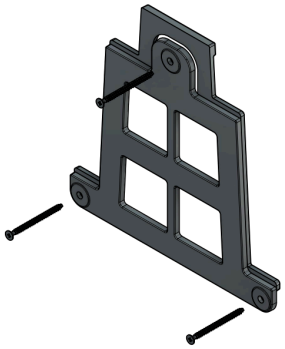
With Bluetooth, only one phone or tablet can be connected to the unit at a time. To connect another device, you must first disconnect the current one.

You can automatically update the device's embedded software. To do this, the device must be connected to Wi-Fi or to another Vigipool device that is itself connected to Wi-Fi. If you are using the device via Bluetooth only, you can create a hotspot on your phone to temporarily connect the device to it and update its software if necessary.

5. Wall-mounted installation

The Vigiredox

- It can be installed outdoors, but must be protected from rain, high-pressure cleaning jets, sprinklers, and UV rays (sunlight).
- is splash-proof but should not be placed in an area prone to flooding
- must be placed on a flat, stable surface and secured to the wall using the wall mount and the included anchors and screws:

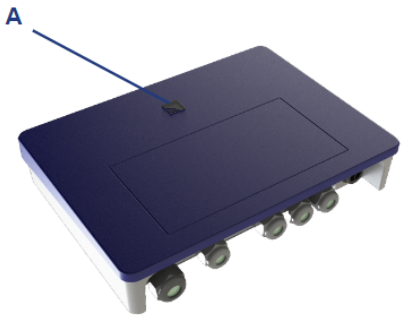


6. Start-up

6.1. Powering On

To turn on the VigiRedox, plug it into a permanent 220V AC outlet.

When the unit is turned on, the multicolored indicator light A on the front panel flashes while the unit is starting up.

	A: Multicolored indicator light and selection button

6.2. Choosing a Vigipool “Central” Unit

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Please refer to the attached “Univers Vigipool” brochure for further information.

At the end of the initialization phase (Blue–White–Red sequence), the multicolor indicator light A flashes white. This indicates the selection of the device that will serve as the Vigipool “control unit” (see the attached “Vigipool Universe” brochure):

- If the system includes only this unit, press the A selection button. The unit will then be configured as a Vigipool “control unit,” and you can add other units to the system at a later time if needed.

- If the facility has multiple Univers Vigipool-compatible devices

  – If a device is already configured as a Vigipool “Control Unit,” press the button on the Vigipool “Control Unit” if it has been powered on for more than one minute. (If it has been powered on for less than one minute, you do not need to press its button.) Your VigiRedox will then connect to the Vigipool “Control Unit”: It will stop flashing white and switch to normal operating mode.

  – And to ensure that no other device is already configured as a Vigipool “Control Unit,” turn on all the devices and press the button on the device you want to use as the Vigipool “Control Unit.” The other devices will then connect to the device you have designated as the Vigipool “Control Unit,” stop flashing white, and switch to normal operating mode.

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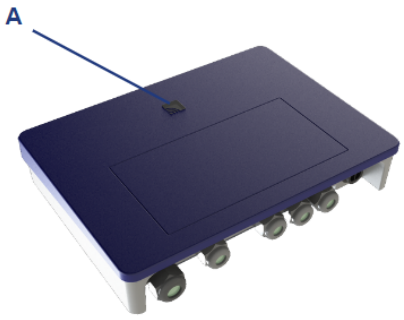
If you want to change the selection for the Vigipool “control unit,” you must reset the system (see “Reset”)

6.3. iOs / Android Application

To download the Vigipool app, click here or scan the QR code below. You can also search for Vigipool in the App Store or Play Store search bar:

6.4. Bluetooth® Pairing (If the Vigiredox is the "Central Unit")

When connecting for the first time (via Bluetooth), after selecting your device from the list, to pair your smartphone with the VigiRedox, you must bring the smartphone close enough to touch the device, or press button A) on the device once when the app prompts you to do so and indicator light A is flashing blue rapidly.

	A: Multicolored indicator light and selection button

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Pairing is done exclusively through the Vigipool app. Do not attempt to pair the device through your smartphone's Bluetooth settings.

6.5. Adding New Vigipool Devices

If the VigiRedox is configured in Vigipool "Control Center" mode and you want to add other Vigipool-compatible equipment to your system, the VigiRedox must be able to accept new devices. There are two ways to do this:

- During the first 5 minutes after power-up, the VigiRedox configured as a Center deviceaccepts new devices,
- Press the A button on the Vigiredox

Astuce

When the VigiRedox is ready to accept new devices, the multicolor indicator light A flashes green

7. ORP Measurement

VigiRedox measures the RedOx level every minute during normal operation.

Important

The VigiRedox does not take any measurements:

- during the first 2 minutes after power-up (to allow the measurement to stabilize),

7.1. Calibration of the RedOx probe

The probe is calibrated using the application

7.1.1. Calibration via the Vigipool app

1. Turn off the filtration
2. Place the probe in the calibration solution
3. From the Vigipool app home screen, tap "ORP Measurement" to go to the "ORP Measurement" screen.
4. Next, click the settings icon in the upper-right corner, then click the "Start" button in the Calibration tab under Options.

5. Enter the value for your calibration solution (default: 650 mV), then start the calibration

6. The measured value is displayed, and then the probe is calibrated

Note

If you know your pool's ORP level, you can use the manual adjustment (Note, however, that the ORP level may vary slightly between your pool and the location of the VigiRedox)

8. How It Works

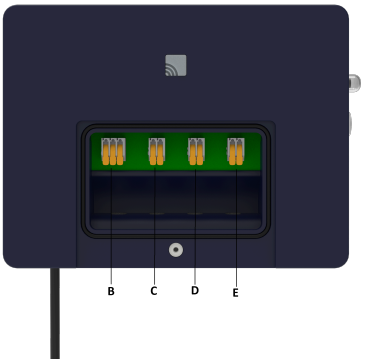
Important

Before connecting the Vigiredox to the power supply, it is essential to verify that the power supply is protected by a 30-mA ground-fault circuit interrupter (GFCI). The power supply must be continuous and effectively protected against power surges and potential overloads.

Avertissement

Improper wiring can damage the appliance and pose a safety hazard to users. It is essential to hire a qualified installer.

8.1. Vigiredox Output



Output B	**230V output :** Control of the 230V power supply for a chlorinator.
Output C	**Control contact output** Connecting a control cable to a dry contact on a chlorinator
Input D	**Input Probe :** Connecting the Temperature Sensor
Input E	**Input NO C (+ S)** Filtration Control Contact Input • **+ S :** Connecting a control cable to a dry contact on the filter contactor

8.2. Vigiredox with a Vigipool Chlorinator (Zelia VP, Limpido VP, etc.)

Important

You must set the VP chlorinator to "Regulated" mode.

"Regulated" mode ensures that chlorine is produced only when needed: the chlorinator's operation is then based on an ORP setpoint.

The VP Chlorinator will therefore produce chlorine only if the ORP reading is lower than the programmed setpoint.

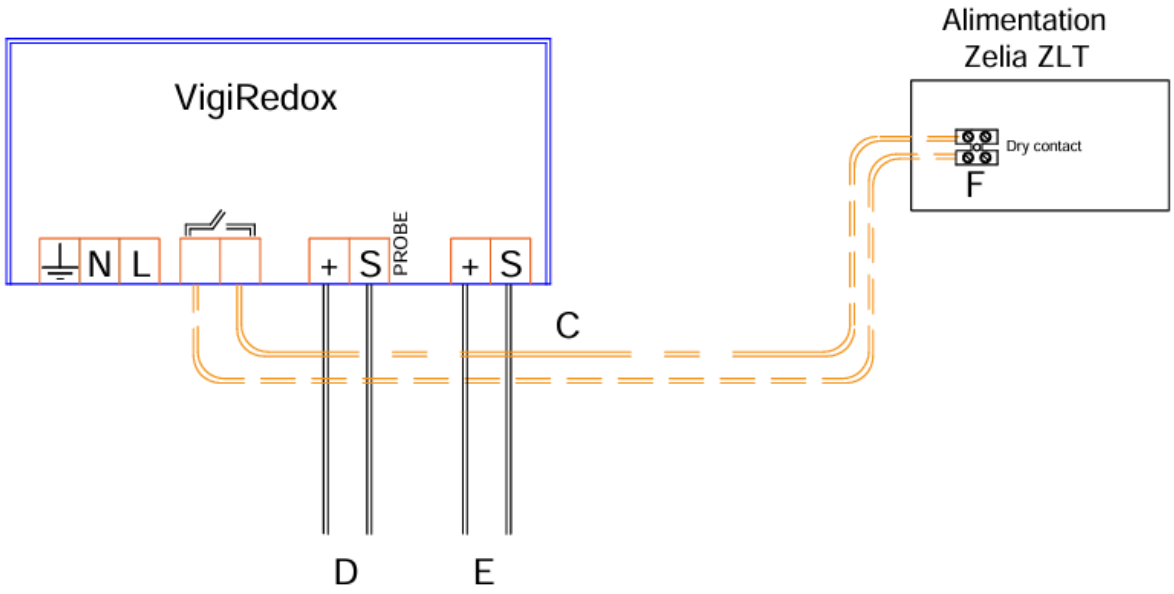
You can change this setpoint which is factory-set to 650 mV from within the app (Setpoint).

The filtration time must be long enough for the VP Chlorinator to produce enough and reach the desired setpoint.

8.3. Vigiredox with a CCEI Chlorinator (not Vigipool)

8.3.1. Zelia product range

Use the Vigiredox control cable to connect to the dry contact located in the Zelia power supply box. The output of the control cable connects to terminal block C, which leads to the dry contact located in the cell's power supply.



Output C	**Control contact output** Connecting a control cable to a dry contact on a chlorinator
Input D	**Input Probe** : Connecting the Temperature Sensor
Input E	**Input NO C (+ S)** Filtration Control Contact Input • **+ S** :Connecting a control cable to a dry contact on the filter contactor
Terminal F	Dry Contact for the Zelia ZLT Power Supply (Dry Contact)

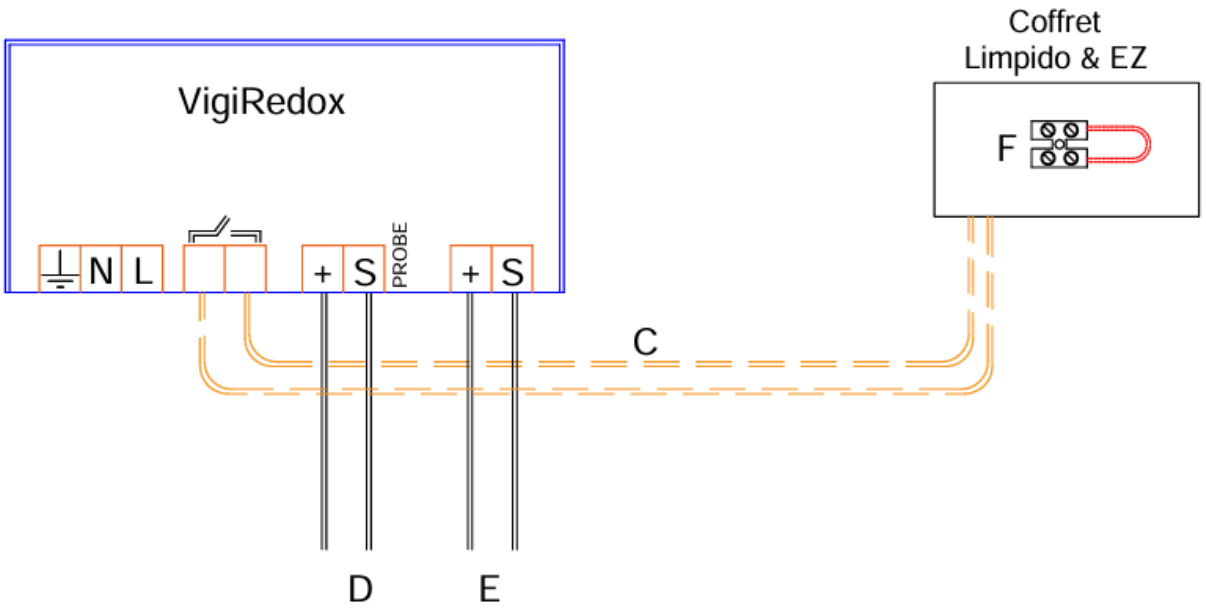
Important

The ZELIA ZLT must be used in **PA mode (Production Asservie)** to work with the Vigiredox

The selection switch (EXT-100%-25%) located on the power supply unit must be set to **EXT**

8.3.2. Limpido Series (Flow Sensor Control)

If you install Vigiredox with our Limpido series chlorinators



Output B	**Output 230V :** Control of the 230V power supply for a chlorinator.
Output C	**Control contact output** Connecting a control cable to a dry contact on a chlorinator
Input D	**Input Probe :** Connecting the Temperature Sensor
Input E	**Input NO C (+ S)** Filtration Control Contact Input • **+ S :** Connecting a control cable to a dry contact on the filter contactor
Terminal F	Connecting Cable C to replace the existing flow sensor on Limpido control boxes

Important

The Limpido must be used in "Normal" mode (temperature control indicator off) to work with the Vigiredox

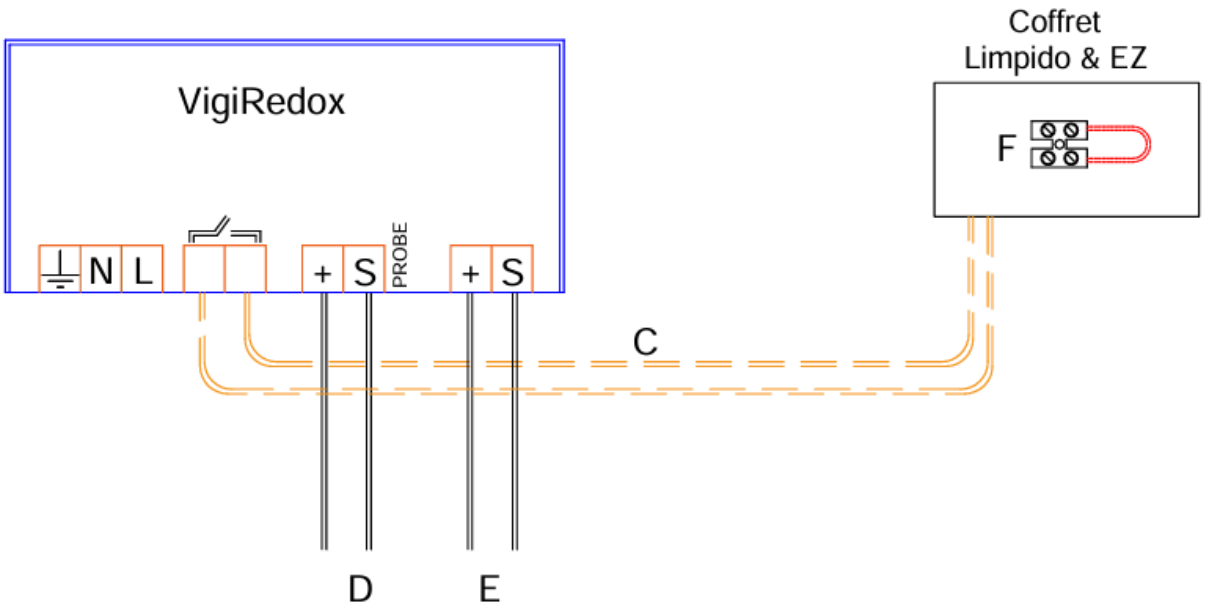
The Vigiredox is connected in series between the flow sensor (supplied with the LIMPIDO) and the LIMPIDO. Connect the LIMPIDO's flow sensor to the Vigiredox's E input ("Filtration Control Contact").

Connect the control cable supplied with the Vigiredox between the Vigiredox's dry contact output C and the LIMPIDO's "Flow Sensor" input.

8.4. Vigiredox with a Non-CCEI Chlorinator

8.4.1. Chlorinator with Flow Sensor

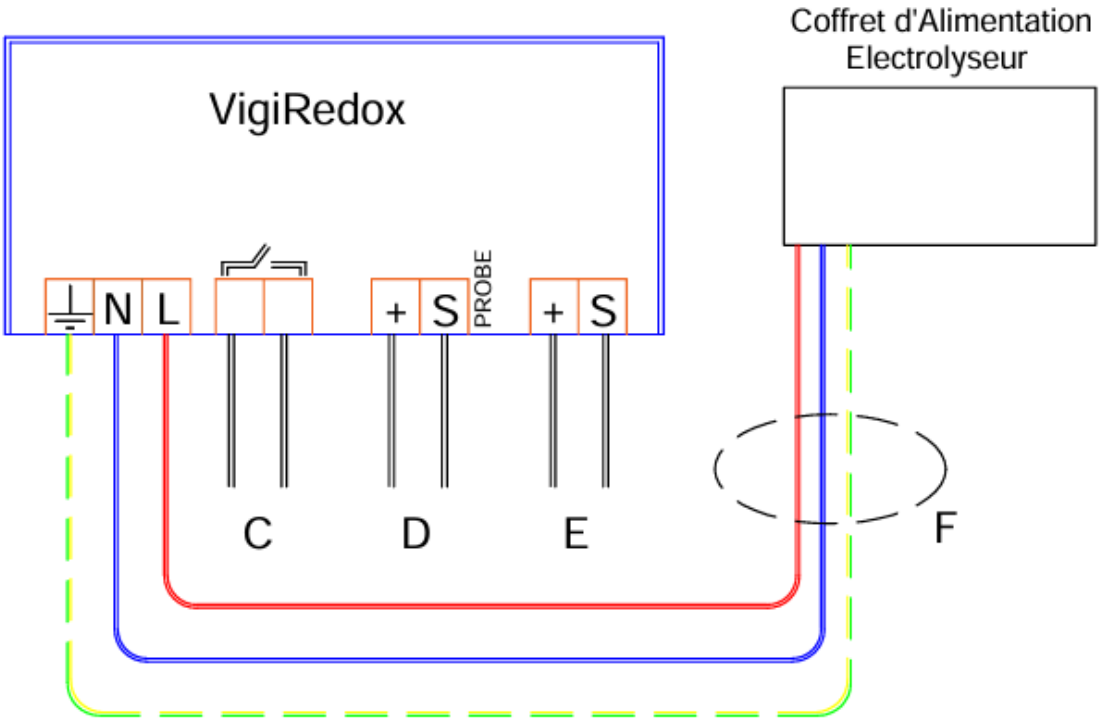
When a chlorinator is equipped with a flow sensor, the Vigiredox allows you to control chlorine production without shutting off the power to the chlorinator. This type of connection enables continuous RedOx monitoring and is particularly well-suited for the chlorinator line.



Output B	**Output 230V :** Control of the 230V power supply for a chlorinator.
Output C	**Control contact output** Connecting a control cable to a dry contact on a chlorinator
Input D	**Input Probe :** Connecting the Temperature Sensor
Input E	**Input NO C (+ S)** Filtration Control Contact Input • **+ S :** Connecting a control cable to a dry contact on the filter contactor
Terminal F	Connecting Cable C to replace the existing flow sensor on Limpido control boxes

8.4.2. Chlorinator without a flow sensor

When a chlorinator is not equipped with a flow sensor and its power is shut off when the filtration system is stopped, the Vigiredox limits chlorine production by cutting off the 230V power supply to the chlorine system as long as the measured RedOx value is sufficient. This type of connection allows you to control the chlorine production of most chlorinators available on the market.



Output C	**Control contact output**Connecting a control cable to a dry contact on a chlorinator
Input E	**Input NO C (+ S)+ S** : Connecting a control cable to a dry contact on the filter contactor • **+ S** :Connecting a control cable from a dry contact to a dry contact on the filtration contactor
Input D	**Input Probe** : Connecting the Temperature Sensor
Terminal F	Connecting the 230V power cable from the chlorinator to the Vigiredox

8.5. Multicolour indicator

Depending on its status, the multi-coloured indicator (A) can have different meanings:

Blue - White - Red sequence	Device start-up sequence: This sequence is run at power-up.
Flashing white	Awaiting selection of the Vigipool "central unit" appliance. See section 6.2.
Steady blue	A smartphone is connected to the VigiRedox using Bluetooth.
Flashing blue (slow)	The VigiRedox is configured in Vigipool "Central unit" mode and the WiFi is not configured: Awaiting a Bluetooth connection.
Flashing blue (fast)	Bluetooth pairing in progress. See section 4.1. 1.
Steady green	The VigiRedox is connected to WiFi or to its Vigipool "Central unit".
Flashing green	The VigiRedox is configured in Vigipool "Central unit" mode and accepts the connection of new Vigipool equipment. This state is normal during the first 5 minutes of power supply or 5 minutes after pressing button (A).
Flashing purple	Firmware update in progress.
Red/ Green flashing alternately	If the VigiRedox is configured as a Vigipool "Central unit": Cannot connect to WiFi. Check the entered information and/ or the WiFi network coverage. Otherwise: Connection to the Vigipool "Central unit" impossible.

9. Reset

It may be necessary to perform a reset to restore the Antea OX to its factory settings

To do this:

1. Turn off the device and wait about ten seconds,
2. Press and hold the A selection button
3. Turn on the device while holding down the button,
4. Wait until the multicolored light A flashes rapidly in red
5. Release the button. All settings will be reset to their factory defaults.

Avertissement

Performing a factory reset will erase all settings stored in memory (Wi-Fi configuration, pairings with phones and other devices in the Vigipool ecosystem, etc.). You will therefore need to repeat the setup procedure after performing a factory reset.

CCEI declares that the product VigiRedox meets the safety and electromagnetic compatibility requirements of European Directives 2014/35/EU and 2014/30/EU EU and the Radio Equipment Directive 2014/53/EU.
CE UKCA Emmanuel Baret Marseille, on 16/10/2026
Distributor's stamp
Date of sale: . . . . . Batch N°: . . . . . .