

## **Notice de Mise En Service & d'utilisation** **Commissioning and using manual**

### **SPC - EVX, EVPL, EVG, EVI, EVA** **Genesis & Vintage**

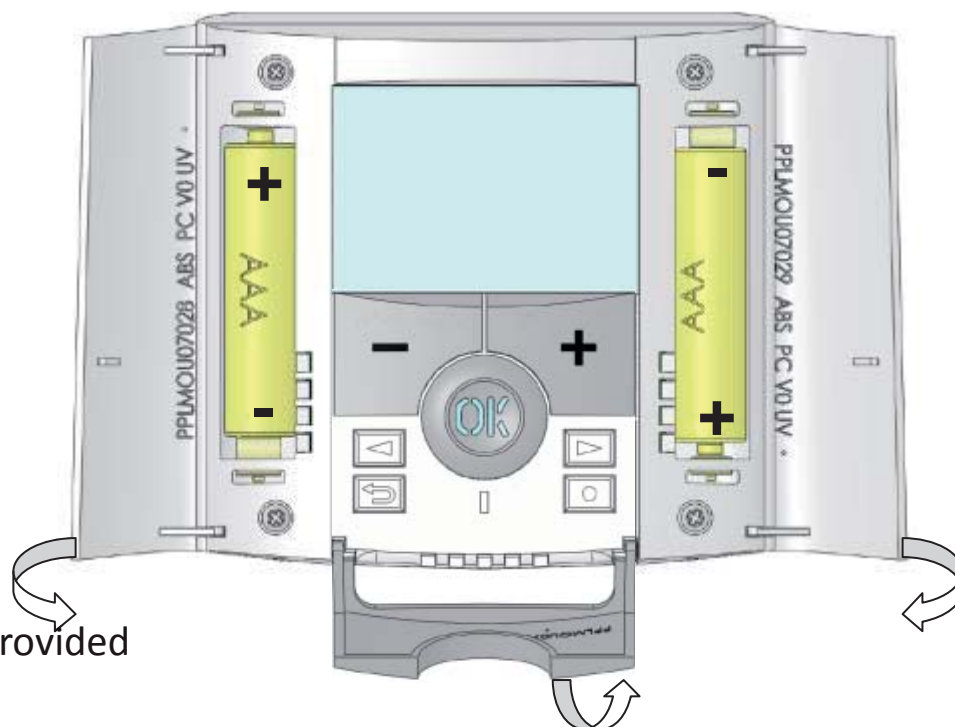




In winter, it's recommended to never turn off the air conditioner or unplug. FRIAX air conditioners are equipped with crankcase heater allowing them to avoid the blows of liquid on the non-operation of the compressor during the winter.

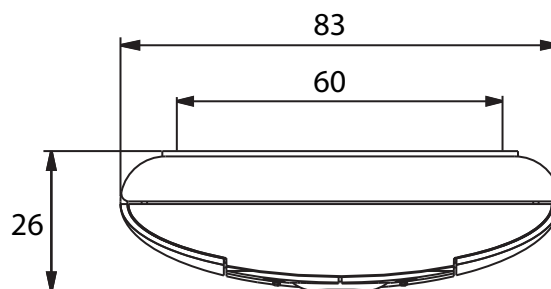
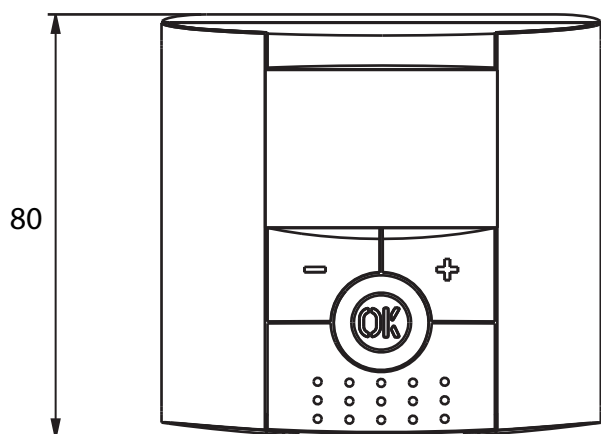
Unplugging or disconnecting the power turn off the crankcase heater.

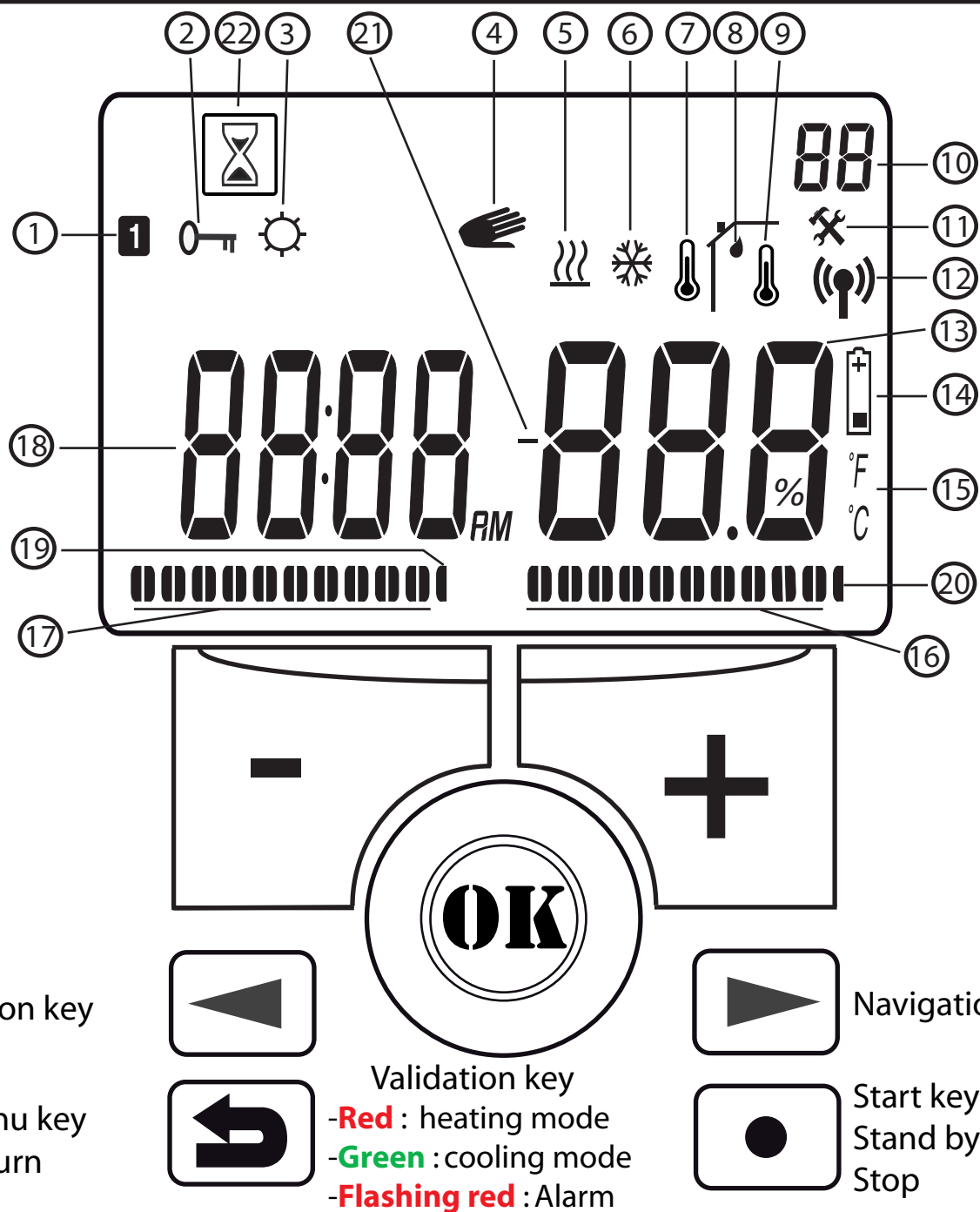
FRIAX industry can't be held responsible for improper handling of its products.



Power: 2 x 1.5V (AAA) provided

The remote control can be installed in another room as the cellar.  
Its maximum range is 100m in open field. This distance can be reduced from the thickness of the walls and the location of the cellar.





- ① Configuration type
- ② Key lock indicator
- ③ Crankcase heater indicator
- ④ Silent indicator (EC fan evaporator)
- ⑤ Heating indicator
- ⑥ Cooling indicator
- ⑦ Condenser temperature probe
- ⑧ Humidifier indicator (VINTAGE model)
- ⑨ Cellar temperature probe
- ⑩ Parameter number
- ⑪ Setup mode
- ⑫ Radio frequency signal
- ⑬ Temperature or humidity indicator (option)
- ⑭ Battery charge level indicator
- ⑮ °C / °F or humidity (%) unit indicator
- ⑯ Speed condensor fan
- ⑰ Speed evaporator fan
- ⑱ Time (12 AM/PM or 24 h)
- ⑲ existing if EC evaporator fan
- ⑳ existing if EC condenser fan
- ㉑ Minus for negatives values
- ㉒ Lighting control



## Be careful before this step

Make sure that all the electrical elements, wires, probes etc ... are well connected. Without this, the functions of the probes and motors would not be taken into account.

## Step 1a- Pair the controller with the remote control

	Manipulations	Views	Remarks
Pair the controller with the remote control	Turn on the power		-The 3 LEDs light up -The red LED is fixed after a few seconds
	Remove the black protection cap from the pairing button		
	Push on about 6s until the appearance of		
	Using the tool provided, gently press the button for 5 sec. then release		The green and orange LEDs light up
	Press on  to pair the card		The red LED becomes fixed. The display shows OFF and goes off. <b>Pairing is done</b>

**Status of the LEDs of the regulator**

- Green LED = Working
- Orange LED = Awaiting for synchronization or communication
- Red LED = Air conditioner stopped
- Red LED flashing = error

## Step 1b- Reset the system with the remote control

From version 4.0

Press simultaneously



+











10 Seconds



Press















## Step II - Starting










Functions	Manipulations	Displays	Remarks
Start the unit with the remote control	Press for 2 seconds 	 or  fixed or flashing	The unit starts. If the icons  and  are flashing the unit is in standby mode.
Shorten the waiting period **	hold 	 or  becomes fixed	The unit starts in heating or cooling mode. If the set is identical to the temperature of the cellar, the screen shows no operation.

\*\* It is best to let it go this time until the end

## Etape III- Setting: set temperature and set humidity

Functions	Manipulations	Displays	Remarks
Adjust the temperature setpoints and humidity (Vintage Version)	Press  For 2 seconds	 Flashing	Displays the current value of the setpoint temperature
	Change the value with  or 	 Flashing	Displays the value of the desired setpoint temperature
	confirm with 	 Flashing	Displays the current value of the set point humidity (* Only for version Vintage)
	Change the value with  or 	 Flashing	Displays the value of setpoint desired humidity (* Only for version Vintage)
	confirm with 		Returns to the display of measured values in the cellar

## Step IV - Set the cellar fans speed

Access to menu	Parameters	Screens	Manipulations	Remarks
<p>Even if the screen is blank Press</p>  <p>for 6 seconds</p> <p>Change the screens with</p>   <p>To exit the menu, press</p> 	<p>Setting the speed evaporator fan cellar</p>		<p>Login with</p>  <p>Change the value with</p>  <p>or</p>  <p>confirm with</p> 	<p>See below the value set according to the device</p>

## Nominal fan speed according to evaporators model

	30	48	82	122	170	230
<b>EVPL</b>	No access to dFSe parameter. Speed fixed					
<b>EVG, EVI</b>	3*	3*	7*	7*	7*	7*
<b>EVX</b>	5*	8*	-	-	-	-
<b>EVA</b>	3*	4*	2*	4*	-	-

\* For EVG and EVI, the factory set speeds are adapted to obtain the nominal flow rate for air pressure drops up to 20 Pa. If the pressure drop is higher (up to 100 Pa) you can increase the speed increasing this speed with the remote control. To optimize the flow, read the step "**optimize the fan speed**".

For EVXs, the speed is the nominal flow rate value of the standard wall unit. You can increase this speed with the remote control as needed. For the value to be adjusted in this case follow the indications in "**optimize the fan speed**" to obtain an optimal flow.

For **EVA model**, the fan speed has been chosen when the device blows freely up or down. The cabinet's configuration or the cellar where the device is installed can affect the air flow according to the pressure losses. In this case, it's necessary to increase the fan speed with the remote controller. To optimize the air flow, read the step «**optimization the fan speed**».

## Optimization of the fan Speed






























According to the cellar configuration, it will be more accurate to set the airflow (speed fan) with an anemometer. You will find the air flow value in the table «**technical data**» of the installation manual of your air conditioner.























You can also set the air flow when the cellar temperature is close to the set point, by measuring the evaporation temperature with your manifold. The air conditioners are designed to work at an evaporation temperature of **0°C** when the ambient temperature is **12°C**.




















- If the evaporation temperature is **to low, increase** the fan speed.
- If the evaporation temperature is **to high, decrease** the fan speed.

The variations are not instantaneous, wait the stabilization of the system between two modifications.



functions	Handling	Views	Remarks
Display the temperature or humidity of the cellar	Press 		The display alternately shows the value of the temperature and humidity (Only available on Vintage model)
Put the fan in the cellar in silent mode	Press for 2 seconds 		The fan switches to low speed for 10 minutes
Exit silent mode	Press 	 Disappearing	The fan returns to its normal speed
Lighting control	Press 5 Seconds 		Lighting on / off
Lock the keypad on the remote control	Press 	 Flashing	Manipulation buttons no longer possible to change the settings
	Then simultaneously on 	 Fixed	
Unlock the keypad on the remote control	Press 	 Flashing	Buttons are accessible to change the settings
	Then simultaneously on 	 Disappearing	
Pause the remote screen	Press for 2 seconds 		The screen turns off after a few seconds. The appliance continues to operate
Out of standby screen	Press for 2 seconds 		The screen turns on and displays the current values
Stop the machine with the remote	Press for 6 seconds 		Red LED on unit. The air conditioner stopped but the compressor protection remains active RC (crankcase heater)
Start the unit with the remote control	Press for 2 seconds 	 or  fixed	The unit starts. If the lights  and  are flashing the unit is in standby mode.
defrost mode	Hold 		Starts a manual defrost in addition to the automatic defrost all 7 hours

Access to menu	Parameters	Screens	Manipulations	Remarks
<p>Even if the screen is blank Press</p>  <p>for 6 seconds</p> <p>Change the screens with</p>   <p>To exit the menu, press</p> 	<p>Setting the time display. 12 or 24 hours</p>		<p>Login with </p> <p>Change the value with  or </p> <p>confirm with </p>	<p>Switches from 12 h AM / PM display on 24</p>
	<p>Setting the time</p>		<p>Login with </p> <p>Change the value with  or </p> <p>confirm with </p> <p>Change the value with  or </p> <p>confirm with </p>	<p>Set hours</p> <p>Minute setting</p>
	<p>Setting the temperature unit</p>		<p>Login with </p> <p>Change the value with  or </p> <p>confirm with </p>	<p>Setting ° C / ° F</p>

Access to menu	Parameters	Screens	Manipulations	Remarks
<p>Even if the screen is blank Press</p>  <p>for 6 seconds</p> <p>Change the screens with</p>   <p>To exit the menu, press</p> 	Calibrating the temperature sensor		<p>Login with </p> <p>Change the value with  or </p> <p>confirm with </p>	This parameter is set to 0 at the factory. It may be modified only in the case where there would be a difference between the set temperature and the actual temperature of the cellar.
	Calibration of humidity probe		<p>Login with </p> <p>Change the value with  or </p> <p>confirm with </p>	This parameter is set to 0 at the factory. It may be modified only in the case where there would be a gap between the moisture? displayed and the actual humidity of the cellar. Only model Vintage-réelle cellar.
	Setting the fan status when the setpoint is reached		<p>Login with </p> <p>Change the value with  or </p> <p>confirm with </p>	Lets ventilation at low speed when the aircraft reaches its setpoint temperatures and humidity, to have a permanent air circulation from the cellar. It is recommended to leave this setting enabled when the evaporator is ducting (Editing OUT).

## Two Types of errors may appear on the wireless control

Alarm type 1 : Steady green LED and red LED flashes on the front panel.

A warning message appears on the wireless control and button flashes.



The air conditioner continues to operate.

Alarm type 2 : The red LED on the front panel flashes.

A warning message appears on the wireless control and button flashes when a button is pressed.




The air conditioner does not work anymore.  
Contact your hardware vendor

Once the problem is solved, press the Sync button on the unit or on





Alarm code	Error source	Description	Type of error
AS1c	Cellar T° sensor	Genesis temperature signal lost	type 2
A SL		Lower threshold wine cellar temperature	type 1
A SH		Upper threshold wine cellar temperature	type 1
A SO		Faulty wine cellar temperature	type 2
AS2c	T° sensor + HR% cellar (on Vintage model)	Vintage temperature signal lost	type 2
A SL		Lower threshold wine cellar temperature	type 1
A SH		Upper threshold wine cellar temperature	type 1
AHRH		Upper threshold wine cellar humidity	type 1
A SO		Faulty wine cellar temperature	type 2
AS3c	Condenser T° sensor	Outside unit temperature signal lost	type 1
AS3H		Upper threshold outside unit temperature	type 1
AS3O		Faulty outside unit temperature	type 2
AVEc	Evaporator fan	Faulty inside unit motor fan	type 2
AVCc	condenser fan	Faulty outside unit motor fan	type 2
A rF	wireless communication	Radio signal lost	type 1





Troubleshooting	Recommended action
Nothing happens at the starting	Check power supply and connections of the power terminals
The ventilation is working but not the compressor	Check if heating mode is not engaged Refer to step starting page 5
The installation works but doesn't cool enough	According to the number of bottles stored, the air conditioning could needs several days to reach the set temperature. Air conditioner Friax is designed to works in an environment without ventilation. check the insulation of door frames, check there is no natural air inlet there.
The humidification works non-stop	it's possible that the characteristic of the room (insulation, wall composition) not permits to reach high percentage of humidity (>70%)
Some water pours of the evaporator somewhere else that by the full excess.	The evaporator absolutely has to be level
The evaporator is clogged with ice	Do not unplug or turn off the air conditioner.  3 seconds Now initiate a forced defrost press  Check the charge at the liquid indicator in the outdoor condensing unit.


## How to reset to factory configuration of the remote



Remove one of the battery and reset it.  
First message displayed inform you of the remote control version

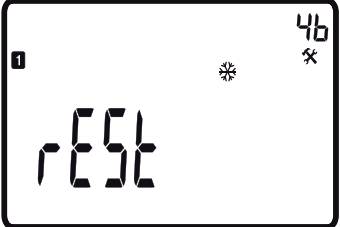
### Reset version 2.1 & 3.2


Press  until 

Enter the code 2013 with    ou 

Press 

Scroll parameter  

until 

Press  Until control board restart







### Reset version 4.0

Press simultaneously

 +  10 Secondes  press 

## Restart after reset

Reset put back parameters to their factory value  
Set the fan speed, the cellar temperature and humidity settings

Restart unit with remote control	Press  for 2 seconds	Unit starts If the symbol  and  bloung, the unit is in standby mode	Release   or  Becomes steady
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Maintenance of your air conditioner

Maintenance operations following repeated every 6 months will help your air conditioner to maintain optimal performance to ensure its longevity and your wines.

### **CAUTION**

Before any maintenance, always turn off power to the main circuit-breaker

#### *Maintenance of the condensing unit*

Remove the body using a screwdriver to access to the coil. Use a vacuum cleaner to remove dust. Be careful not to damage the Fins.

#### *Maintenance of the evaporator*

Disconnect the discharge pipe and open the body. Beware the water supply accumulated in the tray. Wash body with water. Take care of the electric connections.



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