CLS
COMMERCIAL LEISURE SUPPLIES

VICTORIA PLUS SILENT VS CONTROL PANEL MANUAL

ASTRALPOOL

VICTORIA PLUS SILENT VS

CONTROL PANEL

ASTRALPOOL

Setpoint
Modes:

On/Off (1)

Auto Mode (2)

Settings (3)

(6) Low Speed

(7) Medium Speed

(9) High Speed

(8) Turbo Speed

Exit (4)   (5) Enter

(10) Arrow buttons

⬆ Up Arrow

⬅ Left Arrow

⬇ Down Arrow

➔ Right Arrow

HOW TO USE THE CONTROL PANEL

The **Victoria Plus Silent VS** variable speed pump has a **control panel** for switching the pump on and off, and for adjusting and displaying the pump's settings and configuration.

CONTROL KEYS:

① **On/Off:** Press the button to switch the pump on or off. The pump will always start in the same mode and with the same configuration as when it was last switched off.

   When the off button is pressed, the message "**OFF**" will be displayed on the screen for 2 minutes.

② **Auto Mode:** Press the button so that the pump connects and disconnects in **AUTO Mode** at the setpoint **Times** and **Speeds**.

③ **Settings:** Press the button to enter the **Settings Menu**. The **Settings Menu** can be accessed both when the pump is on or off, provided it is plugged in.

④ **Exit:** In the **Settings Menu**, press the button to exit without saving your changes. Every press of the button will go back one step in the **Settings Menu**.

⑤ **Enter:** In the **Settings Menu**, press the button to enter the option selected or to accept/save changes made to the settings.

⑥ **Setpoint Mode. Low Speed:** Press the button so that the pump runs or starts up at **Low Speed** (by default, 1.400 rpm).

⑦ **Setpoint Mode. Medium speed:** Press the button so that the pump runs or starts up at **Medium Speed** (by default, 2.100 rpm).

⑧ **Setpoint Mode. High speed:** Press the button so that the pump runs or starts up at **High Speed** (by default, 2.750 rpm).

⑨ **Setpoint Mode. Turbo Speed:** Press the button so that the pump runs or starts up in **Manual Mode** at **Turbo Speed**. This mode is used for self-priming, fast cleaning, etc. (by default 2.850 rpm). The **Manual Mode** at **Turbo Speed** lasts a set time that once over will automatically go into **Manual Mode** at **High Speed**.

⑩ **Arrow buttons:** Browsing, selection and settings buttons.

Up arrow:	In the **Settings Menu**, this arrow increases the value of the setting selected or goes on to the next option. If you wish to increase the value selected without stopping, keep the button pressed down for more than 3 seconds and release it when the desired value has been reached. This arrow also starts the pump in **Manual Mode** when it is in **Standby Mode** or in **Auto Mode** and increases the running speed.
Down arrow:	In the **Settings Menu**, this arrow decreases the value of the setting selected or goes back to the previous option. If you wish to decrease the value selected without stopping, keep the button pressed down for more than 3 seconds and release it when the desired value has been reached. This arrow also starts the pump in **Manual Mode** when it is in **Standby Mode** or in **Auto Mode** and decreases the running speed.
Left arrow:	This arrow scrolls through the options on the left of the **Settings Menu** or goes forward through the options in the **Settings Menu**.
Right arrow:	This arrow scrolls through the options on the right of the **Settings Menu** or goes backward through the options in the **Settings Menu**.

1. PUMP START-UP

Ensure that the pump is plugged in. When plugged in for the first time, it goes into **STANDBY Mode** and the message "**OFF**" is displayed on the screen for 2 minutes.

Every time the pump is unplugged and then plugged back in, the pump will start in the same mode and with the same configuration as the last time before it was unplugged.

In **STANDBY Mode**, press button ① (**On/off**) to switch the pump on. The first time it is started up, **AUTO Mode** will be displayed on the screen. As there is no initial auto-configuration, the pump will not start until the **AUTO Mode** is configured or the **MANUAL Mode** used.

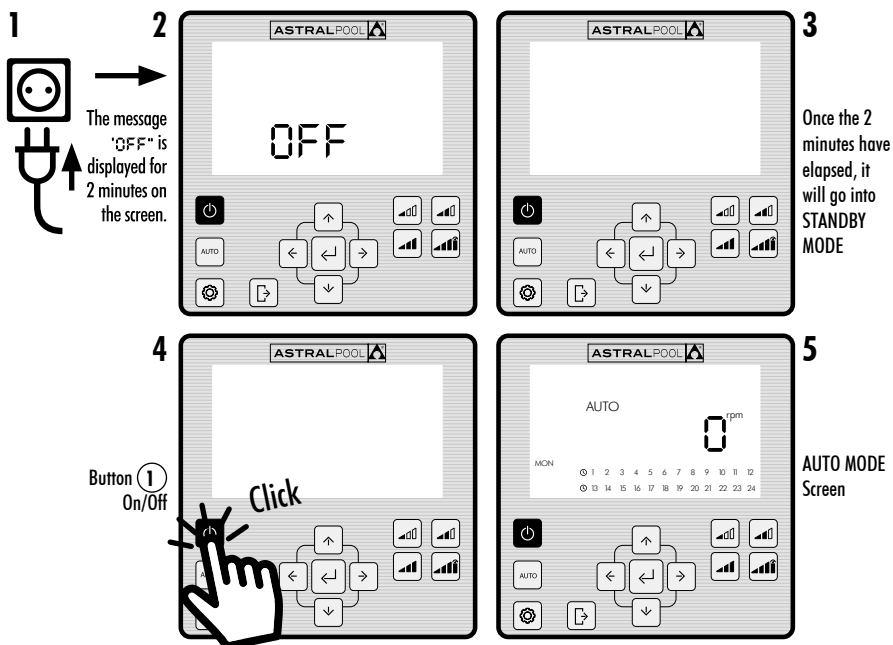When the pump is on in any mode, pressing button ① (**On/off**)will put the pump into **STANDBY Mode**. In **STANDBY Mode**, the pump will neither run nor will the auto-configuration in **AUTO Mode** be enabled.

If started up on successive occasions, the pump will switch on in the same mode (**MANUAL or AUTO**) and with the same configuration as the last time it was switch off, even if unplugged from the mains.

⚠ If there is a power cut or if the pump is unplugged while it is running, it will go back to the same operating mode once the power supply is back.

SEQUENCE OF THE FIRST START-UP

1

2 The message "OFF" is displayed for 2 minutes on the screen.

OFF

3 Once the 2 minutes have elapsed, it will go into STANDBY MODE

4 Button ① On/Off

Click

5 AUTO MODE Screen

AUTO

0 rpm

MON

1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24

2. PUMP OPERATING MODES

The pump can work in **MANUAL** Mode or **AUTO** Mode. To stop it from running in **MANUAL** or **AUTO** Mode put it back in **STANDBY** Mode, by pressing button ① (**On/Off**).

In **STANDBY** Mode, the pump will neither run nor will the auto-configuration in **AUTO** Mode be enabled.

Whenever the pump is started up (in **MANUAL** or **AUTO** Mode) from the **STANDBY** Mode, it will self-prime for 30 seconds at a speed of 2.850 rpm by default before starting up again. The default self-priming time and speed can be adjusted, and can be disabled from the **EXPERT** settings menu (see Section 2.3.9). While it is self-priming, the speed reading of the mode selected will flash on and off until the process has been completed.

START-UP IN MANUAL MODE. SELF-PRIMING:

Flashes while self-priming
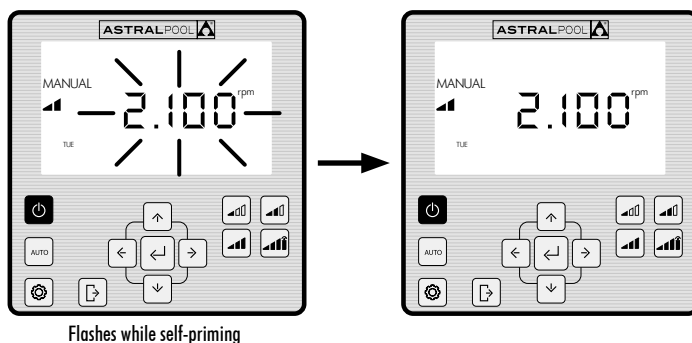
2.1 MANUAL MODE

In **MANUAL** Mode, the pump can be manually switch on or off and the operating speed adjusted to the desired setting.

To stop the pump from running in **MANUAL** Mode, press button ① (**On/Off**) so that it goes back into **STANDBY** Mode.

In **MANUAL** Mode, a **Setpoint Speed** can be selected (see Section 2.1.1) or the speed can be set manually (see Section 2.1.2).

MANUAL MODE SCREEN:

Operating mode: MANUAL Mode on

Setpoint Speed icon (Only displayed if on)

Day of the week

Operating unit

Operating speed
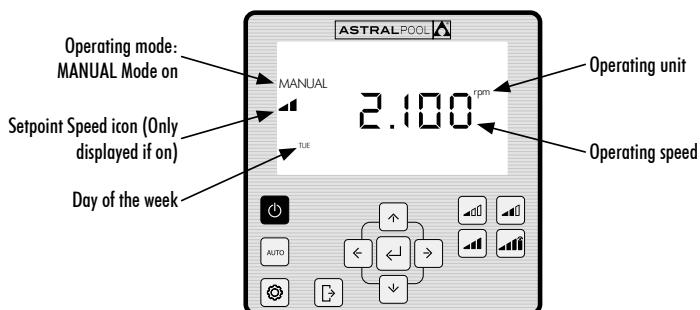
2.1.1 MANUAL MODE WITH SETPOINT SPEED

The pump has 4 **Setpoint Speeds** in MANUAL Mode: Low, Medium, High and Turbo.

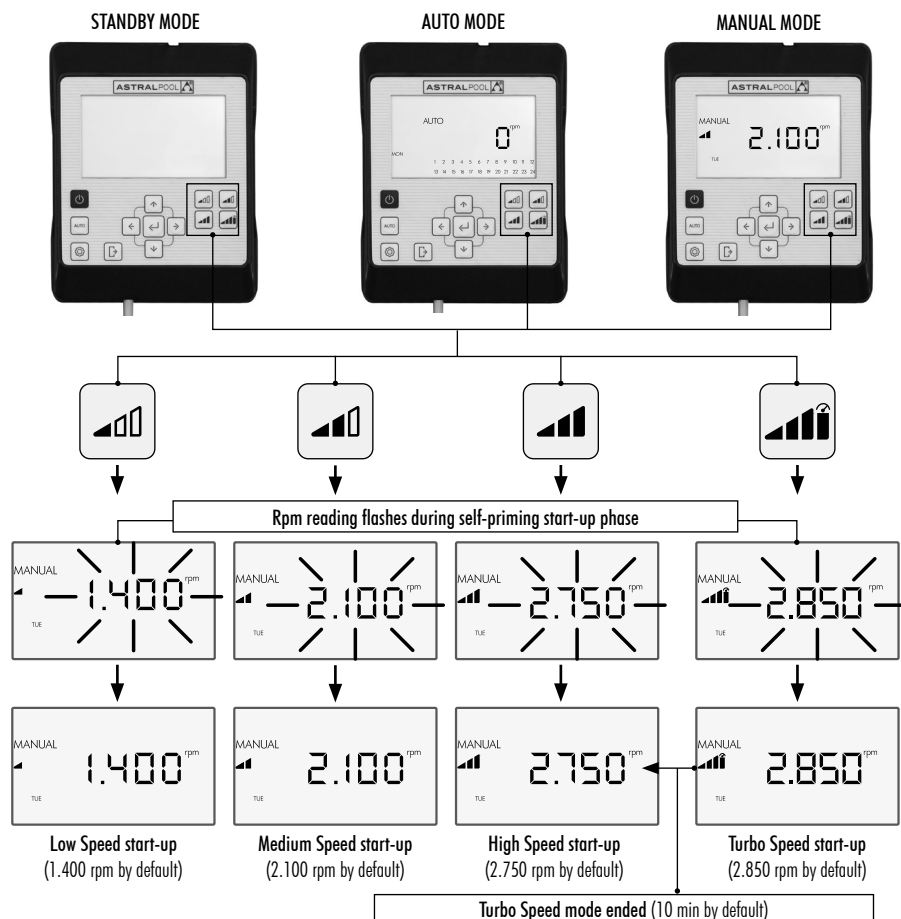**Turbo Speed** is normally used for fast cleaning and is pre-set by the manufacturer to last 10 minutes. Once this time is over, the pump will automatically run in **MANUAL** Mode at **High Speed.** The speed and duration of the **Turbo Speed** cannot be changed for safety reasons.

The **Low, Medium and High** setpoint operating speeds can be configured from the **SETPOINT** option on the **Settings Menu** (see Section 2.1.5) or from the **EXPERT MODE** option in the **Settings Menu** (see Section 2.1.9).

Use the following sequences for running the pump in **MANUAL Mode** with a **Setpoint Speed:**

STANDBY MODE   AUTO MODE   MANUAL MODE

Rpm reading flashes during self-priming start-up phase

Low Speed start-up (1.400 rpm by default)	Medium Speed start-up (2.100 rpm by default)	High Speed start-up (2.750 rpm by default)	Turbo Speed start-up (2.850 rpm by default)

Turbo Speed mode ended (10 min by default)

The **Setpoint Speed** can be changed by pressing the **Up Arrow** to increase it and the **Down Arrow** to decrease it. By pressing it for a short interval, it increases by 25 rpm and by pressing it for long intervals (>3s) it increases non-stop until the button is released.

When the **Setpoint Speed** is increased or decreased, the corresponding icon disappears and it goes into **MANUAL Mode**.

The speeds range from a minimum of 1.000 rpm to a maximum of 2.750 rpm. When the top or bottom rpm speed is reached in **MANUAL Mode**, the pump lets off a prolonged beeping sound.
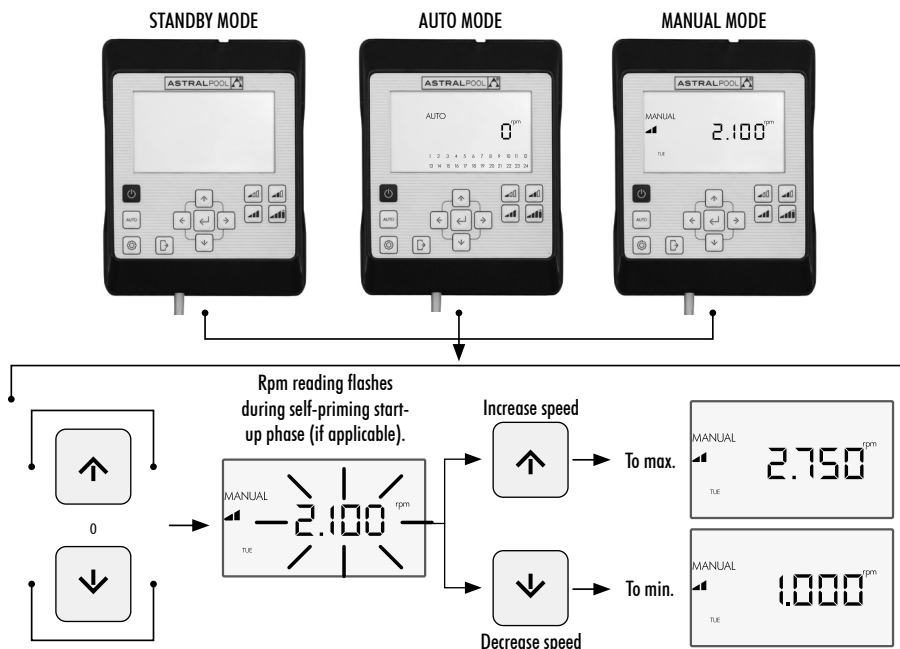
EXAMPLE OF THE VARIATION IN THE MEDIUM SETPOINT SPEED IN MANUAL MODE:
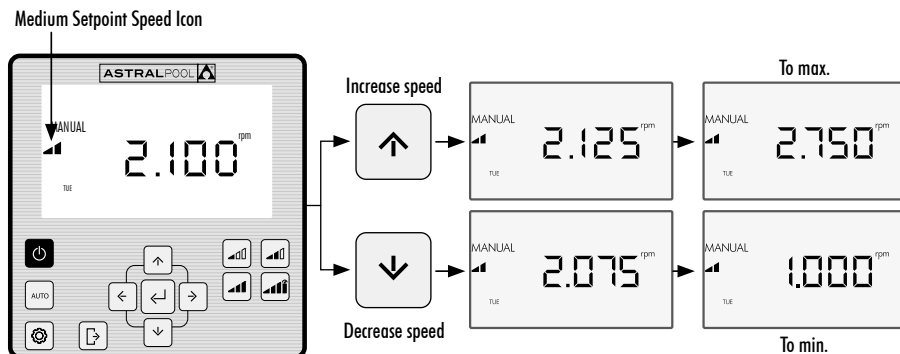
2.1.2 OPERATING MODE WITH MANUAL SPEED SETTING

The pump's operating speed is started up and adjusted by the user manually.

USE THE FOLLOWING SEQUENCE FOR SETTING THE SPEED IN MANUAL MODE.

2.2 AUTO MODE

In **AUTO Mode**, the pump automatically runs a weekly programmable timer set by the user for which the desired **Setpoint Speeds** must be configured.

! To run in **AUTO Mode**, it is essential to configure the **Day** and **Time** under the **CLOCK** and **DAY** options in the **Settings Menu** (see Sections 2.1.1 **CLOCK** and 2.1.2 **DAY**).

The timer will be programmed based on each pool (energy savings, total water volume, etc.) and the times it is normally used.

To run the pump in **AUTO Mode**, press button ② (**AUTO**). The screen will show the timer settings for the current day of the week.

To cancel the **AUTO Mode**, either press button ① (**On/Off)** to enable the **STANDBY Mode** or to put the pump into **Manual Mode**.

Whenever the pump is started up in **MANUAL Mode**, it will self-prime for 30 seconds at a speed of 2.850 rpm by default. **The default self-priming time and speed can be adjusted, and can also be disabled from the EXPERT Mode** in the Settings Menu (see Section 2.3.9). While it is self-priming, the speed reading will flash on and off until the process has been completed.

If the pump is running in **MANUAL Mode** and the **AUTO Mode** is enabled, it will work according to the automatic timer settings.

To display and configure the timer for the whole week, go to the **TIMER** option in the **Settings Menu** (Section 2.3.8).

If you wish to configure the **Setpoint Speeds**, go to the **SETPOINT** option in the Settings Menu (Section 2.3.5).

ENABLING AUTO MODE:

STANDBY MODE

Operating mode:
AUTO Mode on

Auto ②

Setpoint Operating Modes

Time slots (24 h)

Current day of the week
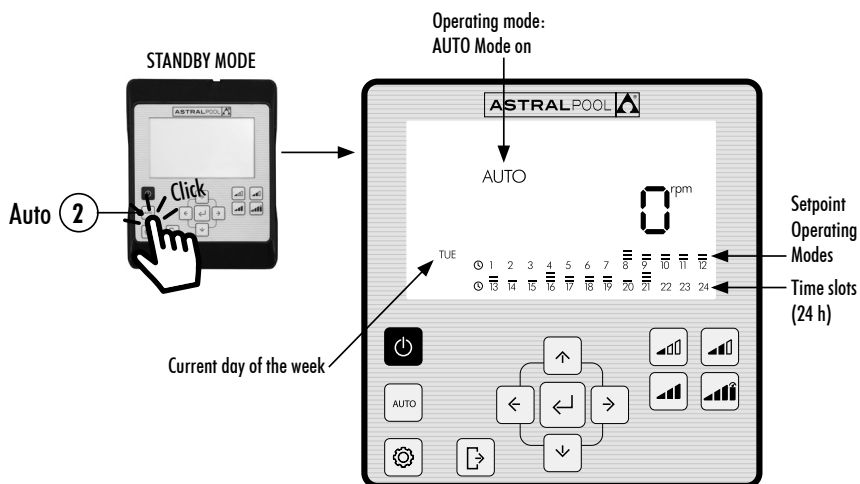
2.3 SETTINGS MENU

Press button ③ to access the **Settings Menu.** You can access the **Settings Menu** from any Operating Mode **(STANDBY Mode**, **MANUAL Mode** or **AUTO Mode)**, both when the pump is on and off.
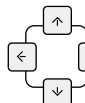
To browse through the **Settings Menu** options, use the **Left and Right** Arrow Buttons (⑩). The option on the **Settings Menu** selected will flash. Press button ⑤ (**Enter**) to configure the option selected in the **Settings Menu**. Once in the option under the **Settings Menu**, only the option selected will be displayed on the options bar.

ON ACCESSING THE CONFIGURATION OF THE OPTION SELECTED IN THE SETTINGS MENU:

Press the **Left and Right Arrow Buttons** (⑩) to browse through the settings and the **Up and Down Arrow Buttons** (⑩) to modify them.

Press button ⑤ (**Enter**) to accept/save the changes made and go on to the next setting or end the set-up by going back to the **Settings Menu**.

Under the configuration of the setting selected, press button ④ (**Exit**) to go back to the **Settings Menu** without saving the changes made. Press button ④ (**Exit**) again if you wish to exit the **Settings Menu** in order to go back to the **Operating Modes**.

EXAMPLE OF AN OPTION SELECTED IN THE SETTINGS MENU:

STANDBY MODE   AUTO MODE   MANUAL MODE

Adjustments

③ Click

3 The option selected flashes

5 Option entered in the Settings Menu
(the rest of the options are not displayed)

1 Settings Menu

2 Settings Menu scroll bar

4 Enter the configuration of the setting

Press the number of times necessary to go back to the desired level
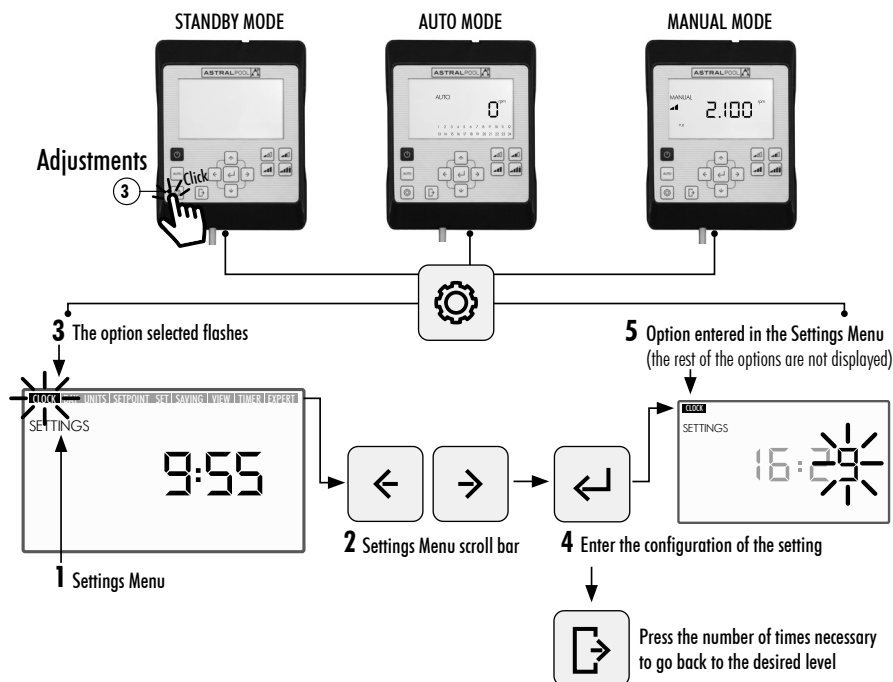
⚙ **SETTINGS MENU**

2.3.1 **CLOCK** — Time display and settings

2.3.2 **DAY** — Day of the week display and settings

2.3.3 **UNITS** — Pump mode settings display.

> **Rpm:** Pump rotational speed
>
> **%:** Pump operating load
>
> **W:** Power consumption
>
> **kWh:** Overall power consumption

2.3.4 **SETPOINT UNITS** — Speed Setpoint Unit display and configuration.

> **Rpm:** Pump rotational speed
>
> **%:** Pump operating load

2.3.5 **SETPOINT** — Setpoint display and configuration.

Configures the operating speed:

> **Low.** Low **rpm** or **%** operating capacity of the pump
>
> **Medium.** Medium **rpm** or **%** operating capacity of the pump
>
> **High.** High **rpm** or % operating capacity of the pump

2.3.6 **SAVINGS DISPLAY** — Configures the unit displayed in power savings

> **€/WEEK:** Weekly power savings in euros
>
> **€/YEAR:** Annual power savings in euros
>
> **$/WEEK:** Weekly power savings in dollars
>
> **$/YEAR:** Annual power savings in dollars

2.3.7 **SAVINGS SETTING** — Configures the settings for calculating power savings.

> **h/DAY SINGLE SPEED:** The pump's daily operating time in hours
>
> **€**/kWh—**$/kWh:** Cost of a kWh in euros or dollars

2.3.8 **TIMER** — AUTO Mode display and configuration.

2.3.9 **EXPERT MODE** — Advanced configuration.

2.3.1 CLOCK. SETTING THE TIME

1. Select the **CLOCK** option in the **Settings Menu** to display the time.

2. Enter the **CLOCK** option in the **Settings Menu** to set the time. The digit selected will flash.

3. Us the **Left and Right** ⑩ **Arrow Buttons** to move from one digit to another.

4. Press the **Up and Down** ⑩ **Arrow Buttons** to increase or decrease the value of the digit selected.

5. Press button ⑤ **(Enter)** to confirm the time set. Once confirmed, it will go back to the options under the **Settings Menu**.

Set time displayed

Scroll digits

Increase or decrease value of digit

Go back without making changes

Confirm

Go back to the Settings Menu
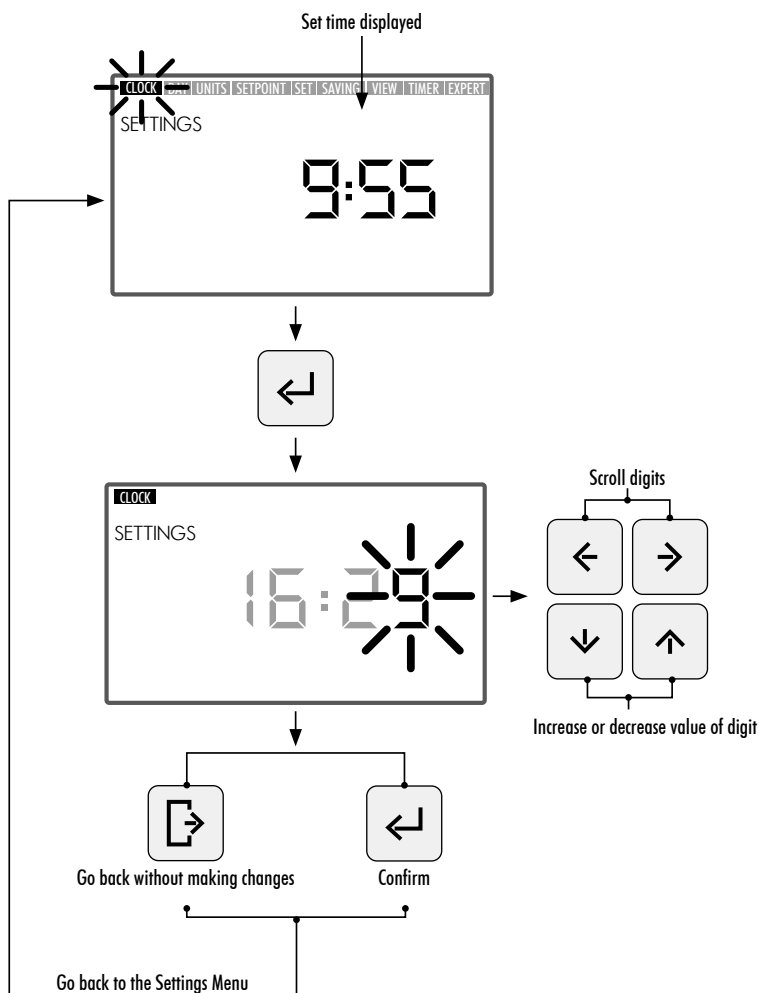
2.3.2 DAY. DAY OF THE WEEK

1. Select the **DAY** option in the **Settings Menu** to display the day of the week.

2. Enter the **DAY** option in the **Settings Menu** to set the day of the week.

3. Use the **Up and Down** Arrow Buttons (**10**) to change the day of the week.

4. Press button ⑤ (**Enter**) to confirm the day of the week selected. Once confirmed, it will go back to the options in the **Settings Menu**.

Displays day of the week configured

SETTINGS

THU

DAY
SETTINGS

MON

Changes day of the week selected

Go back without making changes

Confirm

Go back to the Settings Menu
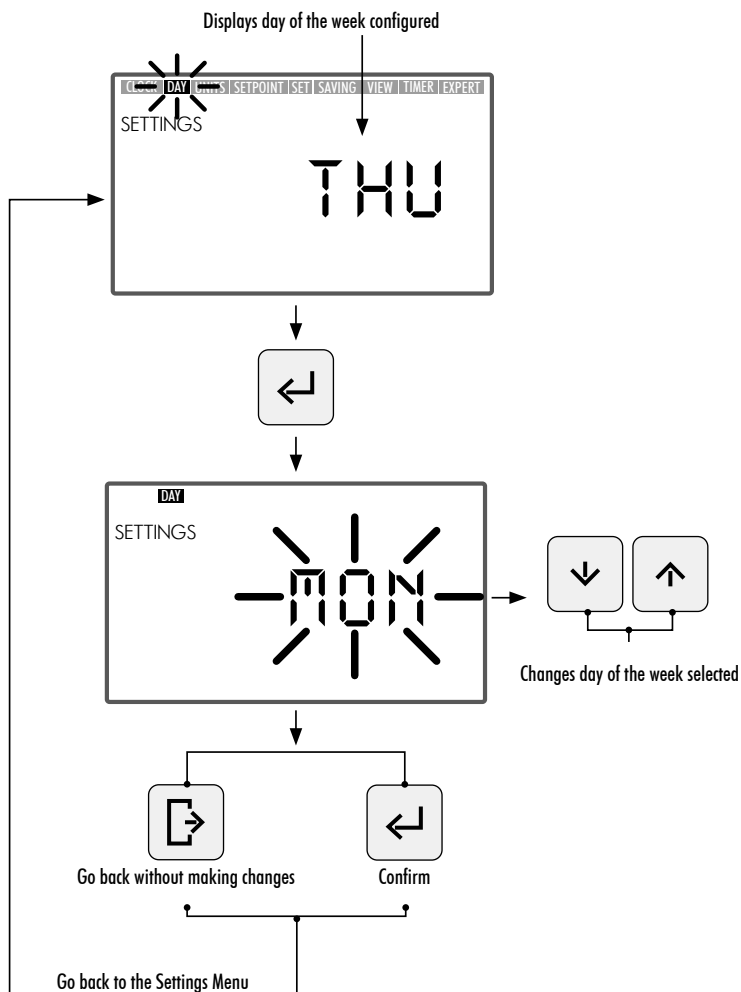
2.3.3 UNITS

1. Select the **UNITS** option in the **Settings Menu** to display the reading of the unit selected.

2. Enter **UNITS** in the **Settings Menu** to display the readings of the pump's operating settings. The setting selected will flash.

3. Use the **Up and Down Arrow Buttons** (⑩) to display the various settings:

   - **Rpm:** Displays the motor's rotational speed in revolutions per minute.
   - **%:** Displays the pump's operating capacity in % (35% = minimum load — 100% = maximum load).
   - **W:** Displays the motor's power consumption in watts.
   - **kWh:** Displays the pump's overall power consumption in kilowatt hours. To reset the consumption meter, keep button ⑤. (**Enter**) pressed down for more than 5 seconds.
   - **Hz:** Displays the electrical frequency fed to the motor in hertz.

4. Press button ⑤. (**Enter**) to select the reading to be displayed. Once confirmed, it will go back to the options under the **Settings Menu**.

Value of setting configured

Display setting configured

Changes display setting

Go back without making changes

Confirm

Go back to the Settings Menu
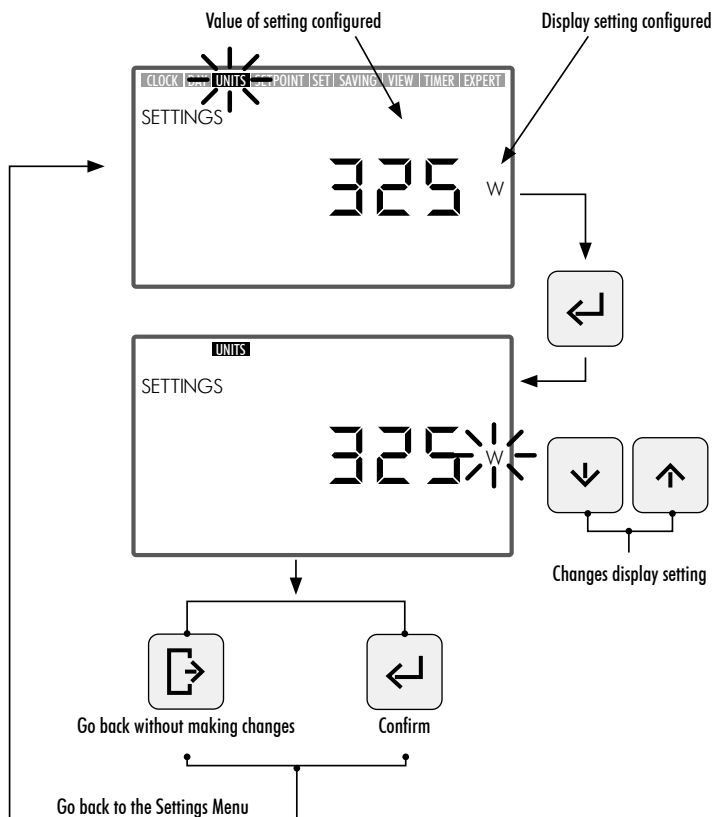
2.3.4 SETPOINT UNITS. CONFIGURATION OF SETPOINT UNITS

1. Select the **SETPOINT UNITS** option in the **Settings Menu** to display one of them.

2. Enter **SETPOINT UNITS** in the **Settings Menu** to modify the **Setpoint Unit**. The unit selected will flash.

3. Use the **Up and Down Arrow Buttons** (⑩) to modify the unit. Select from among the the following units:

   • **Rpm:** Displays the motor's rotational speed in revolutions per minute.

   • **%:** Displays the pump's operating capacity in % (100% = full load) depending on the motor's rotational speed: (a full load is equal to the top working speed at 2.750 rpm).

4. Press button ⑤ (**Enter**) to confirm the unit's value for **Setpoint Operations**. Once confirmed, it will go back to the options under the **Settings Menu**.

Value of setting configured

CLOCK | ·· | UNITS | SETPOINT | ·· | SAVING | VIEW | TIMER | EXPERT
SETTINGS

rpm

⏎

UNITS | SETPOINT
SETTINGS

rpm

↓ ↑

Changes setpoint unit

↪ ⏎

Go back without making changes   Confirm
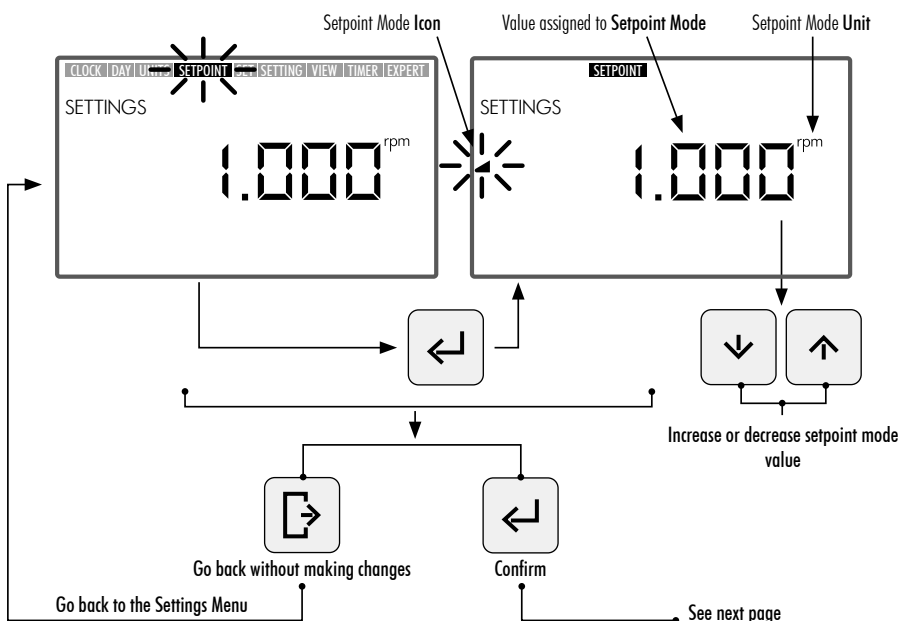
Go back to the Settings Menu
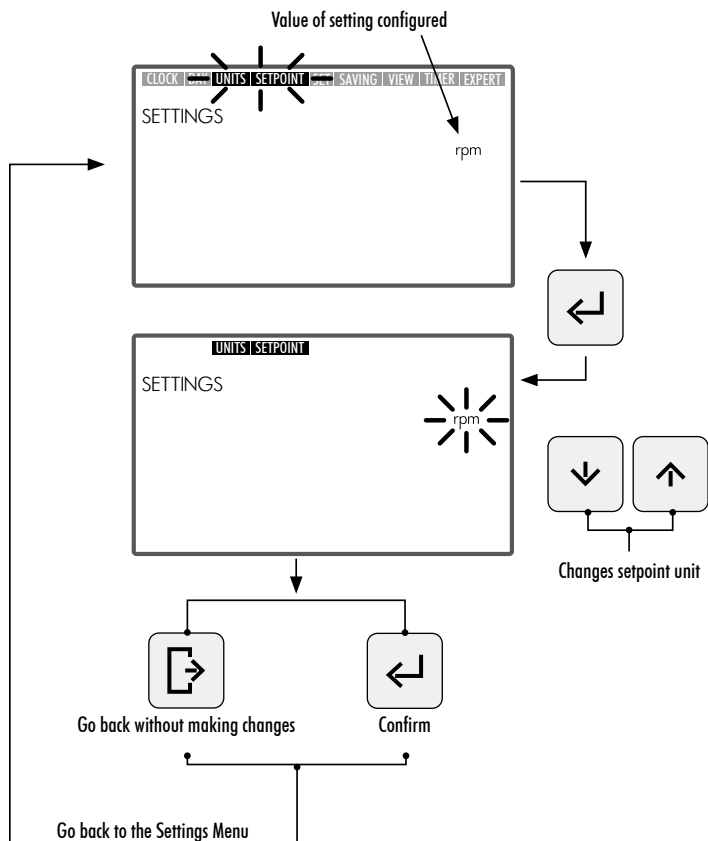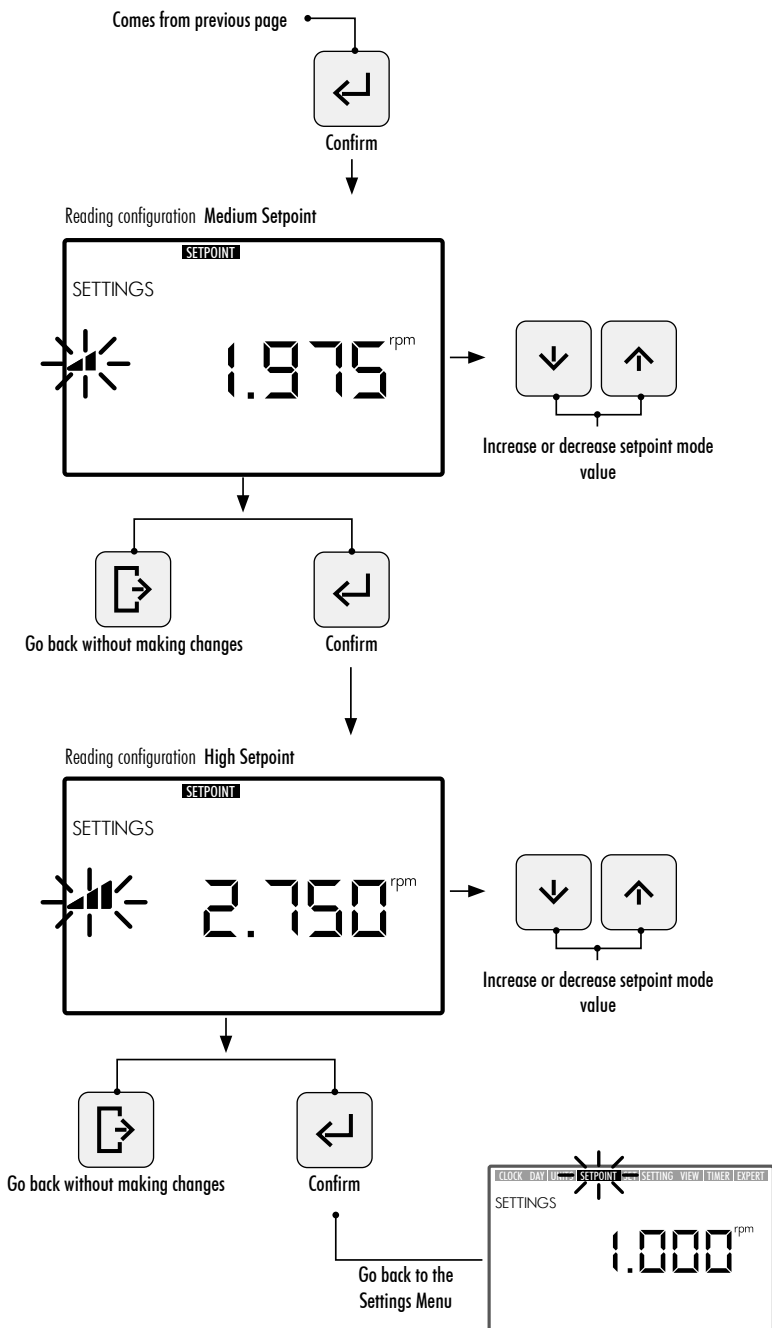
2.3.5 SETPOINTS. CONFIGURATION OF SETPOINTS

1. Enter the **SETPOINT** option in the **Settings Menu** to display/modify the values assigned to the **Setpoint Units**. The **Setpoint Unit** selected will flash.

2. Use the **Up and Down Arrow Buttons** (**10**) to increase or decrease the value assigned to the **Setpoint Unit**. There are 3 **Setpoint Unit** modes that can be configured:

   • **Low Setpoint:** Low rpm or % operating capacity of the pump (depending on the unit configured. See Section 2.3.4, **SETPOINT UNITS**). Minimum value.

   • **Medium Setpoint:** Medium rpm or % operating capacity of the pump (depending on the unit configured. See Section 2.3.4, **SETPOINT UNITS**). Intermediate value.

   • **High Setpoint:** High rpm or % operating capacity of the pump (depending on the unit configured. See Section 2.3.4, **SETPOINT UNITS**). Maximum value.

   [!] The operating mode speed will be incremental starting from the **Low Setpoint** up to the **High Setpoint**, in other words, the **Medium Setpoint** value cannot be higher than the **High Setpoint** value or lower than the **Low Setpoint** value. The following condition must therefore always be fulfilled:

   High Setpoint Value ≥ Medium Setpoint Value ≥ Low Setpoint Value.

3. Press button (**5**) (**Enter**) to confirm the value assigned to the **Setpoint Unit**. Once confirmed, it will go on to the next **Setpoint Unit**. Once the last **Setpoint Unit** value has been entered, it will return to the option in the **Settings Menu**.

Setpoint Mode **Icon**

Value assigned to **Setpoint Mode**

Setpoint Mode **Unit**

CLOCK | DAY | U... | SETPOINT | ... | SETTING | VIEW | TIMER | EXPERT

SETTINGS

1.000 rpm

SETPOINT

SETTINGS

1.000 rpm

Increase or decrease setpoint mode value

Go back without making changes

Confirm

Go back to the Settings Menu

See next page

Comes from previous page

Confirm

Reading configuration **Medium Setpoint**

SETPOINT

SETTINGS

1.975 rpm

Increase or decrease setpoint mode value

Go back without making changes

Confirm

Reading configuration **High Setpoint**

SETPOINT

SETTINGS

2.750 rpm

Increase or decrease setpoint mode value

Go back without making changes

Confirm

CLOCK DAY U... SETPOINT ...SETTING VIEW TIMER EXPERT

SETTINGS

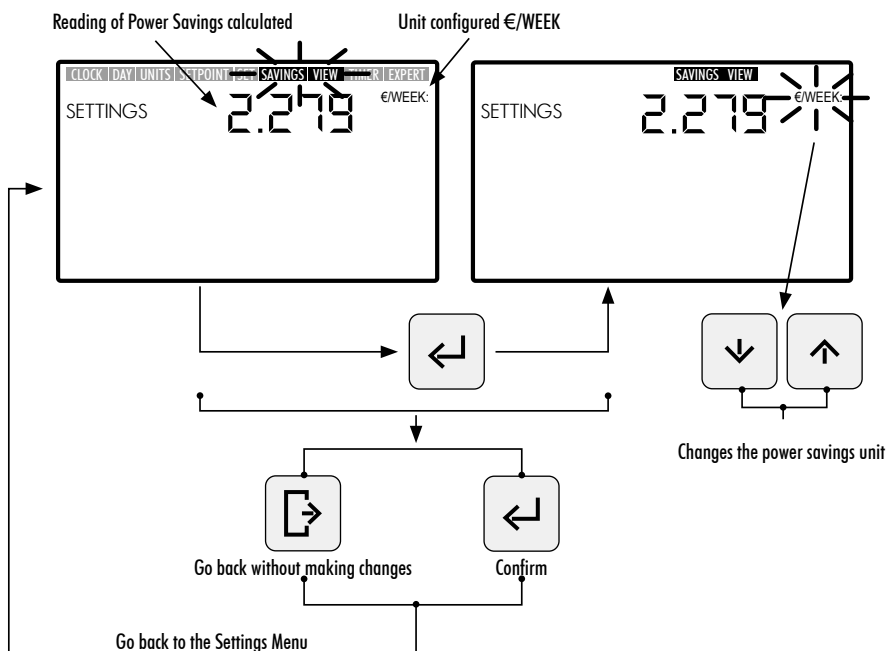1.000 rpm

Go back to the Settings Menu

2.3.6 SAVINGS DISPLAY. DISPLAY OF POWER SAVINGS

1. Select the **SAVINGS DISPLAY** option in the **Settings Menu** to display the power savings reading.

2. Enter **SAVINGS DISPLAY** in the **Settings Menu** to modify the power savings unit displayed. The unit configured will flash.

3. Use the **Up and Down Arrow Buttons** (**⑩**) to modify the unit displayed. Select from among the the following units:

   • **€/WEEK:** Weekly power savings in euros.

   • **€/YEAR:** Annual power savings in euros.

   • **$/WEEK:** Weekly power savings in dollars.

   • **$/YEAR:** Annual power savings in dollars.

   • Do not display Power Savings. The unit will not be displayed on the screen.

4. Press button **⑤** (**Enter**) to confirm the selection of the power savings unit to be displayed. Once confirmed, it will go back to the options under the **Settings Menu**.

> **!** In order to correctly display the power savings, first set the power savings under the **SAVINGS SETTINGS** option in the **Settings Menu** (see Section 2.3.7).

The reading of the Power Savings displayed under the **SAVINGS DISPLAY** option is calculated based on the setting entered under the option **SAVINGS SETTING** in the **Settings Menu** (see Section 2.3.7), and shows the savings made using a variable speed pump in comparison with a single speed pump.

Reading of Power Savings calculated   Unit configured €/WEEK

Changes the power savings unit

Go back without making changes   Confirm

Go back to the Settings Menu
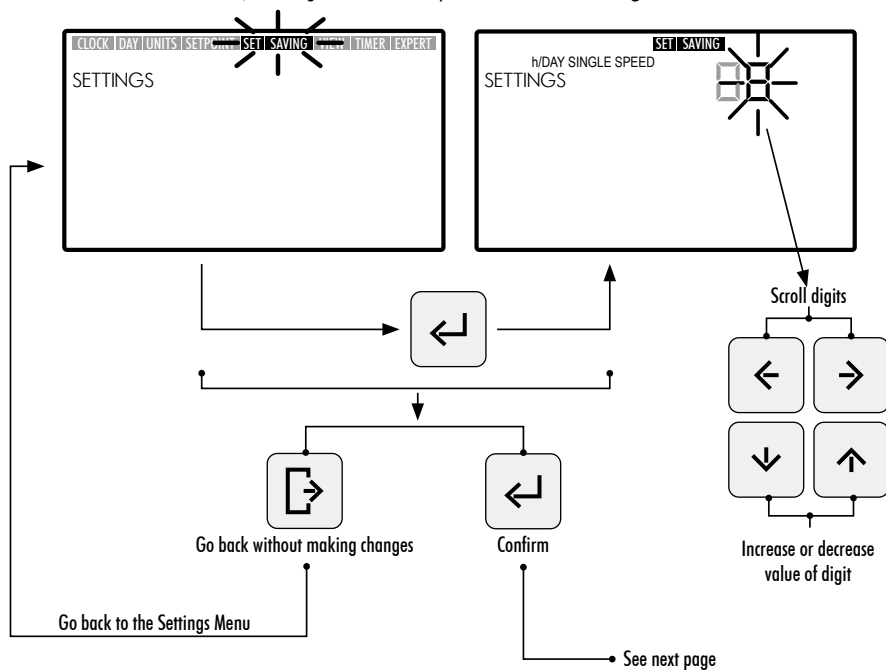
2.3.7 SAVINGS SETTING. SETTING POWER SAVINGS

1. Enter the **SAVINGS SETTING** option in the **Settings Menu** to adjust the settings for calculating power savings. The digit of the value of the first setting, h/DAY SINGLE SPEED, will flash.
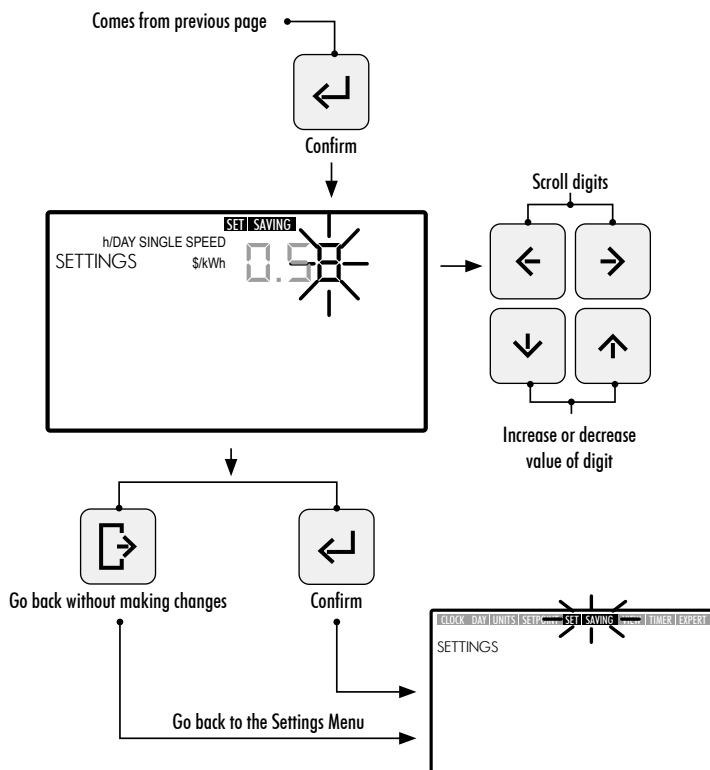
   The power savings reading displayed under the **SAVINGS DISPLAY** in the **Settings Menu** (see Section 2.3.6) is calculated based on the following settings:

   - **h/DAY SINGLE SPEED:** The pump's daily operating time in hours.
   - **€/kWh—$/kWh:** Cost of a kWh, in euros or dollars depending on the option selected under **SAVINGS DISPLAY** in the **Settings Menu** (see Section 2.1.6).

2. To configure the pump's daily operating time in hours **(h/DAY SINGLE SPEED)** from the **SAVINGS SETTING** option, press the **Left and Right Arrow Buttons** (⑩) to move from one digit to another — the digit selected will flash — and press the **Left and Right Arrow Buttons** (⑩) to increase or decrease the digit selected. Once the value of the setting has been set, press button ⑤ (**Enter**) to confirm.

   Once the first "h/DAY SINGLE SPEED" setting has been confirmed, it will go on to the second setting, i.e., **€/kWh—$/kWh**. Configure the cost of a kWh **(€/kWh—$/kWh)** by pressing the **Left and Right Arrow Buttons** (⑩) to move from one digit to another and the **Left and Right Arrow Buttons** (⑩) to increase or decrease the digit selected. Once the value of the setting has been set, press button ⑤ (**Enter**) to confirm. Once confirmed, it will go back to the options under the **Settings Menu**.

Scroll digits

Increase or decrease value of digit

Go back without making changes

Confirm

Go back to the Settings Menu

See next page

Comes from previous page

Confirm

Scroll digits

SET SAVING
h/DAY SINGLE SPEED
SETTINGS $/kWh   0.5

Increase or decrease
value of digit

Go back without making changes   Confirm

CLOCK DAY UNITS SETP SET SAVING TIMER EXPERT
SETTINGS

Go back to the Settings Menu

2.3.8 TIMER. SETTING AUTO MODE

1. Select the **TIMER** option in the **Settings Menu** to display the **AUTO Mode** times set for the current day of the week.

2. Enter the **TIMER** option in the **Settings Menu** to display or adjust the weekday times set for **AUTO Mode**. The day of the week selected will flash.

   If you wish to delete all weekly times set in **AUTO Mode**, keep buttons (5) (**Enter**) and (3) (**Settings**) pressed down at the same time for at least 3 seconds when you enter the **TIMER** option.

   To display the weekday times, use the **Up and Down** Arrow Buttons ((10)) to select the **weekday option** to be set. Use the following weekday options:

   • MON: AUTO **Mode** for **MONDAYS**

   • TUE: AUTO **Mode** for **TUESDAYS**

   • WED: AUTO **Mode** for **WEDNESDAYS**

   • THUR: AUTO **Mode** for **THURSDAYS**

- **FRI:** AUTO **Mode** for **FRIDAYS**
- **SAT:** AUTO **Mode** for **SATURDAYS**
- **SUN:** AUTO **Mode** for **SUNDAYS**
- **MON TUE WED THUR FRI SAT SUN:** AUTO Mode every day of the week from MONDAY TO SUNDAY.
- **SAT SUN:** AUTO **Mode** for weekends **(SATURDAYS AND SUNDAYS).**

Press button ⑤ (**Enter**) to confirm the weekday selection you wish to configure.

3. Press the **Left and Right Arrow Buttons** (⑩) to move from one time slot to another. The time slot selected will flash. In the time slot selected, press the **Up and Down Arrow Buttons** (⑩) as many times as necessary for the desired **Setpoint Unit** to be displayed or set the mode by directly pressing button ⑥ ⑦ or ⑧ of the **Low, Medium** or **High Setpoint Unit**.

CONFIGURATION OPTIONS AVAILABLE FOR THE SELECTION OF THE TIME SLOT IN AUTO MODE.

Low Setpoint Mode   ◢

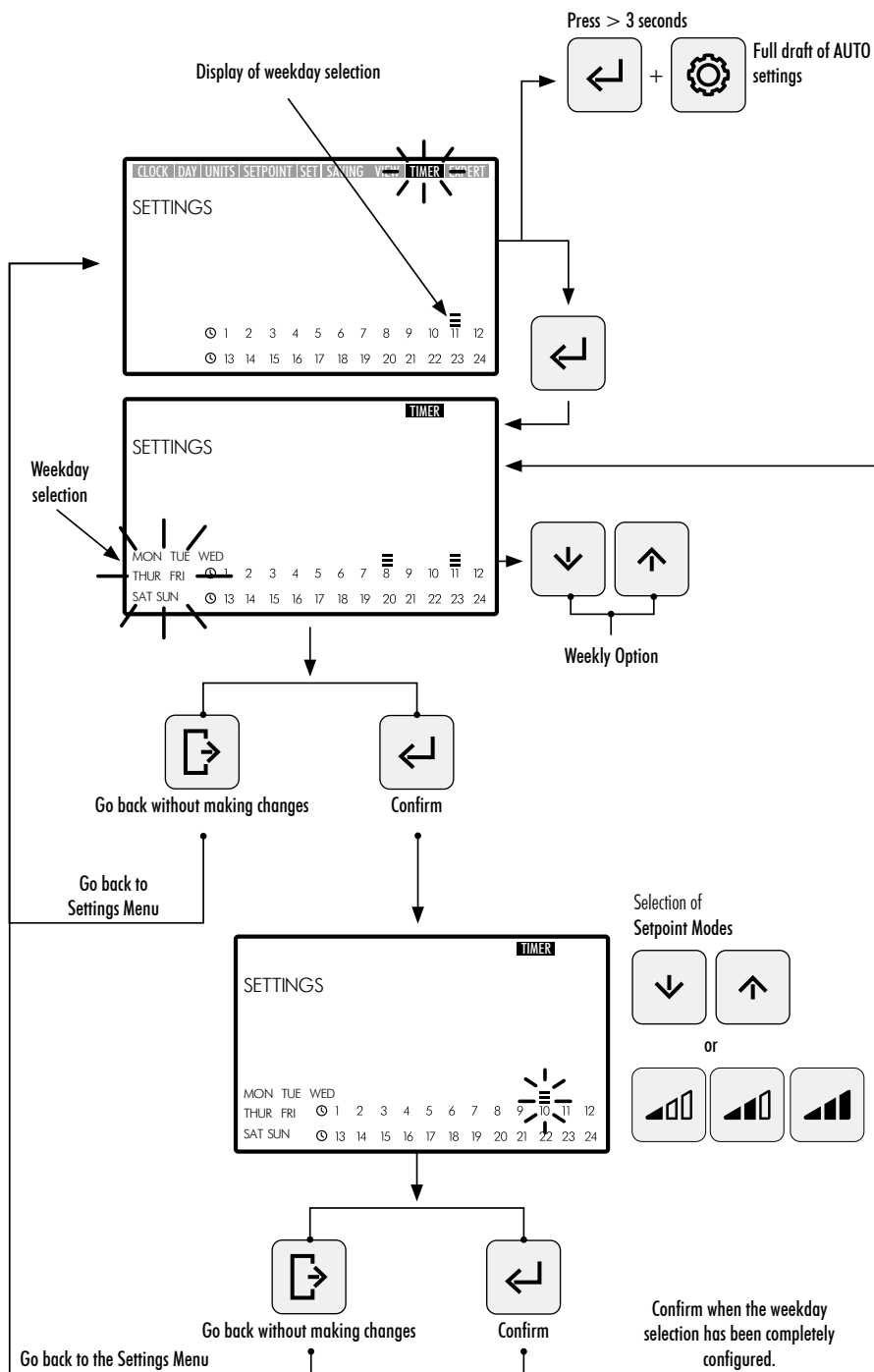**Medium Setpoint** Mode ◢◢

High Setpoint Mode ◢◢◢
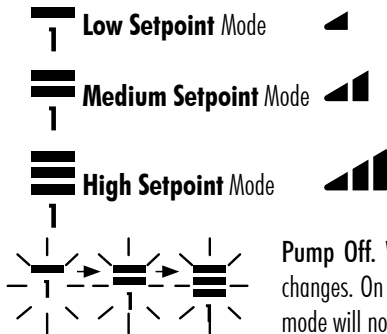
Pump Off. While the time slot selected is flashing, the speed mode changes. On moving from one time slot to another, the assigned speed mode will not be displayed.

4. Press button ⑤ (**Enter**) to confirm the weekday option selected. Once confirmed, it will go back to the weekday selection option. If required, the next day to be configured can be selected at this point or button ④ (**Exit**) pressed to go back to the options in the**Settings Menu.**

⚠ Only press button ⑤ (**Enter**) button when the weekday selection has been completely finished.

The **Low, Medium** and **High Setpoints** can be configured from the **SETPOINT** option in the **Settings Menu** (see Section 2.3.5).

Display of weekday selection

Press > 3 seconds

Full draft of AUTO settings

CLOCK | DAY | UNITS | SETPOINT | SET | SAVING | W... | TIMER | ...ERT

SETTINGS

① 1 2 3 4 5 6 7 8 9 10 11 12
① 13 14 15 16 17 18 19 20 21 22 23 24

TIMER

SETTINGS

Weekday selection

MON TUE WED
THUR FRI ① 1 2 3 4 5 6 7 8 9 10 11 12
SAT SUN ① 13 14 15 16 17 18 19 20 21 22 23 24

Weekly Option

Go back without making changes

Confirm

Go back to Settings Menu

Selection of Setpoint Modes

or

TIMER

SETTINGS

MON TUE WED
THUR FRI ① 1 2 3 4 5 6 7 8 9 10 11 12
SAT SUN ① 13 14 15 16 17 18 19 20 21 22 23 24

Go back without making changes

Confirm

Go back to the Settings Menu

Confirm when the weekday selection has been completely configured.

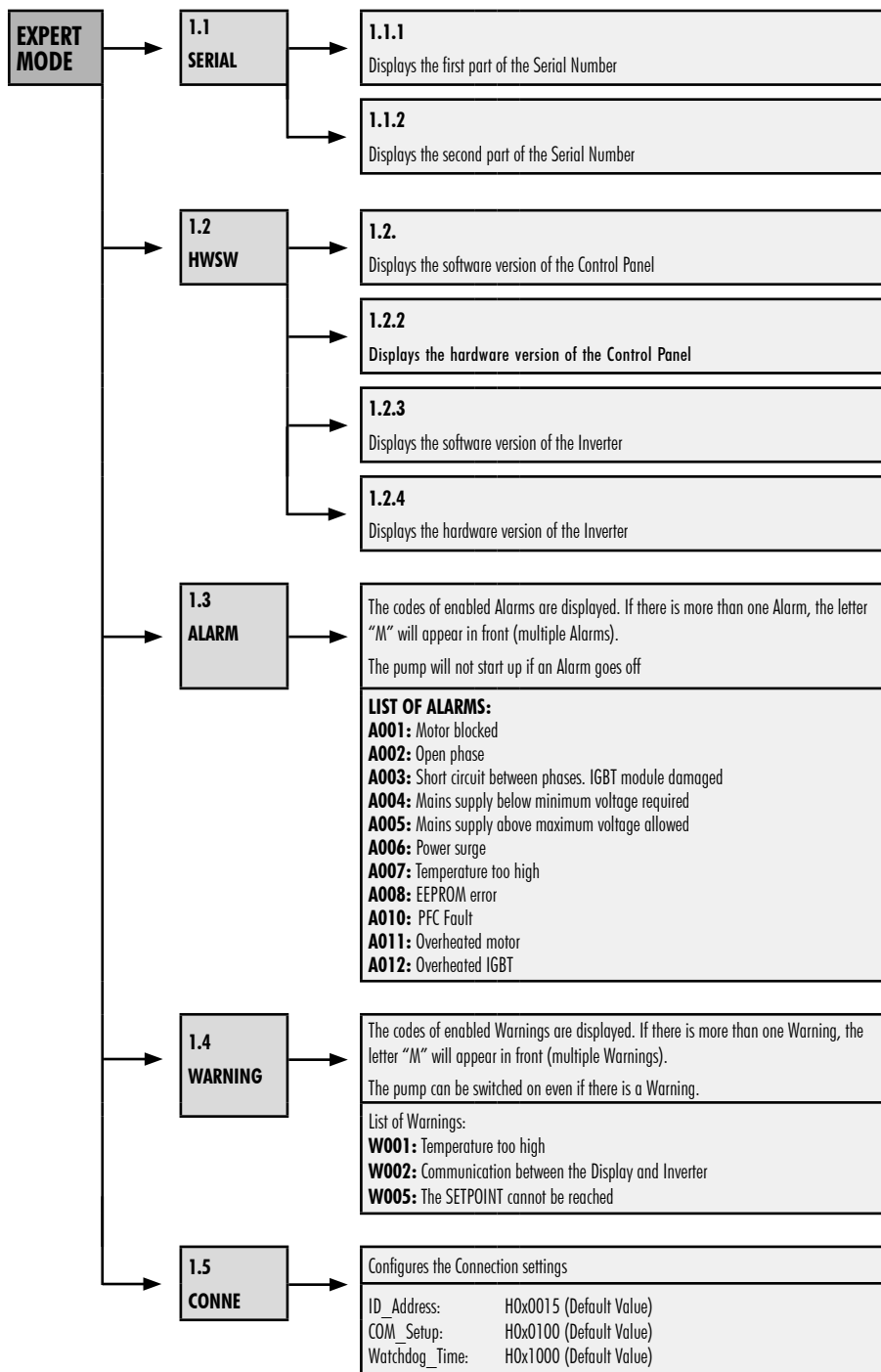## 2.3.9 EXPERT MODE. ADVANCED MENU

1. Enter the **EXPERT Mode** option in the **Settings Menu** to access the advanced menu settings..

2. Browse, select and set the options and settings in the advanced menu by using the Arrow Buttons (**10**).

3. Press button ⑤ (**Enter**) button to confirm the setting made or press button ④ (**Exit**) button to go back to the options in the **Settings Menu.**

OPTIONS IN THE ADVANCED SETTINGS MENU:

EXPERT MODE	**1.0 SETTINGS** Advanced settings		
		1.0.1 Low Setpoint	Configuration of the Setpoint modes, equivalent to the SETPOINT option in the Settings Menu.
		1.0.2 Medium Setpoint	Configuration of the setpoint, equivalent to the SETPOINT option in the Settings Menu.
		1.0.3 High Setpoint	Configuration of the setpoint, equivalent to the SETPOINT option in the Settings Menu.
		1.0.4 ID_ADDRESS	Configuration of the ID_ADDRESS: (0-255) 21 (Default Value)
		1.0.5 COM_SETUP	Communication protocols: 0: 9600, 8, E, 1 (Default Value) 1: 19200, 8, E, 1 2: 9600, 8, N, 2 3: 19200, 8, N, 2 4: 9600, 8, N, 1 5: 19200, 8, N, 1
		1.0.6 Brightness (0–10)	Selection of the screen's brightness 0: Brightness off up to 10 Maximum brightness
		1.0.7 AUTO settings	MIN: AUTO settings in minutes HOUR: AUTO settings in hours
		1.0.8 Self-priming Speed	Self-priming Speed settings Minimum: 1.000 rpm up to the Maximum: 2.850 rpm
		1.0.9 Self-priming time	Self-priming settings in seconds: Minimum 0 seconds up to the Maximum: 300 seconds 0 seconds: A specific Self-priming command is not carried out

EXPERT MODE

1.1 SERIAL

1.1.1
Displays the first part of the Serial Number

1.1.2
Displays the second part of the Serial Number

1.2 HWSW

1.2.
Displays the software version of the Control Panel

1.2.2
Displays the hardware version of the Control Panel

1.2.3
Displays the software version of the Inverter

1.2.4
Displays the hardware version of the Inverter

1.3 ALARM

The codes of enabled Alarms are displayed. If there is more than one Alarm, the letter "M" will appear in front (multiple Alarms).

The pump will not start up if an Alarm goes off

LIST OF ALARMS:
A001: Motor blocked
A002: Open phase
A003: Short circuit between phases. IGBT module damaged
A004: Mains supply below minimum voltage required
A005: Mains supply above maximum voltage allowed
A006: Power surge
A007: Temperature too high
A008: EEPROM error
A010: PFC Fault
A011: Overheated motor
A012: Overheated IGBT

1.4 WARNING

The codes of enabled Warnings are displayed. If there is more than one Warning, the letter "M" will appear in front (multiple Warnings).

The pump can be switched on even if there is a Warning.

List of Warnings:
W001: Temperature too high
W002: Communication between the Display and Inverter
W005: The SETPOINT cannot be reached

1.5 CONNE

Configures the Connection settings

ID_Address:	H0x0015 (Default Value)
COM_Setup:	H0x0100 (Default Value)
Watchdog_Time:	H0x1000 (Default Value)

3. HOW TO BLOCK THE CONTROL PANEL

In **STANDBY** Mode, **MANUAL** Mode or **AUTO** Mode, press the ③ **Settings** and ⑤ **Enter** buttons at the same time for at least 3 seconds to block access to the control panel. Use the same sequence to unblock the control panel.

When the control panel is blocked, only the **CLOCK** and **DAY** options in the **Settings Menu** will be enabled for display and to change the settings.

> **!** Block the **Control Panel** in **AUTO** Mode so that the pump starts up the weekly cycle. When the **Control Panel** is blocked, the pump will only work in **AUTO** Mode if a cycle has been programmed. If the **Control Panel** is blocked in **STANDBY** Mode, the pump will not run until it has been unblocked.

CONTROL PANEL BLOCKING AND UNBLOCKING SEQUENCES

STANDBY MODE

Press > 3 seconds

Blocked Control Panel Icon

Press > 3 seconds

Blocked Control Panel in **STANDBY** Mode

Unblock Control Panel

AUTO MODE

Press > 3 seconds

Blocked Control Panel Icon

AUTO   rpm

TUE

Press > 3 seconds

Blocked Control Panel in **AUTO** Mode

Unblock Control Panel

MANUAL MODE

Press > 3 seconds

Blocked Control Panel Icon

MANUAL   1.000 rpm

TUE

Press > 3 seconds

Blocked Control Panel in **MANUAL** Mode

Unblock Control Panel

4. CONNECTIVITY PRIORITIES

Direct commands on the Control Panel take priority over commands from the remote control via Modbus. For safety, while direct commands are being entered in to the the Control Panel, the Modbus and digital input settings cannot be modified but may be displayed.

For pump control using Modbus or Fluidra Connect press the AUTO button for more than 3 seconds so that the pump goes into "REMOT" mode. In this mode, the pump will follow the commands sent by Fluidra Connect/Modbus and the HMI buttons will be disabled.

To quit "REMOT" mode and rerun the pump manually, press the AUTO button again for more than 3 seconds.

5. CONTROL PANEL ALARMS AND WARNINGS

The **Control Panel** will display Warnings and Alarms as "**W__**" or "**A__**" followed by two digits corresponding to the failure detected. In the event that there are several Warnings or Alarms, "**M__**" (Multiple) will also be displayed.

Whenever an Alarm goes off, the pump will stop. However, if a Warning is displayed the pump can still be run.

To display **Warnings** and **Alarms**, enter the **EXPERT Mode** option in the **Settings Menu** (see Section 2.3.9).

When the battery (BAt) alarm message appears on the HMI control screen, change the battery inside the controller as instructed below:

1- Disconnect the pump from the mains in order to work safely.

2- Remove the four screws from the HMI cover (no need to disassemble the cable connected to the terminal block).

3- Replace the CR2032 battery.

4- Reassemble the controller following the procedure the other way round.

5- Connect, disconnect and then reconnect the pump's mains power supply so that it resets and the BAt message on the screen disappears.
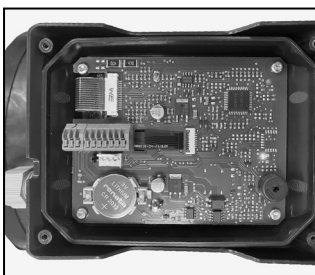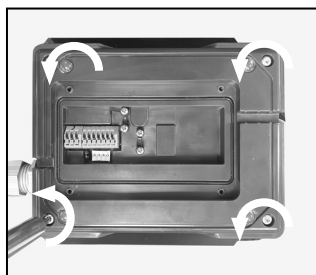
6. HOW TO MOUNT THE CONTROL PANEL ON A WALL

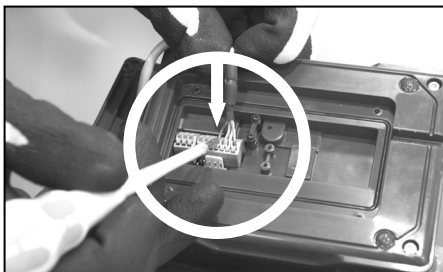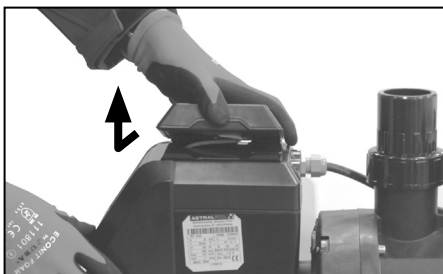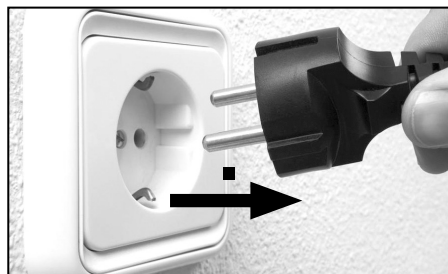The Victoria Plus Silent VS variable speed pump has a removable Control Panel that has also been designed to be mounted on walls.

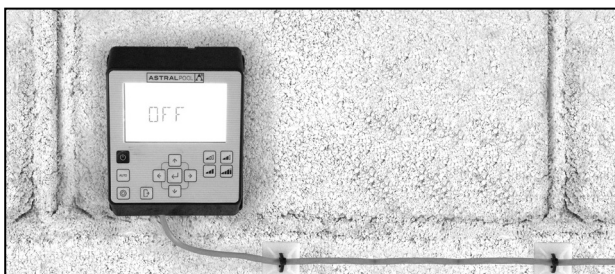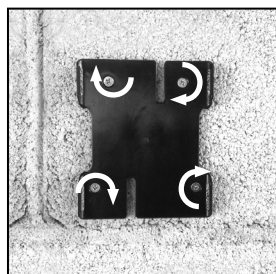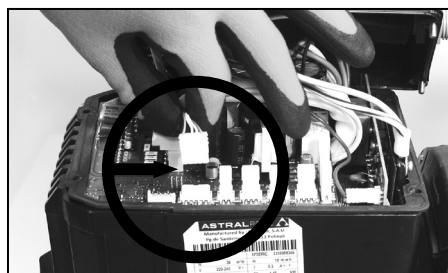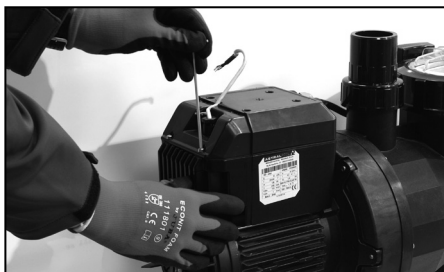Before starting, ensure that the pump is unplugged.

Unfasten the Control Panel from its base by exerting force sideways until it can be lifted upwards.

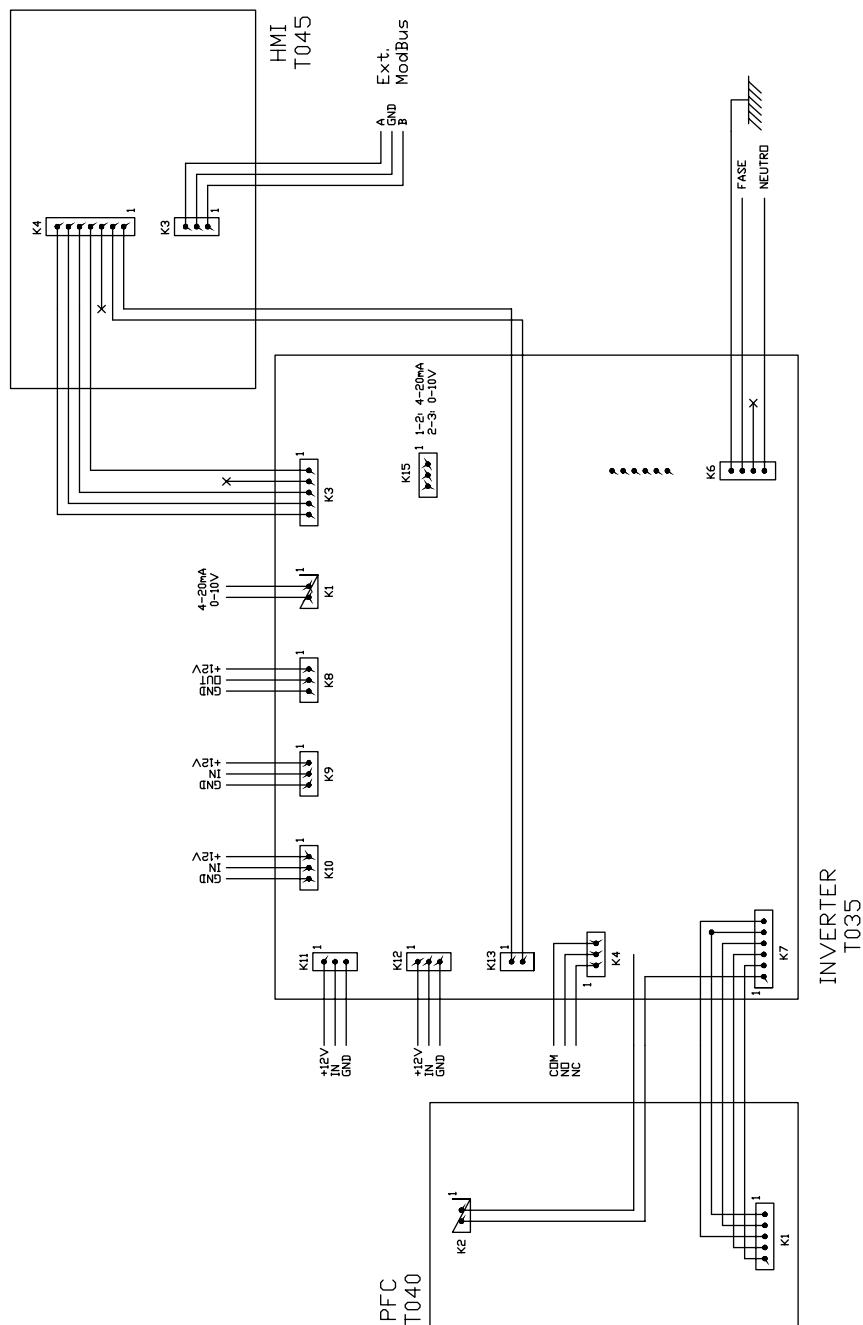Disassemble the fastening base from the motor and mount it on a wall in the desired position.

Wire the Control Panel to its pump connection.

Unplug the pump
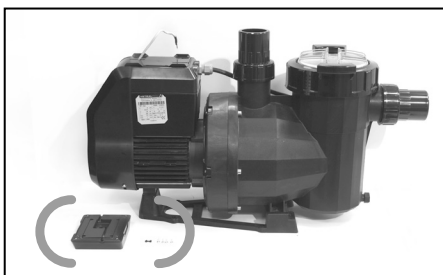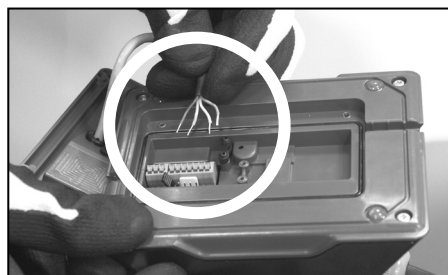
7. DIAGRAM OF INVERTER WIRING

HMI
T045

Ext.
ModBus

A
GND
B

K4

K3

FASE

NEUTRO

K3

K15   1-2: 4-20mA
      2-3: 0-10V

K6

K1   4-20mA
     0-10V

K8   +12V
     OUT
     GND

K9   +12V
     IN
     GND

K10 +12V
     IN
     GND

K11   K12   K13   K4   K7

+12V   +12V   COM
IN   IN   NO
GND   GND   NC

INVERTER
T035

K2

K1

PFC
T040

DIGITAL INPUTS					
K10	**K11**	**K1**	**K12**	**Action**	**Mode**
0	0	0	0	Change of mode	Before local
0	0	0	1	Pump off	Local
0	0	1	0	Low speed	Local
0	0	1	1	Pump off	Local
0	1	0	0	Medium Speed	Local
0	1	0	1	Pump off	Local
0	1	1	0	Medium Speed	Local
0	1	1	1	Pump off	Local
1	0	0	0	High speed	Local
1	0	0	1	Pump off	Local
1	0	1	0	High speed	Local
1	0	1	1	Pump off	Local
1	1	0	0	High speed	Local
1	1	0	1	Pump off	Local
1	1	1	0	High speed	Local
1	1	1	1	Pump off	Local

K4 Dry contact relay. Shows the pump's operating mode.

COM/NC Shows the pump is on. COM/NO Shows the pump is off.

COMMERCIAL LEISURE SUPPLIES

Cod. 67547-0009/ Rev. 03