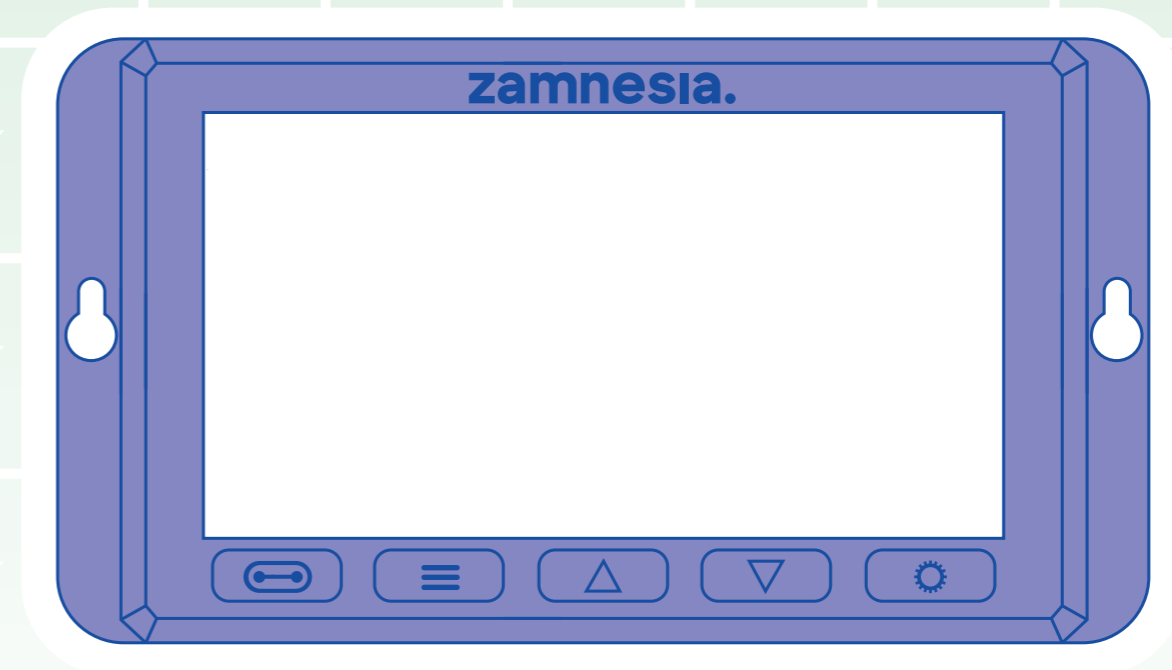


# GROW ENVIRONMENT CONTROLLER

User manual

**zam  
nesia.**

**Thank you  
for choosing  
our Grow  
Environment  
Controller**



Team Zamnesia



# Information

This smart device has been designed to simplify and automate climate and lighting control within your grow space. By combining multiple functions into one compact unit, it allows you to maintain a stable, efficient, and productive environment for your plants.

**Please note: No power adapter is included with this controller, as your grow tent appliances provide power directly through their existing connections.**

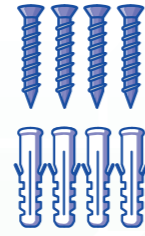
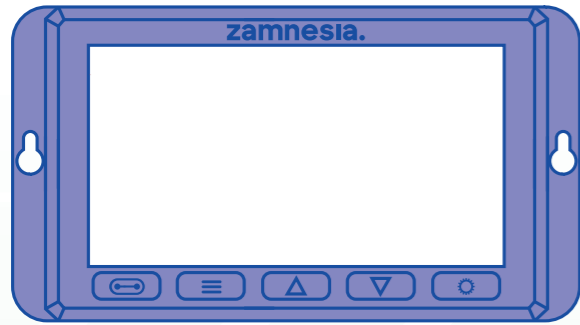
## What the Grow Environment Controller delivers:

- 1 Monitor & Adjust Climate:** Integrated sensors continuously measure temperature and humidity to keep conditions within your chosen range.
- 2 Control Multiple Devices:** Independently manage duct fans, clip fans, grow lights, and sockets through dedicated channels.
- 3 Automate Light & Fan Cycles:** Set timers, choose auto modes, or run equipment based on real-time sensor feedback.
- 4 Fine-Tune Power Output:** Use the 0–10V output channel to adjust light intensity or fan speed for optimal energy use.
- 5 Ensure Plant Safety:** Built-in priority settings prevent overheating and maintain consistent air flow, reducing stress on your grow environment.

# Manual index

- 04** Information
- 06** What's in the box
- 07** Connecting all your appliances
- 08** Channels
- 09** Buttons
- 10** Channels explained
- 15** Grow environment log
- 16** Safety/warnings

# What's in the box

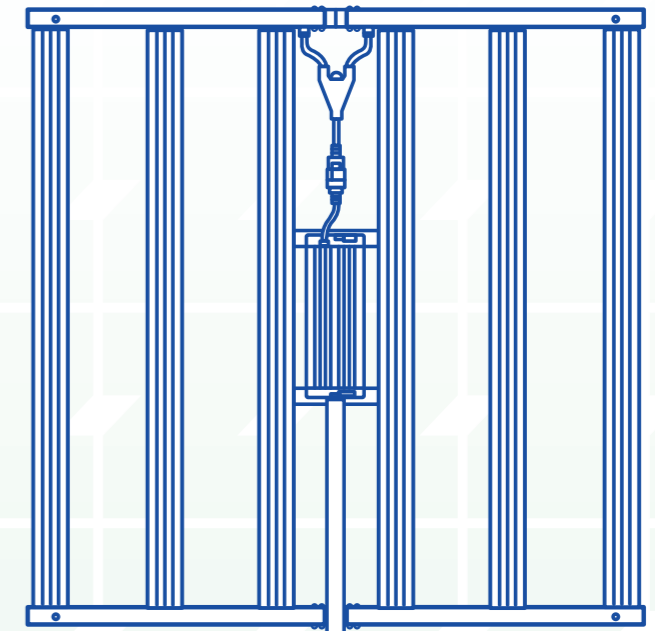


1x Grow environment controller

1x Screw set + Wall anchors

1x Temperature and humidity probe

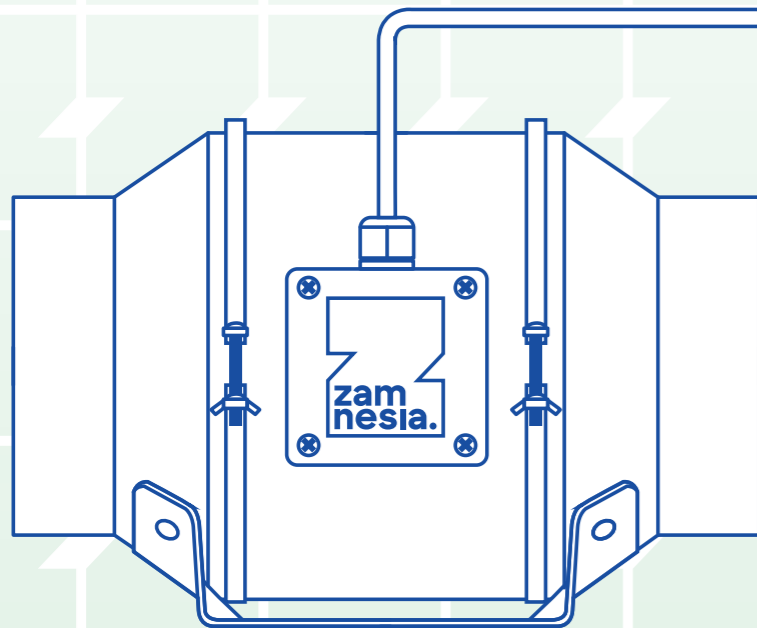
# Connecting all your appliances



LED Grow Light

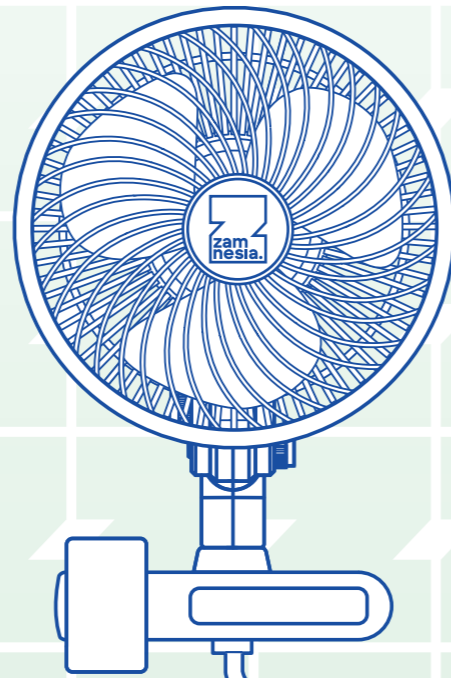
6

7

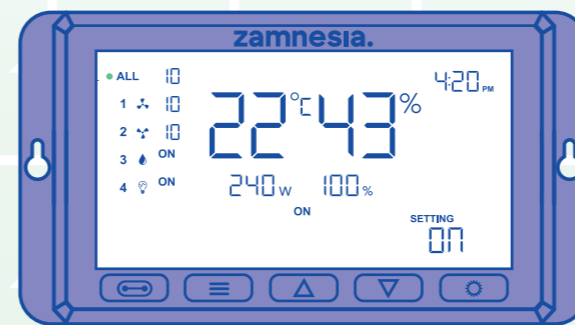


Inline Duct Fan

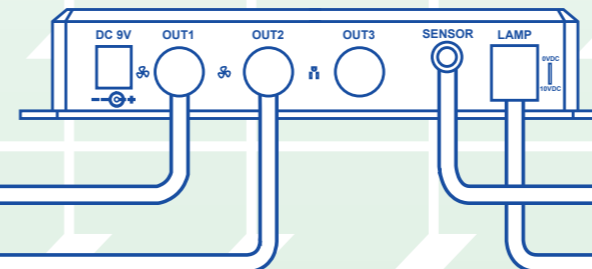
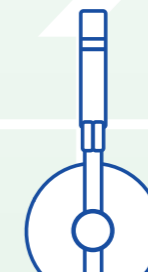
Clip Fan



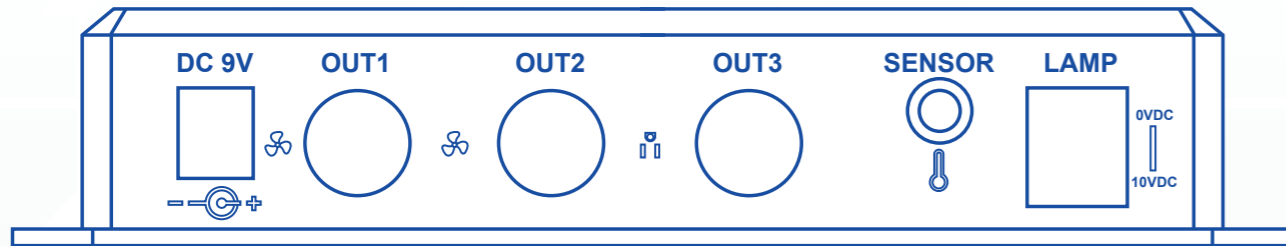
Grow Environment Controller



Temperature and humidity probe



# Channels



**DC:**  
Power source 9V~24V DC. The controller can be powered via the DC9V port or through a connected fan (duct or clip). When a fan is connected, the DC9V port is not required.

**OUT1:**  
Duct fan control channel

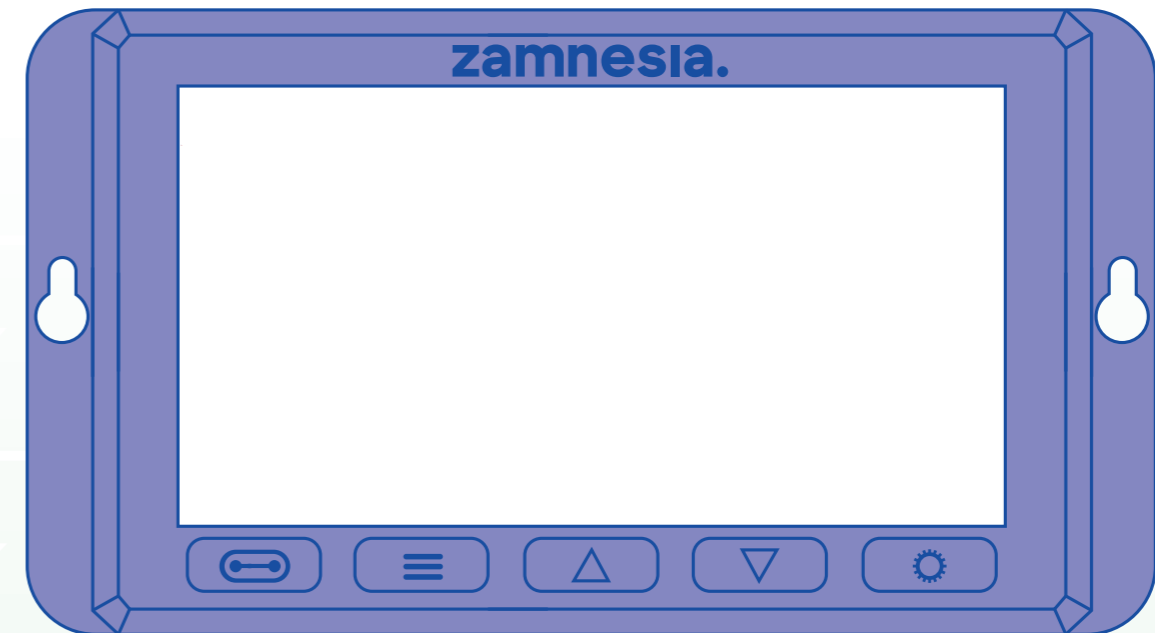
**OUT2:**  
Clip fan control channel

**OUT3:**  
Accessory output channel (optional)

**SENSOR:**  
Temperature and humidity sensor channel

**LAMP:**  
LED Grow Light channel

# Buttons



**Channel selector:**  
• Switch between available channels.

**Function menu:**  
• Opens the function menu.  
• Switch between available functions for selected channel.

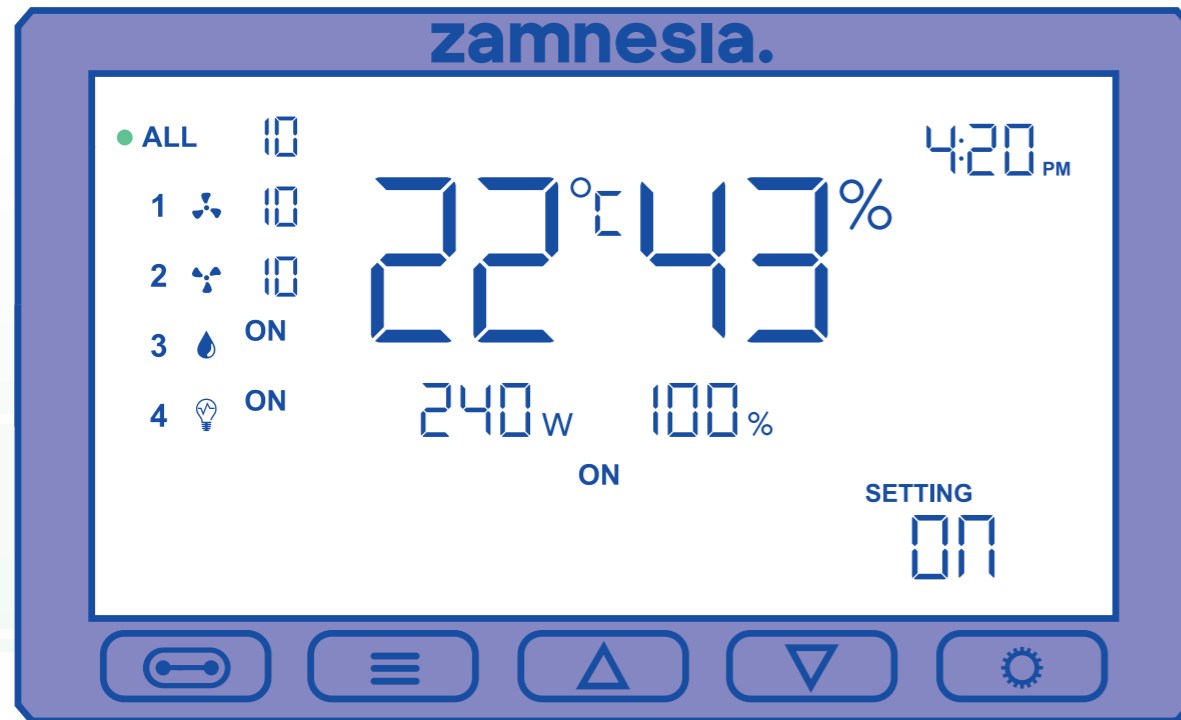
**Increase:**  
• Increases a value.

**Decrease:**  
• Decreases a value.

**System settings:**  
• Change system settings:  
• Switch between Celsius (°C) and Fahrenheit (°F).  
• Set the LED light input power range (100W–1500W).  
• Adjust system time.

# Channels explained

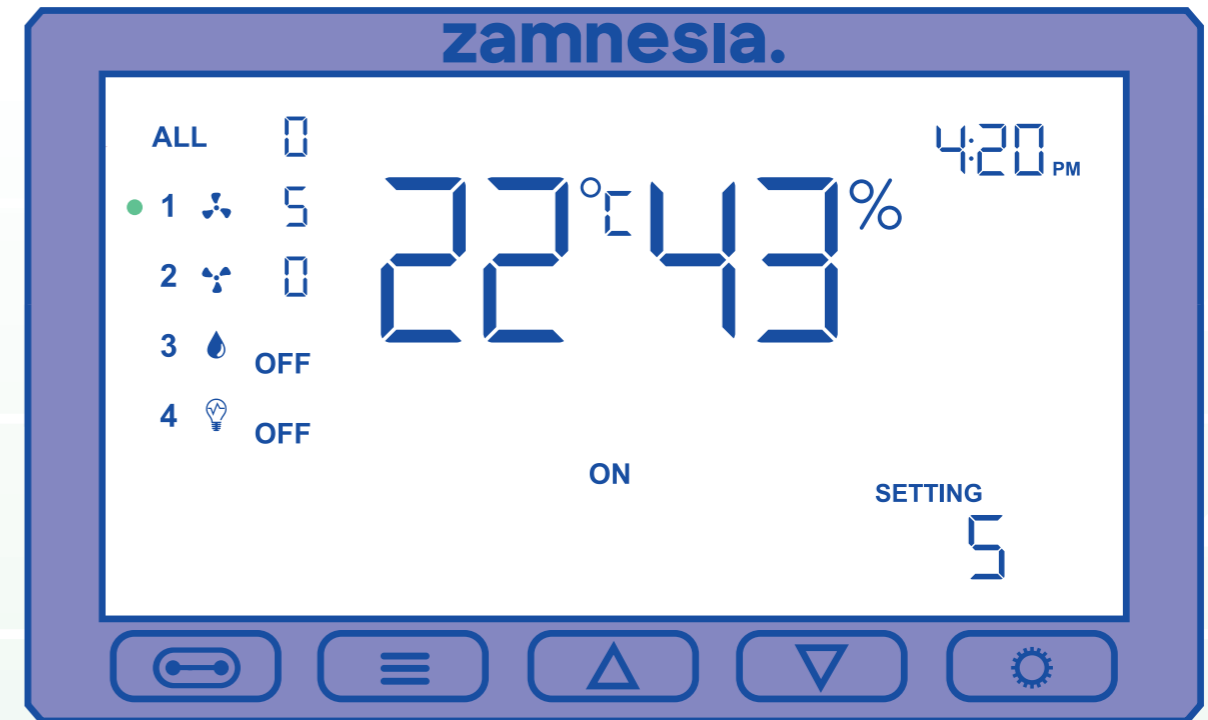
Channel "ALL":



10

Use function button to switch all channels "ON" and "OFF".  
"ON" means full power operation.

Channel "1": Inline Duct Fan Control



11






Use  button to switch between modes below.

**OFF Mode:** Duct Fan is turned off.






**ON Mode:**

- Fan runs continuously.
- Adjust fan speed in **10 levels**.  

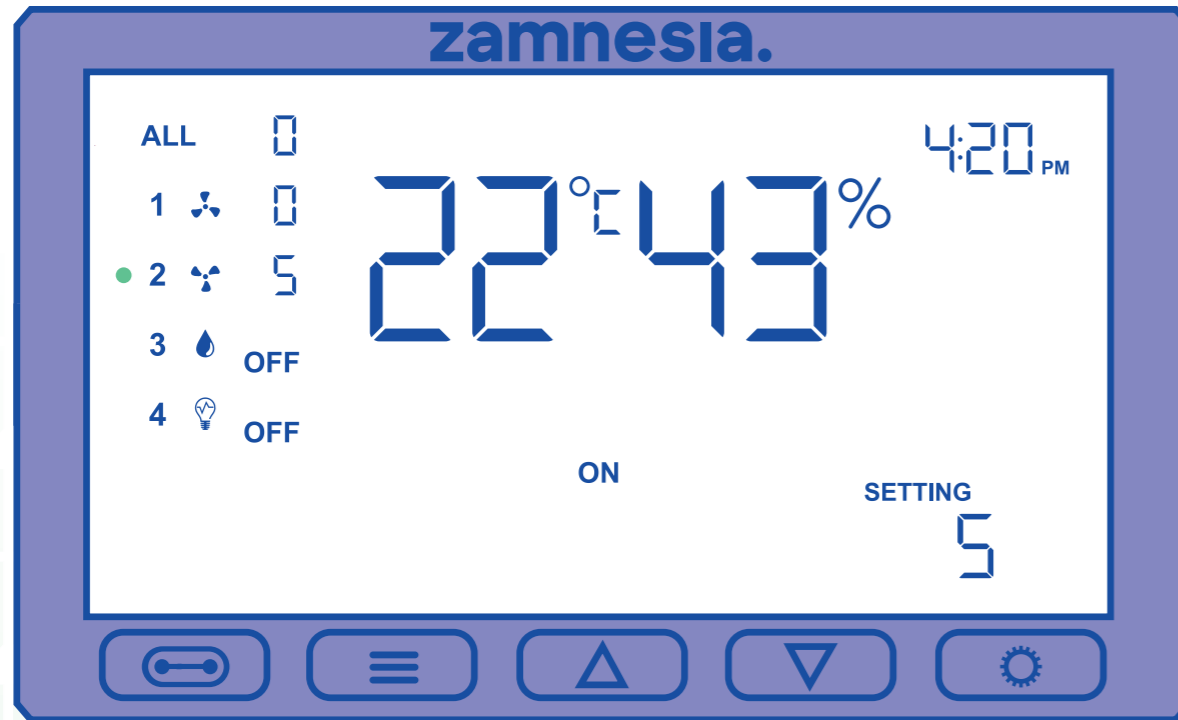
**AUTO Mode:**

- Temperature range: 0°C-90°C.  
- Press  to switch to:
- Humidity range: 0%-100%.  
- If the tent's temperature **and** humidity are **equal to or above your set values**, the fan increases to **maximum speed**.

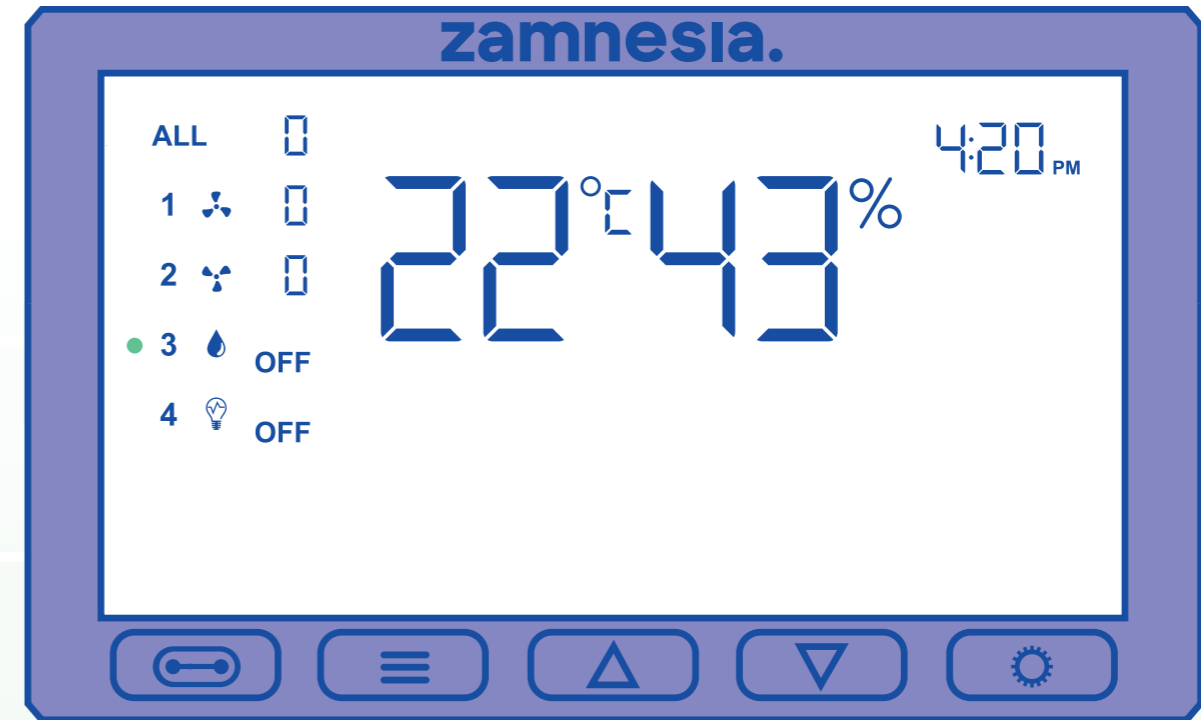
**TIMER Mode:**

- Set the time to switch "ON".  
- Press  to switch to:
- Set the time to switch "OFF".  

### Channel "2": Clip Fan Control



### Channel "3": Accessory output channel



Use  button to switch between modes below.

**OFF Mode:** Clip Fan is turned off.

#### ON Mode:



- Fan runs continuously.

- Adjust fan speed in **10 levels**.  

#### AUTO Mode:

- Temperature range: 0°C-90°C.  

Press  to switch to:

- Humidity range: 0%-100%.  

- If the tent's temperature **and** humidity are **equal to or above your set values**, the fan increases to **maximum speed**.

#### TIMER Mode:

- Set the time to switch "ON".  

Press  to switch to:

- Set the time to switch "OFF".  

Currently not yet available.



# Safety/warnings

- Read all instructions carefully before installation or use.
- Incorrect installation or configuration may result in damage to connected equipment or unsafe operating conditions.
- Electrical connections must be carried out by a qualified person in accordance with applicable local electrical codes and EN/IEC regulations.
- This product is intended for indoor use only.
- Do not expose the controller to water, excessive humidity, or heat sources.
- Ensure all connected devices are compatible with the controller's electrical ratings.
- Always disconnect the controller from the power supply before installation, inspection, or maintenance.
- Do not modify the product or connect devices not specified by the manufacturer.
- Keep the product out of reach of children and persons requiring supervision.
- Dispose of this product in accordance with local waste and WEEE regulations. Do not dispose of with household waste.



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