Astralpool NA6888

NA6888 Regulator-Controller-Display User Manual

Model: NA6888 | Brand: AstralPool

1. INTRODUCTION

The AstralPool NA6888 is a sophisticated regulator, controller, and display unit designed for integration with AstralPool heat pump systems. This device provides essential control and monitoring functionalities for your heat pump, ensuring efficient and reliable operation. Please note that this unit is *not compatible with remote control systems*.

This manual provides detailed instructions for the proper installation, operation, and maintenance of your NA6888 unit. Please read this manual thoroughly before installation and use to ensure safe and optimal performance.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the unit:

- **Electrical Safety:** This unit operates on 220V AC. All electrical connections must be performed by a qualified electrician in accordance with local electrical codes and regulations. Ensure the power supply is disconnected before any installation or maintenance work.
- **Environmental Protection:** The NA6888 unit has an IP65 protection rating, meaning it is protected against dust ingress and low-pressure water jets from any direction. However, avoid direct high-pressure water jets or submersion.
- **Proper Use:** Use the device only for its intended purpose as a regulator, controller, and display for AstralPool heat pumps. Do not attempt to modify the unit.
- **Handling:** Handle the unit with care to avoid physical damage.

3. PRODUCT FEATURES

The NA6888 unit offers a range of features for comprehensive heat pump management:

- **Integrated Control:** Combines regulation, control, and display functions in a single compact unit.
- **Sensor Inputs:** Supports dedicated inputs for a Temperature Sensor (T1) and a Defrost Sensor (T2).
- **Alarm Inputs:** Features three external alarm signal inputs (S1, S2, S3) for enhanced system monitoring.
- **Output Control:** Provides control outputs for key heat pump components including Water Pump,

Fan, Valve, and Compressor.

- **Durable Design:** IP65 rated enclosure for protection against dust and water splashes.

Figure 3.1: Front view of the NA6888 controller display, showing the digital readout and control buttons.

4. PACKAGE CONTENTS

Upon opening the package, verify that all the following components are present:

- 1x NA6888 Regulator-Controller-Display Unit
- 1x Wiring Harness/Cables

- 2x Mounting Clips

Figure 4.1: Included wiring harness.

Figure 4.2: Mounting clips.

5. SETUP AND INSTALLATION

Installation of the NA6888 unit requires careful attention to electrical connections. It is strongly recommended that installation be performed by a qualified and licensed professional.

5.1. Mounting the Unit

1. Identify a suitable location for the controller, ensuring it is protected from direct sunlight, extreme temperatures, and excessive vibration.
2. Cut an appropriate opening in the mounting panel or enclosure, matching the dimensions of the NA6888 unit.
3. Insert the NA6888 unit into the opening from the front.
4. Secure the unit in place using the provided mounting clips on the sides, ensuring a snug fit.

5.2. Wiring Connections

Refer to the wiring diagram printed on the back of the NA6888 unit for precise connection points. Ensure all connections are secure and correctly polarized.
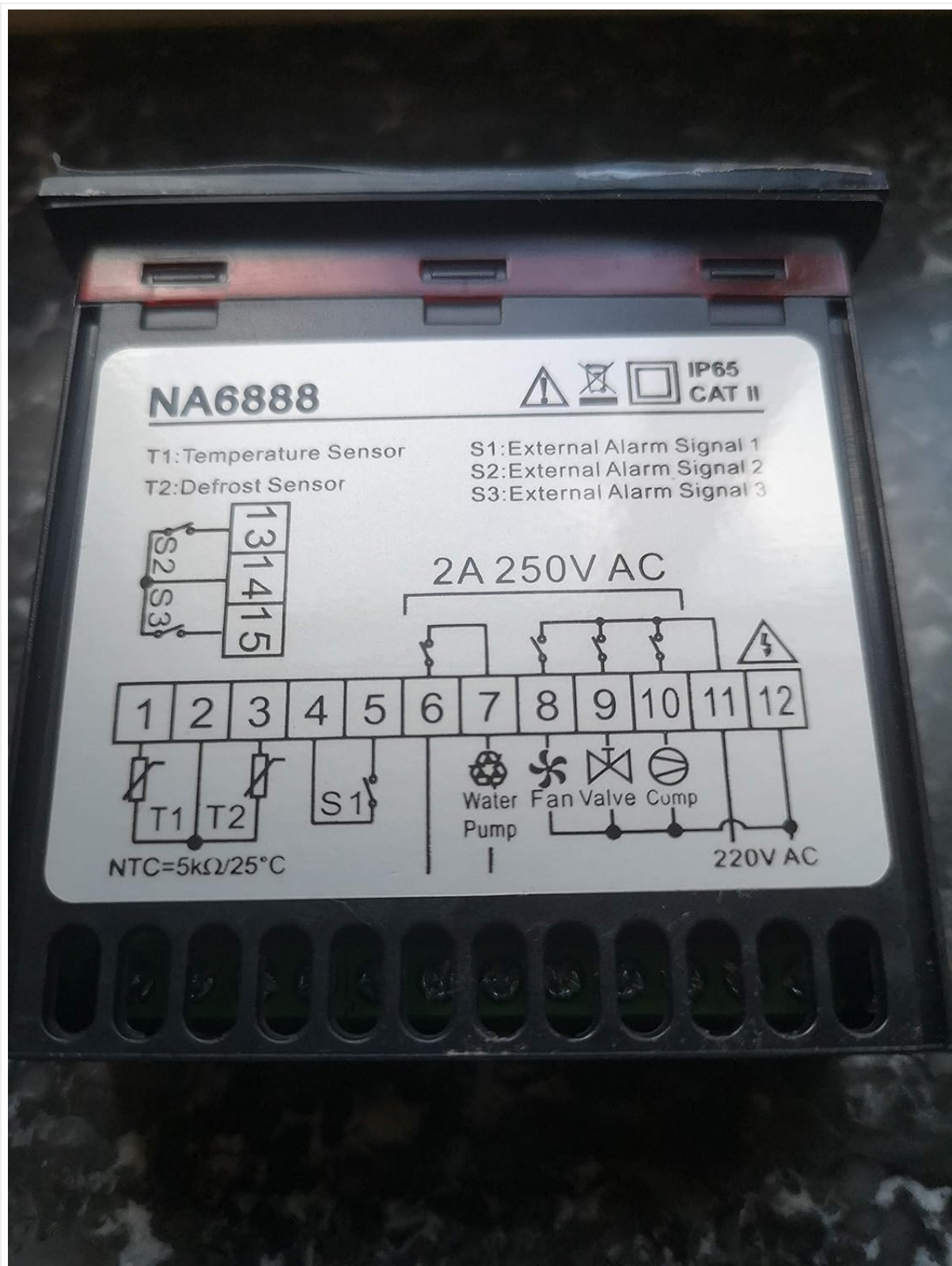
Figure 5.1: NA6888 Wiring Diagram.

Terminal Descriptions:

Terminal	Description	Notes
T1	Temperature Sensor	Connect the main temperature sensor (NTC=5kΩ/25°C).
T2	Defrost Sensor	Connect the defrost sensor.

Terminal	Description	Notes
S1, S2, S3	External Alarm Signals	Inputs for external alarm triggers.
1, 2	Power Input	Connect to 220V AC power supply.
6, 7	Water Pump Output	Control output for the water pump.
8, 9	Fan Output	Control output for the fan.
10, 11	Valve Output	Control output for the valve.
11, 12	Compressor Output	Control output for the compressor. Note shared terminal 11 with Valve.

After all connections are made, double-check the wiring against the diagram to prevent damage to the unit or connected components.

6. OPERATING INSTRUCTIONS

Once installed and powered on, the NA6888 display will illuminate, showing current system parameters. The unit features several buttons for navigation and setting adjustments:

- **Up (^) Button:** Used to increase values or navigate up through menu options.
- **Down (v) Button:** Used to decrease values or navigate down through menu options.
- **SET Button:** Used to enter a menu, confirm a selection, or save a setting.
- **M (Menu) Button:** Used to access the main menu or exit a sub-menu.

6.1. Basic Operation

1. **Power On:** Ensure the unit is correctly wired and power is supplied. The display will show the current temperature or system status.
2. **Viewing Parameters:** Use the Up/Down buttons to cycle through various displayed parameters (e.g., temperature readings from T1/T2, set points, operational status).
3. **Adjusting Settings:**
   a. Press the SET button to enter the setting mode for the currently displayed parameter, or press the M button to access the main menu.
   b. Use the Up/Down buttons to adjust the value.
   c. Press SET again to confirm and save the new value.
   d. Press M to exit the menu or setting mode.

For detailed programming and advanced settings, refer to the specific programming guide for your AstralPool heat pump model, as the NA6888 acts as the interface for these settings.

7. MAINTENANCE

The NA6888 unit is designed for low maintenance. Regular checks can help ensure its longevity and proper function:

- **Cleaning:** Periodically wipe the display and casing with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the unit.
- **Connection Check:** Annually, or if issues arise, have a qualified technician check all electrical

connections for tightness and signs of corrosion.

- **Environmental Conditions:** Ensure the unit remains within its specified operating environment (temperature, humidity) and that its IP65 rating is not compromised by physical damage.

8. TROUBLESHOOTING

If you encounter issues with your NA6888 unit, consider the following common troubleshooting steps. For complex problems, always consult a qualified technician.

Problem	Possible Cause	Solution
Display is blank	No power supply; Loose connection; Unit failure.	Check power source (220V AC). Verify wiring connections. If power is present and connections are secure, the unit may require replacement.
Incorrect temperature reading	Faulty sensor (T1 or T2); Loose sensor connection.	Check sensor wiring. Test sensor resistance (NTC=5kΩ/25°C). Replace sensor if faulty.
Outputs (Pump, Fan, etc.) not activating	Incorrect settings; Wiring issue; Component failure.	Verify controller settings. Check wiring to the respective component. Test the component itself.
External alarm not registering	Incorrect wiring to S1/S2/S3; Faulty external alarm device.	Check wiring to alarm inputs. Test the external alarm device.

If troubleshooting steps do not resolve the issue, contact AstralPool customer support or a certified service technician. Information regarding spare parts availability is not provided.

9. SPECIFICATIONS

Parameter	Value
Model Number	NA6888
Brand	AstralPool
Power Supply	220V AC, 2A max
Temperature Sensor Input	T1 (NTC=5kΩ/25°C)
Defrost Sensor Input	T2
External Alarm Inputs	S1, S2, S3
Control Outputs	Water Pump, Fan, Valve, Compressor
Protection Rating	IP65
Installation Category	CAT II
ASIN	B07XGCN44T
First Available Date	21 June 2021

10. WARRANTY AND SUPPORT

Specific warranty terms for the NA6888 unit are typically provided at the point of purchase or can be obtained directly from AstralPool. Please retain your proof of purchase for warranty claims.

For technical support, service, or inquiries regarding spare parts, please contact AstralPool customer service or your authorized dealer. Contact information can usually be found on the AstralPool official website or on your purchase documentation.

Related Documents - NA6888

[Astralpool Eco Elyo Pool Heat Pump Quick Start Guide](#)
Get started with your Astralpool Eco Elyo pool heat pump. This quick start guide covers installation, operation, maintenance, and troubleshooting for efficient pool heating.

[Astralpool Eco Elyo Heat Pump Quick Start Guide](#)
Get started with your Astralpool Eco Elyo heat pump. This quick start guide covers essential installation, operation, and maintenance information for efficient swimming pool heating.

[AstralPool Eco Elyo Heat Pump Installation and User Manual](#)
Comprehensive guide for installing, operating, and maintaining the AstralPool Eco Elyo heat pump. Covers installation, operation, safety, maintenance, and troubleshooting for pool heating systems.

[Astralpool Kivu Centrifugal Pump Manual: Installation, Operation, and Maintenance](#)
Comprehensive manual for the Astralpool Kivu centrifugal pump, covering installation, operation, safety precautions, troubleshooting, and maintenance for swimming pools. Includes model information and technical specifications.

[AstralPool QB800 Robotic Pool Cleaner: User Manual & Guide](#)
This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the AstralPool QB800 Robotic Pool Cleaner.

[ASTRALPOOL Stainless Steel Maintenance Guide for Aquatic Applications](#)
Essential guide for maintaining ASTRALPOOL stainless steel components in aquatic environments. Learn best practices for cleaning, preventing oxidation, and ensuring longevity.

Documents - Astralpool – NA6888

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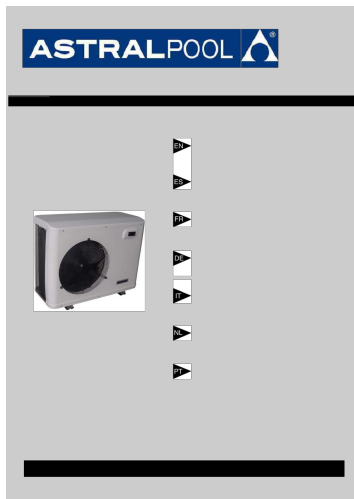lang:en score:33 filesize: 1.95 M page_count: 25 document date: 2014-01-06

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earce WÄRMEPUMPE HEAT PUMP BOMBA DE CALOR PARA PISCINABOMBA Calor EVO · La bomba de calor está prevista para su conexión a una alimentación general con toma tierra Sección del cable Esta sección es manual evo blpapiscinasferromar documentacion astralpool manual blpa srsltid AfmBOoo9H tlS2Ekx3tnmdDMUX8ec8GHoYsAeiaJvl1RCOhZrrgclFqO PISC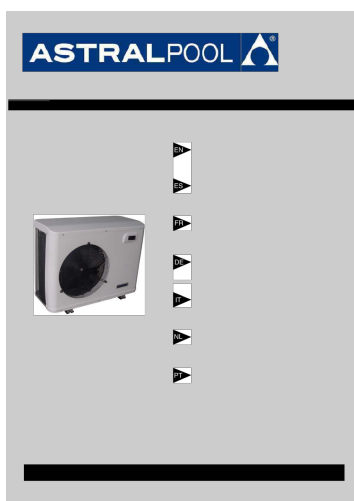INAWÄRMEPUMPE es BOMBA blpamanual AfmBOor12Q8GD4 QyrO OjLlOf8mMC4utshRok2uci2jzwElzwjOhZu5piscinasferromar es Cuando se haga un lavado filtro depuración la debe estar parada et électroniques 2002 95 CE RoHS Directive relative aux déchets d manual tlS2Ekx3tnmdDMUX8ec8GHoYsAeiaJvl1RCOhZrrgclFqOpiscinasferromar AfmBOoocKLiZxiV7rmvuAjVNkJAOA7Cxo7 hv1Gr 2VYTcwAsp4xRmTd |||

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