

## TROTEC BH30

# TROTEC BH30 Humidity Plug Controller Instruction Manual

## 1. INTRODUCTION

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This instruction manual provides essential information for the safe and efficient operation of your TROTEC BH30 Humidity Plug Controller. The BH30 is designed to regulate ambient humidity by controlling connected humidifiers or dehumidifiers, ensuring optimal environmental conditions. Please read this manual thoroughly before initial use and keep it for future reference.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury or damage to the device:

- Read all instructions carefully before using the device.
- Keep the device out of reach of children and unauthorized persons.
- Do not expose the device to water, moisture, or extreme temperatures.
- Ensure the device is connected to a properly grounded electrical outlet compatible with your region's standards.
- Do not operate the device if it is visibly damaged.
- Only use the device for its intended purpose as a humidity controller.

## 3. PRODUCT OVERVIEW

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The TROTEC BH30 Humidity Plug Controller features a clear digital display and intuitive controls for easy operation.



**Figure 1:** Front view of the TROTEC BH30 Humidity Plug Controller, showing the digital display, control buttons, and integrated power socket.



Figure 2: Close-up of the digital display and control buttons (Up, Power/Mode, Down, Reset) on the TROTEC BH30.

### Components:

- **Digital Display:** Shows current humidity, set humidity, and operating mode.
- **Up Button:** Increases the set humidity value.
- **Power/Mode Button:** Powers the device on/off and enters/confirms setting mode.
- **Down Button:** Decreases the set humidity value.
- **Reset Button:** Restores factory settings.
- **Integrated Power Socket:** For connecting your humidifier or dehumidifier.
- **Indicator Lights:** Red/Green lights to indicate operational status.



**Figure 3:** Rear view of the TROTEC BH30, illustrating the CR2032 battery compartment and ventilation slots.

## 4. SETUP

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Follow these steps to set up your TROTEC BH30 Humidity Plug Controller:

1. **Plug In:** Insert the BH30 directly into a standard, properly grounded wall socket.
2. **Connect Appliance:** Plug your humidifier or dehumidifier into the integrated power socket on the front of the BH30.
3. **Power On:** Press the Power/Mode button to turn on the BH30. The display will illuminate, showing the current ambient humidity.



**Figure 4:** The TROTEC BH30 Hygrostat plugged into a wall socket, with a dehumidifier connected, demonstrating a typical setup.

## 5. OPERATION

### 5.1 Setting Desired Humidity

1. With the device powered on, press the **Power/Mode** button once to enter the humidity setting mode. The currently set humidity value will flash on the display.
2. Use the **Up** (▲) and **Down** (▼) arrow buttons to adjust the desired humidity level. The adjustable range is from 20% to 90% Relative Humidity (RH).
3. Press the **Power/Mode** button again to confirm your selection, or wait a few seconds for the setting to be automatically saved. The display will return to showing the current ambient humidity.

### 5.2 Automatic Control

The BH30 will automatically activate or deactivate the connected appliance based on the set humidity level:

- If the current humidity is **above** the set level (for dehumidification) or **below** the set level (for

humidification), the connected appliance will turn on. The indicator light will typically be **red**.

- Once the current humidity reaches the set level, the connected appliance will turn off. The indicator light will typically be **green**.

### 5.3 Reset Function

To restore the device to its factory default settings, press the small **Reset** button located below the control buttons. You may need a thin object like a paperclip to press it.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and accurate performance of your BH30 controller.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the unit.
- **Sensor Care:** Ensure the humidity sensor (located on the device) is not obstructed by dust or debris.
- **Battery Replacement:** The BH30 uses a CR2032 lithium button cell battery to retain settings during power outages. If settings are lost after a power interruption, the battery may need replacement. The battery compartment is located on the rear of the device (refer to Figure 3). Carefully open the compartment, replace the old battery with a new CR2032 battery, ensuring correct polarity, and close the compartment securely.

## 7. TROUBLESHOOTING

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If you encounter issues with your TROTEC BH30, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	No power supply.	Ensure the BH30 is securely plugged into a live electrical outlet. Check the outlet with another appliance.
Connected appliance does not turn on/off.	Incorrect humidity setting; appliance not functioning; appliance not properly connected.	Verify the set humidity level. Ensure the connected appliance is switched on and working independently. Check that the appliance is firmly plugged into the BH30.
Humidity readings appear inaccurate.	Sensor obstructed; device placed in unsuitable location.	Ensure the sensor is clean and unobstructed. Relocate the BH30 away from direct airflow, heat sources, or extreme cold.
Settings are lost after power interruption.	Internal battery depleted.	Replace the CR2032 battery as described in the Maintenance section.

## 8. SPECIFICATIONS

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Feature	Specification
Model Number	6100004205
Dimensions (L x W x H)	12.6 x 6.8 x 7.6 cm
Weight	210 grams
Humidity Regulation Range	20% to 90% Relative Humidity (RH)
Operating Temperature Range	5°C to 35°C
Battery Type	CR2032 Lithium (for settings retention)
Mounting Type	Plug-in
Humidity Precision	Approximately 0.5%

## 9. WARRANTY AND SUPPORT

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For warranty information, please refer to the documentation provided with your purchase or visit the official TROTEC website. For technical assistance, product inquiries, or to report issues, please contact TROTEC customer service through their official channels.

You can find more information and support on the TROTEC official website.