

EUROPLAST EE100HT_SML

EUROPLAST EE100HT_SML 100mm Bathroom Extractor Fan User Manual

Model: EE100HT_SML

1. PRODUCT OVERVIEW

The EUROPLAST EE100HT_SML is a 100mm (4-inch) bathroom extractor fan designed for efficient air extraction in residential and commercial spaces such as bathrooms, kitchens, and small offices. This model features an integrated humidistat (humidity sensor) and an adjustable timer for automated operation. It is suitable for connection to ducts up to 3 meters in length or for direct wall mounting. The fan is constructed from durable ABS plastic, offering resistance to moisture and ensuring long-lasting performance.

Key features include:

- **Efficient Ventilation:** Removes excess humidity, steam, and odors.
- **Durable Construction:** Made from robust ABS plastic for moisture resistance.
- **Quiet Operation:** Engineered for low noise levels during use.
- **IPX4 Rated:** Protected against splashing water, suitable for wet environments.
- **Automatic Humidity Sensor:** Activates the fan when room humidity exceeds a set threshold (adjustable 60-90% RH).
- **Adjustable Timer:** Allows customization of fan run-on time (1-30 minutes) after activation.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Installation must be performed by a qualified electrician in accordance with all local and national wiring regulations.
- Always disconnect power at the main circuit breaker before installing, servicing, or cleaning the fan.
- Ensure the power supply voltage matches the fan's rating (230V, 50Hz).
- Do not install the fan above a shower or bath unless it is protected by a residual current device (RCD).
- Keep hands and foreign objects away from the fan blades during operation.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- EUROPLAST EE100HT_SML Extractor Fan Unit
- Mounting Screws and Wall Plugs
- Instruction Manual (this document)

4. INSTALLATION

The EE100HT_SML fan is designed for wall or ceiling mounting and is compatible with 100mm (4-inch) round air ducts.

4.1 Mounting the Fan

1. **Prepare the Installation Area:** Ensure the mounting surface is flat and stable. Create a 100mm diameter opening for the duct if not already present.
2. **Disconnect Power:** Turn off the electricity supply at the main circuit breaker.
3. **Separate Front Cover:** Gently unclip or unscrew the front cover of the fan to access the mounting holes and wiring terminal.
4. **Position the Fan:** Place the fan body into the duct opening or against the wall/ceiling, ensuring the duct spigot is correctly aligned.
5. **Mark Drilling Points:** Use the fan's mounting holes as a template to mark the drilling points on the wall or ceiling.
6. **Drill Holes:** Drill holes at the marked points and insert the provided wall plugs.
7. **Secure the Fan:** Mount the fan body securely using the provided screws.



Figure 1: Back view of the fan with duct opening and mounting points.

4.2 Electrical Connection

Refer to the wiring diagram inside the fan's terminal cover. Ensure all connections are tight and secure.

1. **Access Terminal Block:** With the front cover removed, locate the electrical terminal block.
2. **Connect Wires:** Connect the live (L), neutral (N), and switched live (LT) wires from your electrical supply to the corresponding terminals on the fan. The switched live (LT) is typically connected to the light switch circuit for timer activation.
3. **Secure Wiring:** Ensure all wires are properly stripped and securely fastened in the terminal block. Use cable clamps if available to prevent strain on connections.

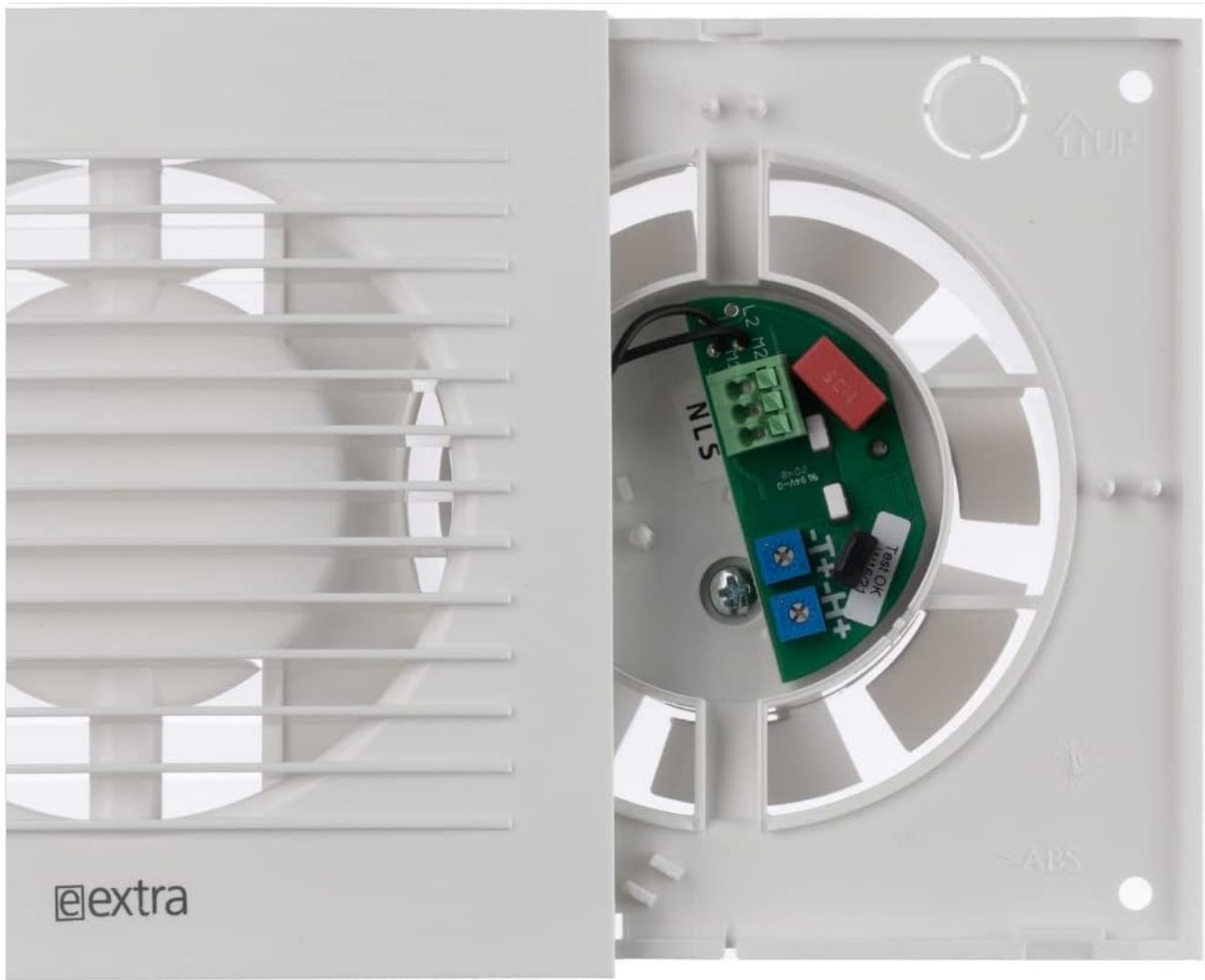


Figure 2: Internal view showing wiring terminals and adjustment controls.

4.3 Reattach Front Cover

Once wiring is complete and secure, reattach the front cover of the fan. Ensure it clips or screws back into place firmly.

5. OPERATION

The EE100HT_SML fan operates based on its integrated humidistat and timer settings.

5.1 Humidistat (Humidity Sensor)

The fan will automatically activate when the ambient humidity level in the room exceeds the set threshold. It will continue to run until the humidity drops below this threshold, plus any additional run-on time set by the timer.

5.2 Timer Function

The timer allows the fan to continue running for a set period after the humidity level drops or after the switched live (e.g., light switch) is turned off. This ensures complete removal of residual moisture and odors.

5.3 Adjusting Settings

To adjust the humidistat and timer settings, you will need to remove the front cover of the fan (ensure power is disconnected first). Inside, you will find two potentiometers (small adjustable screws):

- **Humidity Threshold:** Adjust this potentiometer to set the humidity level (60-90% Relative Humidity) at which

the fan will activate. Turning it clockwise typically increases the threshold.

- **Timer Duration:** Adjust this potentiometer to set the run-on time (1-30 minutes) for the fan. Turning it clockwise typically increases the duration.

Use a small screwdriver to carefully turn these potentiometers. After adjustment, reattach the front cover and restore power to test the new settings.

6. MAINTENANCE

Regular cleaning ensures optimal performance and longevity of your extractor fan.

6.1 Cleaning the Fan

1. **Disconnect Power:** Always turn off the electricity supply at the main circuit breaker before cleaning.
2. **Remove Front Cover:** Carefully unclip or unscrew the front cover.
3. **Clean Cover and Blades:** Wipe the front cover and the fan blades with a soft, damp cloth. For stubborn dirt, a mild detergent can be used. Do not use abrasive cleaners or solvents.
4. **Clean Fan Body:** Gently wipe the exterior of the fan body. Avoid getting water into the electrical components.
5. **Reassemble:** Ensure all parts are dry before reattaching the front cover.
6. **Restore Power:** Turn the electricity supply back on.



Figure 3: Front view of the fan, showing the grille that may need cleaning.

7. TROUBLESHOOTING

If you experience issues with your fan, consult the following table before contacting support.

Problem	Possible Cause	Solution
Fan does not turn on.	No power supply. Incorrect wiring. Humidity level below threshold.	Check circuit breaker and power connection. Verify wiring connections (refer to Section 4.2). Adjust humidity threshold setting (refer to Section 5.3).
Fan runs continuously.	Humidity level consistently above threshold. Timer set too long. Faulty humidistat.	Ensure proper ventilation in the room. Adjust humidity threshold (refer to Section 5.3). Adjust timer duration (refer to Section 5.3). Contact qualified service personnel.
Fan is noisy.	Dirty fan blades. Loose mounting. Obstruction in duct.	Clean fan blades (refer to Section 6.1). Ensure fan is securely mounted. Check ductwork for blockages.
Fan does not respond to humidity changes.	Humidistat setting incorrect. Faulty humidistat.	Adjust humidity threshold (refer to Section 5.3). Contact qualified service personnel.

8. SPECIFICATIONS

Feature	Specification
Brand	EUROPLAST
Model Number	EE100HT_SML
Duct Diameter	100mm (4 inches)
Color	White
Power Source	Corded Electric
Voltage	230V
Frequency	50Hz
Power Consumption	16W
Rotation Speed	2360 RPM
Airflow	150 m³/h
Noise Level (at 3m)	36 dB(A)

Feature	Specification
Material	ABS Plastic
IP Rating	IPX4 (Splash-proof)
Humidistat Range	60-90% Relative Humidity (Adjustable)
Timer Range	1-30 minutes (Adjustable)
Product Dimensions (approx.)	19 x 8 x 19 cm (L x W x H) Front Panel: 15 x 15 cm Duct Spigot Length: 80mm (3.1") Front Panel Thickness: 16mm (0.6")
Item Weight	490g
Installation Type	Wall Mount / Ceiling Mount

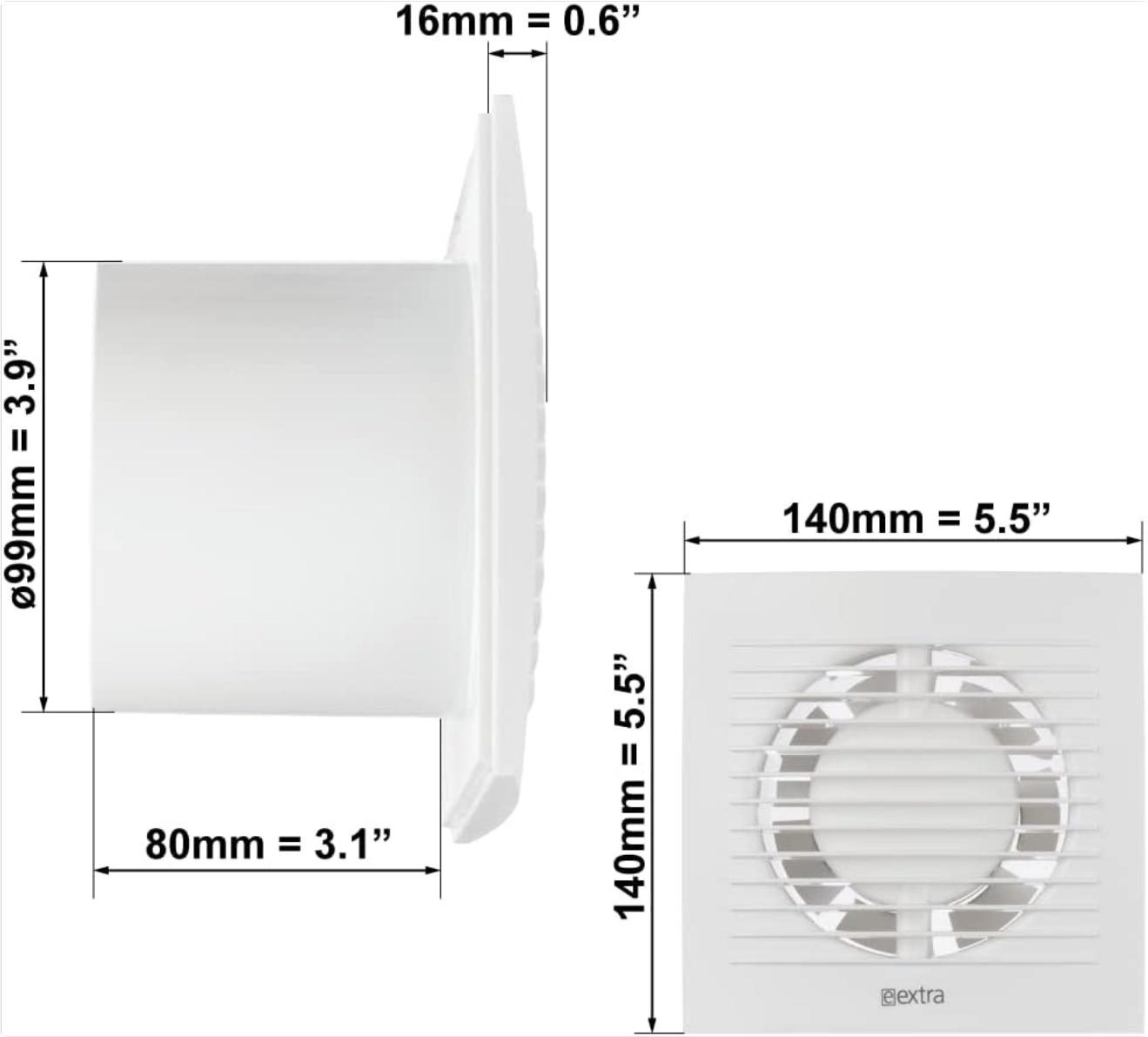


Figure 4: Dimensional drawing of the fan.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the manufacturer's official website or contact your retailer. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question