

## Logilink EM0002B

# LogiLink EM0002B Energy Cost Meter User Manual

Model: EM0002B

Brand: LogiLink

## 1. INTRODUCTION

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The LogiLink EM0002B Energy Cost Meter is designed to measure and display the energy consumption of connected electrical appliances. It provides real-time data on power in Watts, network voltage, energy consumption, and calculates energy costs based on your input tariff. This device helps identify high-energy-consuming appliances and manage electricity usage effectively.

## 2. SAFETY INSTRUCTIONS

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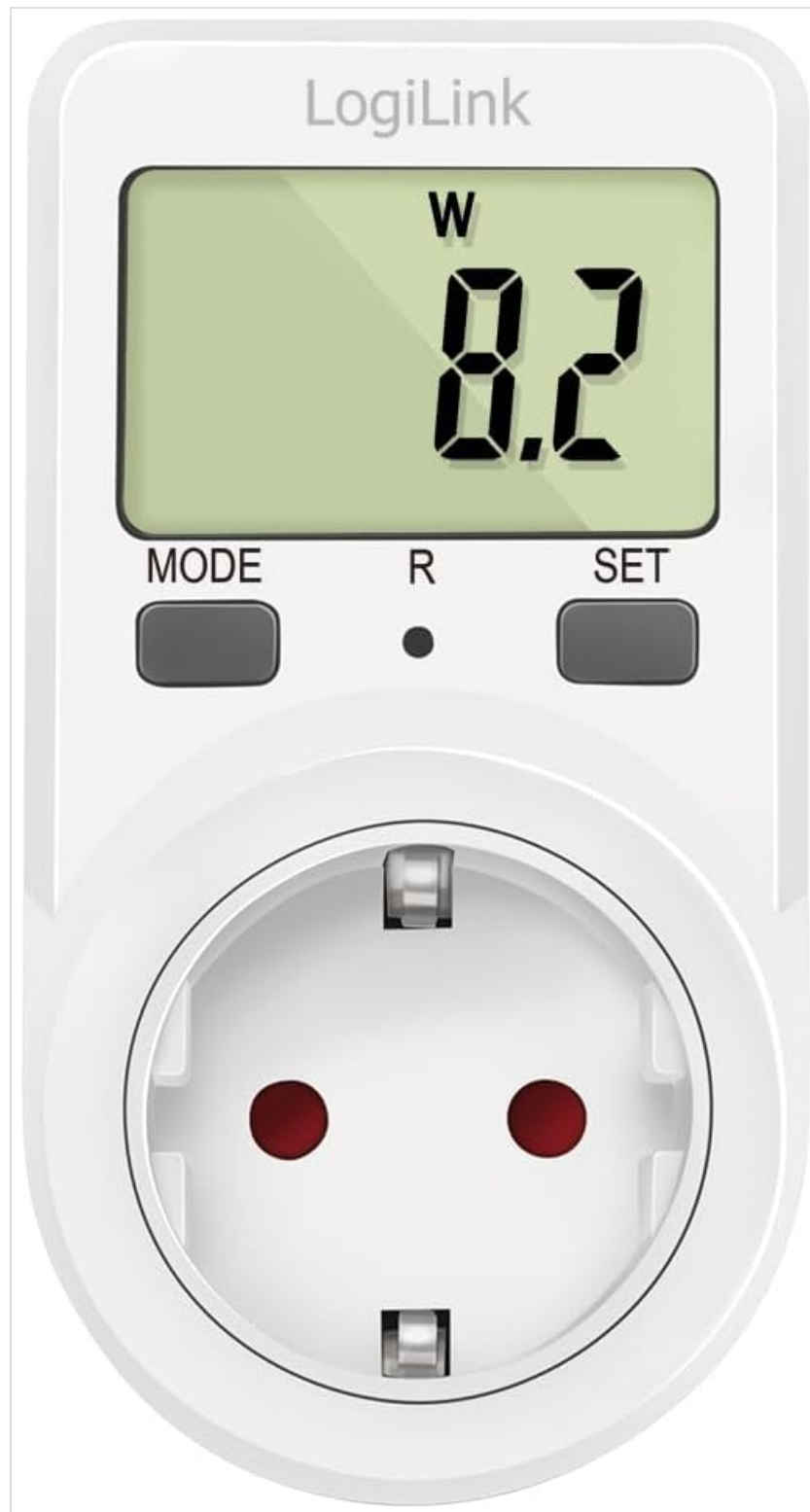
Please read and understand these safety instructions before using the device. Failure to follow these instructions may result in electric shock, fire, or damage to the device.

- This device is intended for indoor use only. Its protection class is IP20.
- Do not disassemble, modify, or attempt to repair the device. Refer all servicing to qualified personnel.
- Ensure the total power consumption of connected appliances does not exceed 3600W. Overloading can cause damage or fire.
- Do not expose the device to moisture, water, or extreme temperatures.
- Keep out of reach of children.
- Always plug the device into a properly grounded wall outlet.

## 3. PRODUCT OVERVIEW

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Familiarize yourself with the components of your LogiLink EM0002B Energy Cost Meter.



**Figure 3.1:** Front view of the LogiLink EM0002B Energy Cost Meter, highlighting the large LCD display and control buttons. The display indicates a voltage reading of 230.0V. The device features a standard European Type F (Schuko) socket.

### Key Components:

- **LCD Display:** Shows various measurement data (Voltage, Wattage, Consumption, Cost).
- **MODE Button:** Cycles through different display modes.
- **R (Reset) Button:** Resets accumulated data (e.g., consumption, cost).
- **SET Button:** Used to enter and confirm settings, such as the energy tariff.
- **Power Plug:** Connects the meter to a wall outlet.
- **Appliance Socket:** Where the appliance to be monitored is plugged in.

## 4. SETUP

Follow these steps to set up your energy cost meter:

1. Plug the LogiLink EM0002B Energy Cost Meter into a standard 230V AC 50Hz wall outlet.
2. Connect the electrical appliance you wish to monitor into the socket of the energy cost meter.
3. The device will power on automatically and typically display the current network voltage.



**Figure 4.1:** The LogiLink EM0002B Energy Cost Meter is shown plugged into a wall outlet, with an electrical cord from a table lamp connected to it. This illustrates a typical use case for monitoring the energy consumption of household appliances.

## 5. OPERATING INSTRUCTIONS

### 5.1. Display Modes

Press the **MODE** button repeatedly to cycle through the various display modes:

- **Voltage (V):** Displays the current network voltage.
- **Power (W):** Shows the real-time power consumption of the connected appliance in Watts.
- **Energy Consumption (kWh):** Accumulates the total energy consumed over time in kilowatt-hours.

- **Energy Cost (€):** Calculates the total cost based on the accumulated energy consumption and your set tariff.
- **Overload Warning:** Indicates if the connected load exceeds the maximum allowed wattage.



**Figure 5.1:** A close-up of the LogiLink EM0002B Energy Cost Meter's LCD screen, showing a power consumption reading of 8.2W. This display mode indicates the real-time wattage being drawn by the connected appliance.

## 5.2. Setting Energy Tariff

To calculate energy costs, you need to input your electricity tariff:

1. Press the **SET** button to enter the cost setting mode. The cost value will start flashing.
2. Use the **MODE** button to adjust the flashing digit or value.
3. Press the **SET** button again to confirm the digit and move to the next one, or to the next setting parameter.

- Once all digits of your tariff are set, press **SET** one last time to save the tariff and exit the setting mode.

### 5.3. Resetting Data

To clear all accumulated energy consumption and cost data, press the **R** (Reset) button. This will reset all values to zero, allowing you to start a new measurement period.

### 5.4. Overload Warning

The device is equipped with an overload warning feature. If the power consumption of the connected appliance exceeds the maximum limit of 3600W, the display will show an overload alert. Immediately disconnect the appliance causing the overload to prevent damage to the meter or the appliance.

## 6. MAINTENANCE

- Clean the exterior of the device with a dry, soft cloth. Do not use liquid cleaners, solvents, or abrasive materials.
- Store the device in a dry, dust-free environment away from direct sunlight and extreme temperatures when not in use.
- Ensure the plug and socket are free from dust and debris before connecting.

## 7. TROUBLESHOOTING

If you encounter issues with your LogiLink EM0002B, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display/Device not powering on	Device not properly plugged in; Wall outlet not live	Ensure the meter is securely plugged into a functional wall outlet. Test the outlet with another device.
Incorrect or no readings	Appliance not properly connected; Appliance not drawing power	Verify the appliance is securely plugged into the meter's socket and is turned on.
Cost calculation is wrong	Incorrect energy tariff set	Re-enter your electricity tariff using the SET button as described in Section 5.2.
Overload warning displayed	Connected appliance exceeds 3600W	Immediately disconnect the appliance. Do not connect appliances that exceed the maximum load.
Data loss after power interruption	Prolonged power outage; Device malfunction	The device has automatic data saving. If data is consistently lost, contact support.

## 8. SPECIFICATIONS

Technical specifications for the LogiLink EM0002B Energy Cost Meter:

- **Model:** EM0002B
- **Nominal Voltage:** 230 V AC 50 Hz
- **Maximum Load:** 3600 W
- **Protection Class:** IP20 (Indoor use only)
- **Measurement Accuracy:**  $\pm 1\%$
- **Dimensions:** 5.7 x 7.63 x 10.8 cm
- **Weight:** 108 g
- **Data Storage:** Automatic save on power interruption
- **Display:** Large LCD, showing Watt, Voltage, Consumption, Energy Cost, Overload Warning

## 9. WARRANTY

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LogiLink products are covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official LogiLink website for detailed warranty terms and conditions specific to your region.

## 10. SUPPORT

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For technical assistance, product inquiries, or further support, please contact LogiLink customer service. Contact information can typically be found on the product packaging, the official LogiLink website, or through your retailer.