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› [Piko 35020 G Scale Transformer 120V / 20V / 6A Instruction Manual](#)

## Piko 35020

# Piko 35020 G Scale Transformer Instruction Manual

Model: 35020

## 1. INTRODUCTION

Thank you for purchasing the Piko 35020 G Scale Transformer. This device is designed to provide a stable power supply for your G Scale model train layout. Please read this manual carefully before operating the transformer to ensure safe and efficient use. Keep this manual for future reference.

## 2. SAFETY INSTRUCTIONS

### **WARNING: ELECTRIC SHOCK HAZARD. READ ALL INSTRUCTIONS BEFORE USE.**

- This transformer is designed for indoor use only. Do not expose to rain or moisture.
- Ensure the input voltage of your power outlet matches the transformer's specified input (120V AC).
- Do not overload the transformer. The maximum output is 20V DC at 6A. Exceeding this limit can cause damage to the transformer and connected devices.
- Always disconnect the transformer from the power supply before making any connections or disconnections to your model train layout.
- Do not open the transformer casing. There are no user-serviceable parts inside. Opening the casing voids the warranty and poses an electric shock risk.
- Keep the transformer away from heat sources, direct sunlight, and flammable materials.
- Ensure adequate ventilation around the transformer during operation. Do not cover it.
- This product is not a toy. Recommended for ages 14 and up.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- Piko 35020 G Scale Transformer (1 unit)
- Instruction Manual (this document)

If any items are missing or damaged, please contact your retailer or Piko customer support.

## 4. SETUP

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Follow these steps to set up your Piko 35020 G Scale Transformer:

1. **Placement:** Place the transformer on a stable, flat, and non-flammable surface. Ensure there is sufficient space around it for ventilation.
2. **Power Connection:** Connect the transformer's power cord to a standard 120V AC wall outlet. Ensure the outlet is properly grounded.
3. **Layout Connection:** Connect the output terminals of the transformer to your G Scale model train track or accessory power input. Refer to your model train system's manual for specific wiring instructions. Ensure correct polarity if specified by your layout components.
4. **Verify Compatibility:** Double-check that all connected devices (locomotives, accessories) are compatible with the transformer's output of 20V DC and do not exceed the 6A current limit.

*Image: Diagram showing transformer connected to a power outlet and a G Scale track.*

*Description: This diagram illustrates the proper connection of the Piko 35020 transformer to a standard 120V AC wall outlet and to the G Scale model train track. The power cord is plugged into the wall, and the output terminals are connected to the track power input.*

## 5. OPERATING INSTRUCTIONS

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Once the transformer is properly set up and connected, follow these steps for operation:

1. **Power On:** Plug the transformer into the wall outlet. The transformer is designed for continuous operation within its specified limits.
2. **Control Output:** The Piko 35020 provides a fixed 20V DC output. Control of train speed and direction should be managed by your G Scale control system, not directly by the transformer.
3. **Monitoring:** Observe your model train layout for proper function. If you notice any unusual smells, sounds, or excessive heat from the transformer or connected components, immediately disconnect the power.
4. **Power Off:** To turn off the power to your layout, simply unplug the transformer from the wall outlet.

## 6. MAINTENANCE

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The Piko 35020 G Scale Transformer requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Periodically wipe the exterior of the transformer with a soft, dry cloth. Do not use liquid cleaners or solvents. Ensure the transformer is unplugged before cleaning.
- **Storage:** When not in use for extended periods, store the transformer in a dry, dust-free environment, away from extreme temperatures.
- **No User Serviceable Parts:** As mentioned in the safety instructions, do not attempt to open or repair the transformer. Refer all servicing to qualified personnel.

## 7. TROUBLESHOOTING

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If you encounter issues with your Piko 35020 Transformer, refer to the following common problems and solutions:

- **No Power Output:**
  - Check if the transformer is securely plugged into a working 120V AC outlet.

- Verify that the wall outlet itself is functional by plugging in another device.
- Inspect the power cord for any visible damage.

- **Overheating:**

- Ensure the transformer has adequate ventilation and is not covered.
- Check if the total current draw of your connected devices exceeds the 6A limit. Disconnect some devices if necessary.

- **Intermittent Power:**

- Check all connections to the track and accessories for looseness or corrosion.
- Ensure the power cord is firmly seated in both the transformer and the wall outlet.

If the problem persists after attempting these troubleshooting steps, discontinue use and contact Piko customer support or your retailer.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	35020
Input Voltage	120V AC
Output Voltage	20V DC
Output Current	6A (Maximum)
Brand	Piko
Manufacturer	Piko
Recommended Age	14 years and up

## 9. WARRANTY AND SUPPORT

Piko products are manufactured to high-quality standards. This product comes with a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or inquiries about your Piko 35020 Transformer, please contact your authorized Piko retailer or visit the official Piko website for customer service contact information.

Please note that damage resulting from improper use, unauthorized modifications, or failure to follow the instructions in this manual will void the warranty.