

Piko 55271

Piko 55271 Electric Switch Drive Instruction Manual

INTRODUCTION

The Piko 55271 Electric Switch Drive is an accessory designed for use with PIKO A-track model railway systems. This component allows for the remote control of track switches, enabling changes in train direction on your model layout. It is engineered for reliability and ease of integration with existing PIKO A-track elements.

The PIKO A-track system features a precise geometry based on a 470 mm module, allowing for flexible track layouts without the need for small compensation pieces. The track profile is constructed from a high-quality nickel silver alloy, ensuring excellent electrical conductivity over long distances. Thresholds are made from durable ABS plastic, known for its impact resistance and sound-dampening properties.

Key features of the Piko 55271 Electric Switch Drive include:

- New in manufacturer packaging.
- Realistic Detail.
- Robust materials.
- Original packaging.
- Scale Miniature for Model Trains and Dioramas.



Figure 1: Piko 55271 Electric Switch Drive product box.

SETUP AND INSTALLATION

To install the Piko 55271 Electric Switch Drive, follow these steps:

1. **Prepare the Switch:** Ensure the model railway switch (turnout) where the drive will be installed is clean and free of debris.
2. **Connect the Switch Drive to the Track:** The electric switch drive is designed to integrate directly with PIKO A-track switches. Position the drive unit alongside the switch mechanism. It typically clips or slides into place underneath or beside the switch, aligning with the moving parts of the switch points.
3. **Wire Connection:** The drive unit comes with electrical wires (typically red and black). These wires need to be connected to a suitable power source and control unit for your model railway system. Refer to your model railway's electrical system manual for specific wiring diagrams and power requirements. The drive is designed for low current consumption.
4. **Test Functionality:** Once connected, test the switch drive to ensure it operates smoothly and reliably, moving the switch points fully to both the left and right positions.



Figure 2: The Piko 55271 Electric Switch Drive unit with its connecting wires.



Figure 3: The electric switch drive installed on a section of model train track.



Figure 4: An alternative view of the electric switch drive installed on a model train track.

OPERATING INSTRUCTIONS

The Piko 55271 Electric Switch Drive allows you to change the direction of a train on a model railway track. Once properly installed and connected to your control system, operate it as follows:

1. **Control Input:** Use the corresponding switch or button on your model railway control panel that is

wired to the Piko 55271 drive.

2. **Select Direction:** Activate the control to move the switch points to the desired direction (Left or Right). The electric drive will mechanically shift the track points, allowing the train to proceed along the selected path.

MAINTENANCE

The Piko 55271 Electric Switch Drive is designed for durability and requires minimal maintenance. To ensure optimal performance:

- Keep the drive mechanism and surrounding track area clean from dust, debris, and loose model scenery materials.
- Periodically check electrical connections to ensure they remain secure.
- Avoid applying excessive force to the switch points manually, as this can damage the internal mechanism of the electric drive.

TROUBLESHOOTING

If the Piko 55271 Electric Switch Drive does not operate as expected, consider the following:

- **No Movement:** Check all electrical connections from the control panel to the switch drive. Ensure power is supplied to the control panel and the drive. Verify that wires are correctly connected and not loose or broken.
- **Partial Movement:** Inspect the switch points and the drive mechanism for any obstructions (e.g., debris, loose ballast) that might be preventing full movement. Ensure the drive is securely attached to the switch.
- **Incorrect Direction:** Confirm that the wiring to your control panel corresponds to the desired left/right movement.

If issues persist, consult the manual for your specific model railway control system or contact Piko customer support.

SPECIFICATIONS

Specification	Detail
Brand Name	Piko
Model Number	55271
Manufacturer Part Number	55271
Material Type	Plastic
Item Weight	18 Grams
Item Dimensions (L x W x H)	3.78 x 2.2 x 0.63 inches
Color	Multiple
Operation Mode	Manual (controlled by external switch)
Power Source	Battery (external, type not specified)

Assembly Required	No (installation required)
Recommended Age Range	Adult (Manufacturer Minimum Age: 72 months)

WARRANTY AND SUPPORT

Specific warranty information for the Piko 55271 Electric Switch Drive is not provided in this document. For details regarding warranty coverage, duration, and claims, please refer to the documentation included with your purchase or contact the retailer or manufacturer directly.

For technical support or further assistance, please visit the official Piko website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.