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## Roco 73729

# Roco 73729 H0 1/87 Diesel Locomotive Instruction Manual

Model: 73729 | Brand: Roco

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## 1. INTRODUCTION

This manual provides essential instructions for the safe and proper operation, setup, and maintenance of your Roco 73729 H0 1/87 Diesel Locomotive. Please read this manual thoroughly before using the model to ensure optimal performance and longevity.

The Roco 73729 is a detailed H0 scale (1:87) model of a Series 218 diesel locomotive, designed for use on DC power systems and equipped with a DCC digital decoder and PluX22 interface.

## 2. SAFETY INSTRUCTIONS

- Adult Supervision:** This product is not a toy and is intended for adult collectors. Keep out of reach of small children due to small parts.
- Power Supply:** Only use the locomotive with a suitable DC power supply or a DCC-compatible digital control system. Ensure the power supply voltage matches the locomotive's requirements.
- Handling:** Always handle the locomotive with care. Avoid dropping or applying excessive force, which can damage delicate components.
- Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Avoid liquids or abrasive cleaners.
- Ventilation:** Ensure adequate ventilation around the power supply and control unit during operation.

## 3. PACKAGE CONTENTS

Verify that all the following items are present in your package:

- Roco 73729 H0 1/87 Diesel Locomotive (Series 218)
- Instruction Manual (this document)
- Small parts bag (if applicable, for user-installable details)



Image 1: Roco 73729 H0 1/87 Diesel Locomotive. This image shows the detailed model of the Series 218 diesel locomotive.

## 4. SETUP

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### 4.1 Unpacking

Carefully remove the locomotive from its packaging. Retain the original packaging for future storage or transport.

### 4.2 Track Placement

Place the locomotive gently onto a clean H0 scale track. Ensure all wheels are correctly seated on the rails.

### 4.3 Power Connection (DC Operation)

For analog DC operation, connect your DC power pack to the track as per the power pack's instructions. Ensure the power pack is set to DC output.

### 4.4 Digital Decoder (DCC Operation)

The Roco 73729 is equipped with a DCC digital decoder and a PluX22 electrical interface. For digital operation, connect your DCC command station to the track. The locomotive should be automatically recognized or can be addressed using its default DCC address (typically 3). Refer to your DCC command station's manual for specific programming and control instructions.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Movement

**Analog DC:** Gradually increase the voltage on your DC power pack to start the locomotive moving. Adjust the direction switch on your power pack for forward or reverse movement.

**Digital DCC:** Use your DCC command station to select the locomotive's address. Use the throttle to control speed and the direction button for forward/reverse.

### 5.2 Lighting Functions

The locomotive features directional lighting:

- **Front Lights:** Three white headlights illuminate in the direction of travel.
- **Rear Lights:** Two red taillights illuminate at the rear, opposite the direction of travel.
- **Light Change:** The lights automatically switch from white (front) to red (rear) depending on the direction of travel.

- **LED Top Illumination:** The model includes LED top illumination for enhanced realism.

*Note:* In DCC operation, specific function buttons on your command station may control additional lighting features or dimming, if available.

## 5.3 Sound Functions

This model is equipped with sound capabilities. In DCC operation, various sound functions (e.g., engine start-up, horn, brakes) can be activated using the function buttons on your DCC command station. Refer to your DCC system's manual and the locomotive's specific function mapping for details.

## 5.4 Coupling

The locomotive features a NEM 362 coupler pocket with KK-Kinematik (close coupling mechanism). This allows for easy attachment of rolling stock equipped with compatible couplers. Gently push rolling stock together until the couplers engage.

# 6. MAINTENANCE

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## 6.1 Cleaning

Regularly clean the locomotive's wheels and track to ensure good electrical contact and smooth operation. Use a soft, lint-free cloth. For stubborn dirt on wheels, a specialized model train cleaning fluid can be used sparingly on a cotton swab. **Always disconnect power before cleaning.**

## 6.2 Lubrication

Periodically, the moving parts of the locomotive, such as the motor bearings and gear train, may require lubrication. Use only specialized model train lubricant. Apply a very small amount to designated lubrication points as indicated in the detailed technical diagram (if provided separately) or by a qualified service technician. *Over-lubrication can attract dust and hinder performance.*

## 6.3 Friction Tires

The locomotive is equipped with two friction tires on its driven axles to improve traction. These tires are subject to wear and should be inspected periodically. If traction decreases, replace the friction tires with genuine Roco spare parts (Art.-No. 73729 replacement tires). Refer to a technical diagram for replacement instructions or consult a service center.

# 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Locomotive does not move.	No power to track; dirty track/wheels; faulty wiring; incorrect DCC address.	Check power supply and connections. Clean track and wheels. Verify DCC address.
Lights are not working.	No power; damaged LEDs; incorrect function setting (DCC).	Check power. Verify DCC function settings. Contact service if LEDs are damaged.
Sound functions are not working.	Incorrect DCC function setting; speaker issue; decoder fault.	Verify DCC function settings. Ensure speaker connections are secure.
Poor traction.	Worn friction tires; dirty wheels/track.	Clean wheels and track. Replace worn friction tires.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact Roco customer support or an authorized service center.

## 8. SPECIFICATIONS

Feature	Detail
<b>Manufacturer</b>	Roco
<b>Model Number</b>	73729
<b>EAN</b>	9005033737290
<b>Gauge</b>	H0 (1:87)
<b>Railway Company</b>	DB AG
<b>Era Designation</b>	VI
<b>Power System</b>	DC
<b>Digital Decoder</b>	DCC
<b>Digital Interface</b>	PluX22
<b>Motor Type</b>	5-pole motor
<b>Flywheel Mass</b>	Yes
<b>Driven Axles</b>	4
<b>Friction Tyres</b>	2 pcs.
<b>Length over Buffer</b>	189 mm
<b>Coupler</b>	NEM 362 with KK-Kinematik
<b>Headlights</b>	3-point directional white
<b>Rear Lights</b>	2-point directional red
<b>Light Change</b>	White-red, directional
<b>LED Top Illumination</b>	Yes
<b>Sound</b>	Yes
<b>First Available</b>	2016/09/25

## 9. WARRANTY AND SUPPORT

Roco products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Roco website. For technical support, spare parts, or service inquiries, please contact your local Roco dealer or the Roco customer service department.

**Roco Official Website:** [www.roco.cc](http://www.roco.cc)

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