

Fleischmann 9115

Fleischmann Track with Input Switching Contact - Model 9115 User Manual

Model: 9115 | Brand: Fleischmann

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Fleischmann Track with Input Switching Contact, Model 9115. Please read this manual thoroughly before use to ensure safe and optimal performance.

The Fleischmann Track with Input Switching Contact is designed for model railway systems, specifically for triggering switching pulses using magnets.

2. PRODUCT OVERVIEW

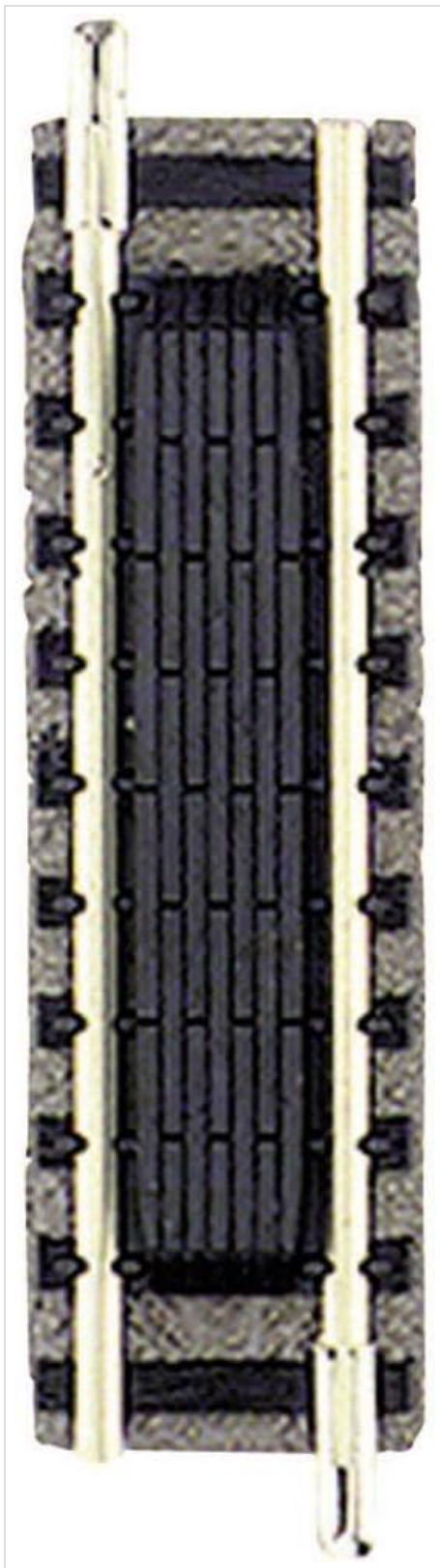


Figure 2.1: The Fleischmann Track with Input Switching Contact, showing its compact design and rail structure. This track segment is 55.5mm in length and integrates a mechanism for triggering electrical pulses.

FLEISCHMANN

Figure 2.2: The official Fleischmann brand logo, identifying the manufacturer of this model railway component. The track segment has a length of 55.5mm. It is designed to integrate seamlessly into existing model railway layouts. The primary function is to generate switching pulses, which are activated by magnets passing over the track.

3. SPECIFICATIONS

Feature	Detail
Model Number	9115
Brand	Fleischmann
Track Length	55.5 mm
Power System Compatibility	DC (Direct Current)
Max Switching Pulse Current	800 mA
Trigger Mechanism	Magnets
Item Weight	2.2 pounds (approx. 1 kg)
Recommended Age	8 years and up

4. SETUP AND INSTALLATION

Follow these steps to properly integrate the track with input switching contact into your model railway layout:

- Preparation:** Ensure your model railway layout is stable and clean. Identify the precise location where the switching track segment is required.
- Integration:** Carefully connect the Fleischmann Track with Input Switching Contact (Model 9115) to adjacent track segments. Ensure the rail connectors are firmly seated and the track is level.
- Wiring:** Connect the necessary wiring from the switching contact to your control unit or accessory that requires the pulse signal. Refer to your overall layout's wiring diagram for specific connections. The track is designed for DC power systems.
- Testing:** Before full operation, manually pass a locomotive or rolling stock equipped with a magnet over the switching contact to verify that the pulse is triggered correctly.

***Note:** Ensure all power is disconnected from the railway system before performing any installation or wiring work.*

5. OPERATION

The Fleischmann Track with Input Switching Contact operates by detecting the presence of a magnet on passing rolling stock or locomotives. When a magnet passes over the designated area of the track, it triggers an electrical pulse.

- Triggering Pulses:** The switching pulses (maximum 800 mA) are automatically triggered when a magnet attached to a train car or locomotive passes over the track segment.
- Applications:** This pulse can be used to activate various accessories on your layout, such as signals, level crossing barriers, or other automated functions.
- Magnet Placement:** For reliable operation, ensure that the magnets on your rolling stock are correctly positioned and strong enough to activate the switching contact.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your track segment:

- **Cleaning:** Keep the track surface and the area around the switching contact clean from dust, debris, and oil. Use a soft, lint-free cloth. Avoid abrasive cleaners.
- **Inspection:** Periodically inspect the track for any signs of damage, loose connections, or wear. Ensure the rails are free of corrosion.
- **Storage:** If storing the track segment, keep it in a dry, dust-free environment away from extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Switching pulse not triggered.	Magnet not present or incorrectly positioned on rolling stock. Track contact dirty or obstructed. Wiring issue.	Ensure rolling stock has a magnet and it passes directly over the contact point. Clean the track and contact area thoroughly. Check all wiring connections to the control unit.
Intermittent triggering.	Weak magnet. Loose track connection. Dust or debris on contact.	Replace or strengthen the magnet on the rolling stock. Securely connect track segments. Clean the track and contact area.
Accessory not responding to pulse.	Accessory wiring issue. Accessory malfunction. Pulse current too low for accessory.	Check wiring to the accessory. Test the accessory independently. Verify the accessory's current requirements and ensure the track's 800mA pulse is sufficient.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Fleischmann Track with Input Switching Contact (Model 9115), please refer to the official Fleischmann website or contact your authorized dealer.

Keep your purchase receipt as proof of purchase for any warranty claims.

