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Viessmann 5550

Viessmann 5550 Universal Switch

Instruction Manual

PRODUCT OVERVIEW

The Viessmann 5550 Universal Switch is designed for comfortable switching of various elements using continuous current, such as lights and signals in model railway layouts. This versatile unit features four individual on-off switches. It can also be configured as a set of two double-pole switches by utilizing the included couplings. Each contact has a rating of 2 Amperes.

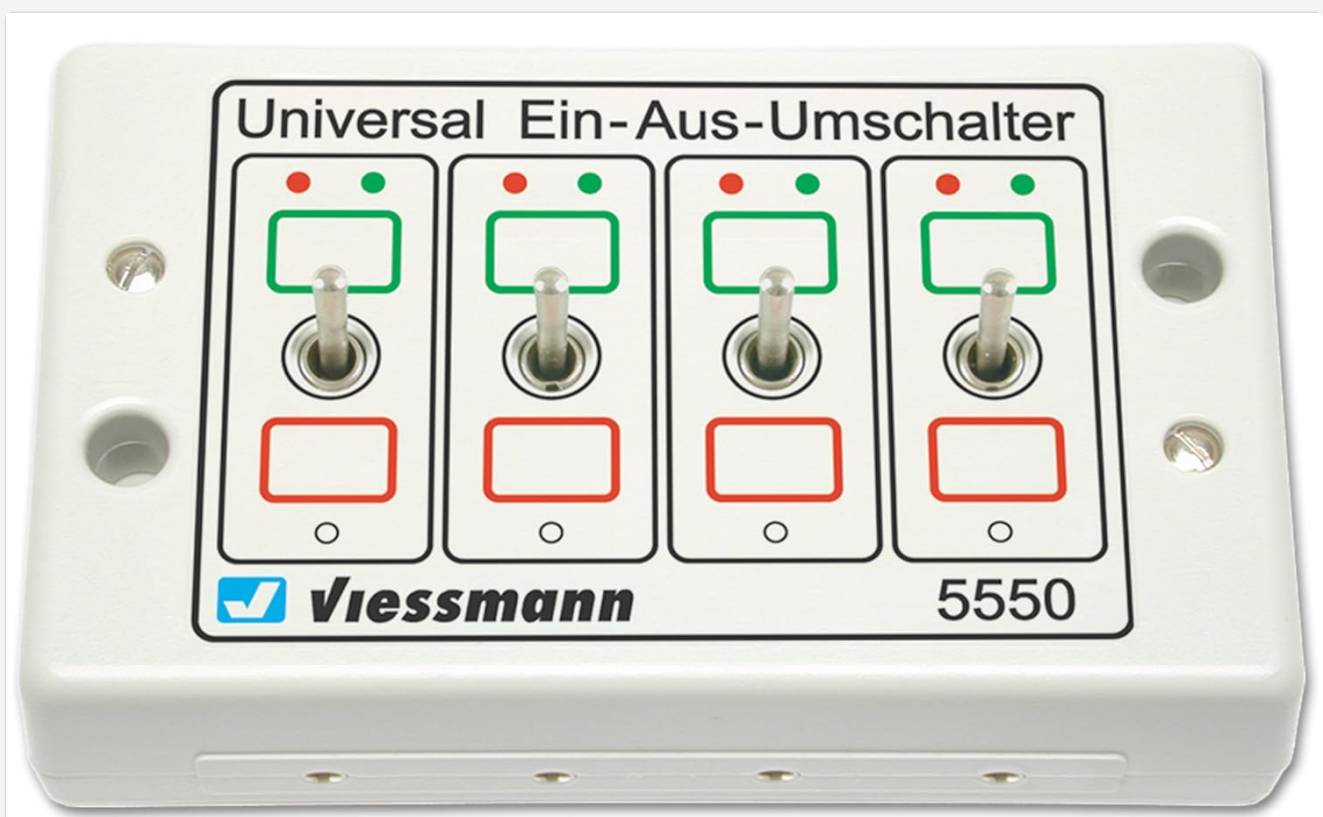


Image: The Viessmann 5550 Universal Switch, a white rectangular unit featuring four individual toggle switches. Each switch has a red and green indicator light above it, and a small circle below. The unit is labeled "Universal Ein-Aus-Umschalter" at the top and "Viessmann 5550" at the bottom. It is designed for panel mounting with screw holes on the sides.

SAFETY INFORMATION

WARNING: This product is not a toy. Not suitable for children under 14 years of age.

Always ensure power is disconnected before installation or maintenance. Refer to local electrical codes and regulations for proper installation procedures. Do not exceed the specified contact rating of 2 Amperes.

SETUP AND INSTALLATION

The Viessmann 5550 Universal Switch is designed for panel mounting. Follow these steps for proper installation:

1. **Prepare Mounting Surface:** Identify a suitable location on your control panel or layout. Ensure there is enough space behind the panel for wiring connections.
2. **Cut Opening:** Carefully cut an opening in the panel that matches the dimensions of the switch unit. Refer to the product's physical dimensions for precise measurements.
3. **Secure the Unit:** Insert the switch unit into the prepared opening. Use appropriate screws (not included) to secure the unit to the panel through the mounting holes on the sides.
4. **Wiring Connections:** Connect your continuous current sources and loads to the screw terminals on the rear of the switch. Each switch has terminals for input and output. Ensure correct polarity if applicable to your application.
5. **Double-Pole Configuration (Optional):** If using as two double-pole switches, utilize the included couplings to link two adjacent single switches. Refer to the wiring diagram for this specific configuration.
6. **Test Connections:** Before applying full power, double-check all wiring connections for security and correctness.

OPERATING INSTRUCTIONS

The Viessmann 5550 features four independent toggle switches, each controlling a separate circuit. Operation is straightforward:

- **Single Switch Operation:** Move the toggle lever of any switch to the 'ON' position (typically indicated by the green light or upward position) to activate the connected circuit. Move it to the 'OFF' position (red light or downward position) to deactivate the circuit.
- **Indicator Lights:** The red and green indicator lights above each switch provide visual feedback on the switch's state. Typically, green indicates 'ON' and red indicates 'OFF', or vice-versa depending on wiring and application.
- **Double-Pole Operation:** If configured as double-pole switches, moving one linked toggle lever will simultaneously switch both connected circuits.

MAINTENANCE

The Viessmann 5550 Universal Switch is designed for long-term, reliable operation with minimal maintenance. Follow these guidelines:

- **Cleaning:** Periodically wipe the surface of the switch unit with a soft, dry cloth to remove dust and dirt. Do not use abrasive cleaners or solvents.
- **Connection Check:** Occasionally inspect the screw terminals on the rear of the unit to ensure all wire connections remain secure. Loose connections can lead to intermittent operation or overheating.
- **Environmental Conditions:** Ensure the switch is operated within a dry environment and protected from excessive dust or moisture, which can affect its performance and lifespan.

TROUBLESHOOTING

If you encounter issues with your Viessmann 5550 Universal Switch, consider the following:

Problem	Possible Cause	Solution
Switch does not activate circuit.	No power to the switch; Loose wiring connection; Faulty load (e.g., bulb).	Check power supply; Verify all wire connections are secure; Test the connected load independently.
Indicator lights not working.	Incorrect wiring; Damaged indicator light.	Review wiring diagram for correct indicator light connections; If light is damaged, replacement may be necessary (contact support).
Switch feels loose or sticky.	Internal mechanism wear or foreign object.	Discontinue use and contact Viessmann support. Do not attempt to disassemble.

SPECIFICATIONS

- Model Number:** 5550
- Brand:** Viessmann
- Type:** Universal On-Off Switch
- Number of Switches:** 4 (can be configured as two double-pole switches)
- Contact Rating:** 2 Amperes (2 A)
- Operating Mode:** ON-OFF
- Contact Type:** Normally Open
- Connector Type:** Universal On/Off Switch
- Terminal Type:** Screw
- Material:** Plastic
- Circuit Type:** 2-way
- Mounting Type:** Panel Mount
- Recommended Age:** 14 years and up (Not a toy)

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Viessmann 5550 Universal Switch, please contact Viessmann customer service directly. Keep your purchase receipt as proof of purchase.

Viessmann Official Website: www.viessmann.com

Note: Spare parts availability information is not available for this product.



This manual provides instructions for the Viessmann 5550 Universal On-Off Switch, detailing its features, applications in model train layouts, connection diagrams, and technical specifications. It covers safe usage, correct product application, and package contents.


Comprehensive operation manual for the Viessmann 5550 Universal On-Off Switch, detailing its features, applications in model train layouts, connection instructions, and technical specifications. Includes safety guidelines and product usage information.

Comprehensive operation manual for the Viessmann 5549 Universal Push-Button Panel. This guide provides detailed instructions on installation, connection, technical specifications, and proper usage for model train enthusiasts.

Comprehensive operation manual for the Viessmann 8430 CAR motion magnetic tape. Provides detailed instructions on installation, safety precautions, product usage, and warranty information for model railway enthusiasts.

Operation manual for the Viessmann LED model with base socket (Ø 5.5 mm). This guide provides essential information on installation, connection, safety precautions, warranty, and technical specifications for model train enthusiasts.

Installation Instructions



Flue Condensate Drain

For use with Vitodens 100-W

Safety and Installation Requirements

Read the instructions carefully before installation. The instructions must be read and understood by the installer. The instructions must be read and understood by the installer. The instructions must be read and understood by the installer.

Approved Venting Materials

Material	Approved
Aluminum	Yes
Galvanized Steel	No
Stainless Steel	Yes
Copper	No

[Viessmann Flue Condensate Drain Installation Guide for Vitodens WB2B-80/105](#)

Official installation instructions and safety requirements for the Viessmann Flue Condensate Drain, compatible with Vitodens WB2B-80/105 boilers. Includes approved venting materials and installation steps.