

Witronics W-A-5487a-5ea

Witronics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse Instruction Manual

Model: W-A-5487a-5ea

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of the Witronics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse. This fuse is designed to protect electrical circuits from overcurrent conditions by interrupting the flow of electricity when a fault occurs. Its slow-blow characteristic allows for temporary overcurrents without tripping, making it suitable for circuits with inrush currents.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Always disconnect power before installing or replacing fuses. Only qualified personnel should perform electrical work.

- Ensure the power supply to the circuit is completely disconnected and verified before handling fuses.
- Never replace a fuse with one of a different voltage or amperage rating than specified for the circuit. Using an incorrect fuse can lead to fire, damage to equipment, or personal injury.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and insulated gloves, when working with electrical components.
- Do not bypass or attempt to repair a blown fuse. Always replace it with a new, correctly rated fuse.
- Keep fuses out of reach of children.

3. PRODUCT OVERVIEW AND SPECIFICATIONS

The Witronics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse is a time-delay fuse designed for reliable overcurrent protection. Its ceramic body provides excellent thermal and mechanical stability, while the axial leads facilitate soldering into circuit boards or terminal blocks.



This image displays a single Witonics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse. The fuse is cylindrical, made of ceramic, and features axial leads extending from both ends for soldering into a circuit board or terminal.

Key Specifications:

Specification	Value
Fuse Type	Axial Ceramic Fuse
Current Rating	15 Amps (15A)
Voltage Rating	250 Volts (250V)
Characteristic	Slow Blow (Time Delay)
Dimensions	6mm x 30mm (1/4 inch x 1-1/4 inch)
Material	Ceramic
Mounting Type	Axial Lead (for soldering)
Quantity	Pack of 5

4. INSTALLATION / SETUP

Follow these steps carefully to replace a fuse. If you are unsure about any step, consult a qualified electrician.

- Disconnect Power:** Locate the main power switch or circuit breaker for the equipment or circuit where the fuse is located. Turn off the power completely and verify with a voltage tester that no power is present.
- Access Fuse Location:** Open the equipment housing or fuse box to gain access to the fuse.
- Identify Blown Fuse:** Visually inspect the fuse. A blown ceramic fuse may show discoloration or a break in the internal element. For axial fuses, a multimeter can be used to check for continuity across the fuse. A blown

fuse will show infinite resistance (open circuit).

4. **Remove Old Fuse:** Carefully desolder the axial leads of the blown fuse from the circuit board or disconnect it from its terminals.
5. **Install New Fuse:** Insert the new Witonics T15A 250V 15 Amp Axial Ceramic Fuse into the designated position. Ensure the axial leads are correctly aligned.
6. **Solder Connections:** Securely solder the axial leads of the new fuse to the circuit board or connect them firmly to the terminals. Ensure good electrical contact and no cold solder joints.
7. **Reassemble:** Close the equipment housing or fuse box.
8. **Restore Power:** Turn the main power switch or circuit breaker back on.

5. OPERATION

Fuses are passive safety devices. Once installed, the Witonics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse operates automatically to protect the circuit. It will allow normal operating current to pass through. In the event of a sustained overcurrent or short circuit, the internal element of the fuse will melt, breaking the circuit and preventing damage to components or potential hazards.

6. MAINTENANCE

The Witonics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse is a maintenance-free component. Its primary function is to fail safely when an overcurrent condition occurs. No routine maintenance is required. If the fuse blows, it must be replaced according to the installation instructions provided in Section 4.

7. TROUBLESHOOTING

The main troubleshooting step for a fuse is to determine if it has blown and then replace it.

- **No Power to Device/Circuit:** If a device or circuit suddenly loses power, the first step is to check the fuse.
- **Identifying a Blown Fuse:** As mentioned in Section 4, visually inspect the fuse for signs of damage or use a multimeter to check for continuity. A reading of infinite resistance indicates a blown fuse.
- **Repeated Fuse Blowing:** If a new fuse blows immediately or shortly after replacement, it indicates an underlying electrical problem in the circuit, such as a short circuit, overload, or faulty component. Do not continue to replace fuses without addressing the root cause. Consult a qualified technician to diagnose and repair the issue.

8. WARRANTY INFORMATION

For specific warranty details regarding the Witonics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse, please refer to the product packaging or contact Witonics directly through their official website or customer service channels. Warranty terms typically cover manufacturing defects.

9. SUPPORT

If you have questions, require technical assistance, or need to report an issue with your Witonics T15A 250V 15 Amp Slow Blow Axial Ceramic Fuse, please contact the seller or manufacturer. Ensure you have your product model number (W-A-5487a-5ea) and purchase details available when seeking support.

You can typically find contact information on the product packaging or the Witonics official website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question