

Meshtec 5V0002EL0AL00B

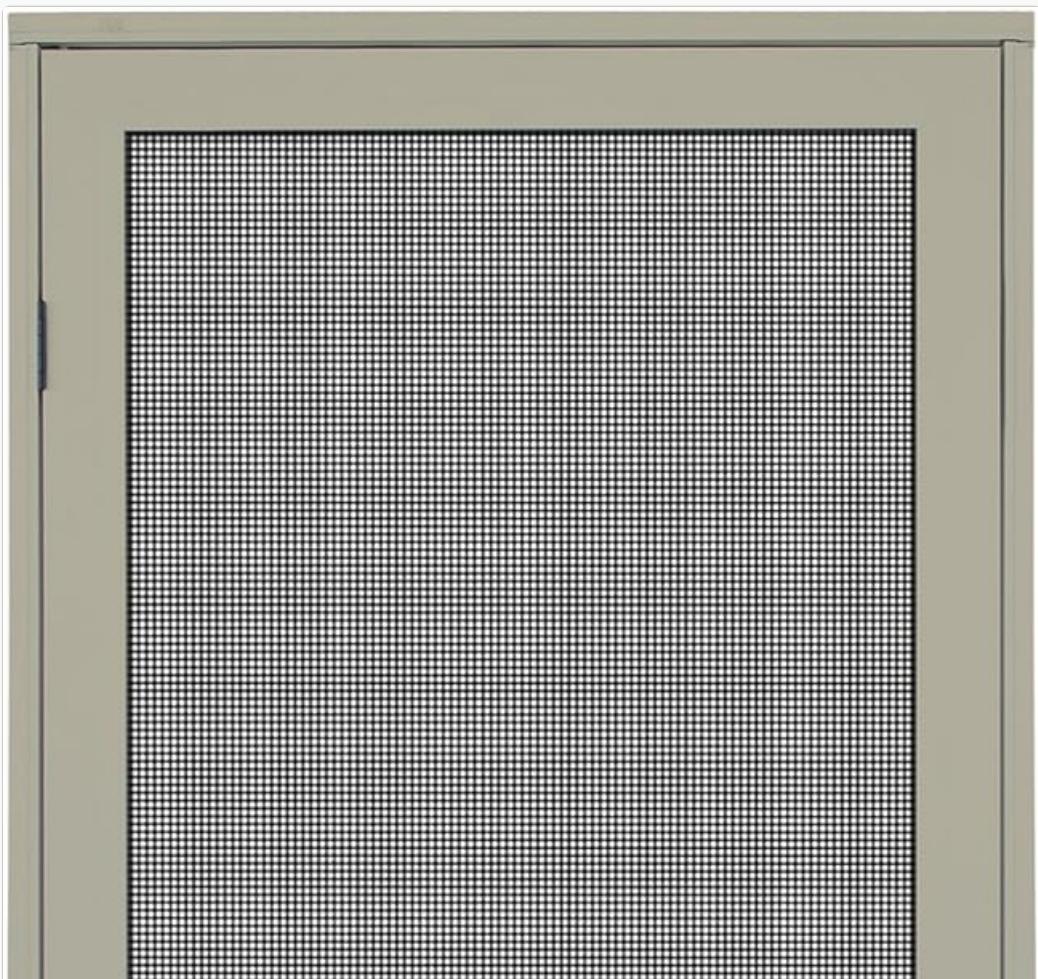
Titan Meshtec Ultimate Security Screen Door

MODEL: 5V0002EL0AL00B

Installation and Operation Manual

1. Introduction

Thank you for choosing the Titan Meshtec Ultimate Security Screen Door. This product is designed to provide enhanced security, ventilation, and a clear view for your entryway. It features a high tensile-strength stainless steel mesh screen, a robust aluminum frame, and a secure 3-point locking system. This manual provides essential information for the safe and correct installation, operation, and maintenance of your new security screen door.



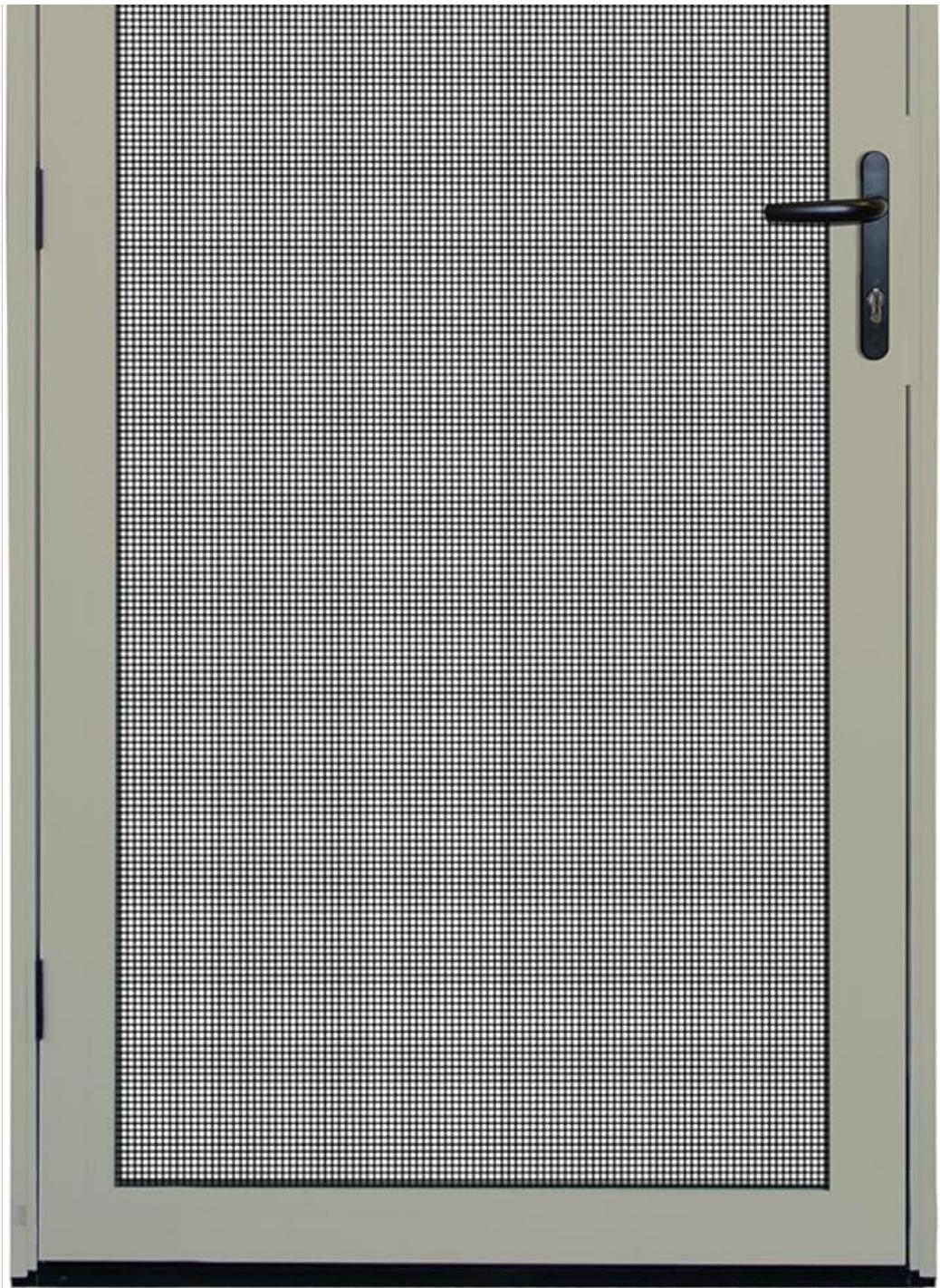


Figure 1.1: The Titan Meshtec Ultimate Security Screen Door in Almond. This image displays the full view design with the integrated Meshtec screen and handle assembly.

2. Safety Information

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in injury or damage to the product.

- Always wear appropriate personal protective equipment (PPE) during installation, including safety glasses and gloves.
- Ensure the installation area is clear of obstructions and well-lit.
- This door is heavy. It is recommended that two people handle the door during installation to prevent injury.
- Verify that all mounting screws are securely fastened into wall studs as specified in the installation instructions.
- Do not modify the door or its components. Unauthorized modifications may compromise the door's security.

features and void the warranty.

- Keep children and pets away from the installation area.

3. Package Contents

Verify that all components are present and undamaged before beginning installation. If any parts are missing or damaged, contact customer support immediately.

- Titan Meshtec Security Screen Door Frame (Aluminum)
- Meshtec Advanced Screen System (pre-installed)
- 3-Point Locking System (pre-installed)
- Door Handles and Hardware
- Mounting Screws and Security Snap Covers
- Installation Instructions (this manual)

4. Setup and Installation

The Titan Meshtec Security Screen Door is designed for surface mount installation. Professional installation is highly recommended to ensure proper function and security.

4.1 Pre-Installation Checks

- **Door Dimensions:** This door is designed to fit most standard 36 inch x 80 inch entry doors. The overall dimensions of the door including the frame are approximately 38.5 inches x 81.6 inches.
- **Mounting Surface:** The security door requires a minimum mounting surface of 1 inch on the trim above and on both sides of the existing entry door.
- **Stud Location:** Mounting screws must be secured to a stud in the wall for maximum security. Locate studs using a stud finder.
- **Build Out:** Some applications may require a build out to achieve the necessary mounting surface or clearance.
- **Door Handing:** The door is reversible for left or right-handing. Determine your desired swing direction before installation.

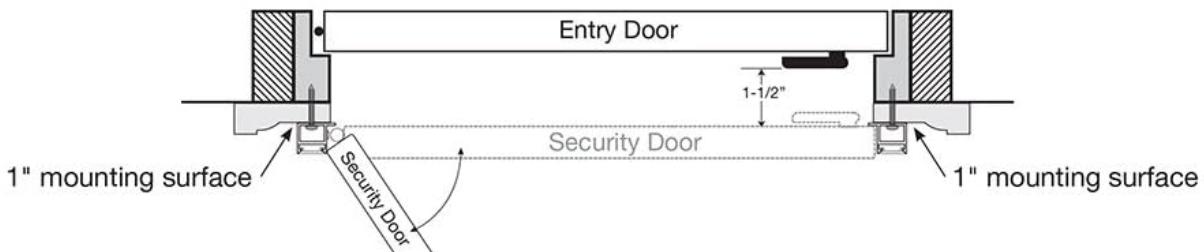
4.2 Surface Mount Diagram

DOOR MOUNTING METHOD



The security door will require a minimum mounting surface of 1" on the trim above and on both sides of the entry door. Mounting screws must be secured to a stud in the wall.

SURFACE MOUNT



Typical Surface Mount
The security door will be mounted on the **FRONT** surface of the existing trim.

Figure 4.1: Typical Surface Mount Installation. This diagram illustrates how the security door is mounted on the front surface of the existing trim, highlighting the required 1-inch mounting surface.

4.3 Installation Steps (Overview)

1. Prepare the entryway by ensuring the mounting surface is clean, level, and structurally sound.
2. Position the door frame against the entryway trim, ensuring proper alignment and clearance.
3. Secure the door frame to the wall studs using the provided mounting screws.
4. Install the security snap covers over the screw heads for a clean finish and added security.
5. Adjust the door hinges and strike plate as needed to ensure smooth operation and proper latching of the 3-point locking system.
6. Test the door's operation, including opening, closing, and locking mechanisms, to confirm correct installation.

For detailed, step-by-step installation instructions, please refer to the separate installation guide provided with your product or consult a qualified professional.

5. Operating Instructions

Your Titan Meshtec Security Screen Door is designed for ease of use while providing robust security.

5.1 Opening and Closing the Door

The door operates like a standard hinged door. Use the handle to open and close it. The Meshtec screen allows for full view and maximum airflow when the main entry door is open.



Figure 5.1: An installed Titan Meshtec Security Screen Door. This image shows the door integrated into a home's entryway, demonstrating its aesthetic appeal and full view capability.

5.2 Engaging the 3-Point Locking System

The door features a vault-style 3-point locking system for enhanced security. To lock the door:

1. Ensure the door is fully closed and latched.
2. Lift the door handle upwards. This action engages the multi-point locking bolts.
3. While the handle is lifted, turn the small nub (thumb turn or key cylinder) approximately three rotations to fully secure the locking bolts in place.

To unlock the door, turn the small nub in the opposite direction for three rotations, then push the handle downwards to disengage the locking bolts.

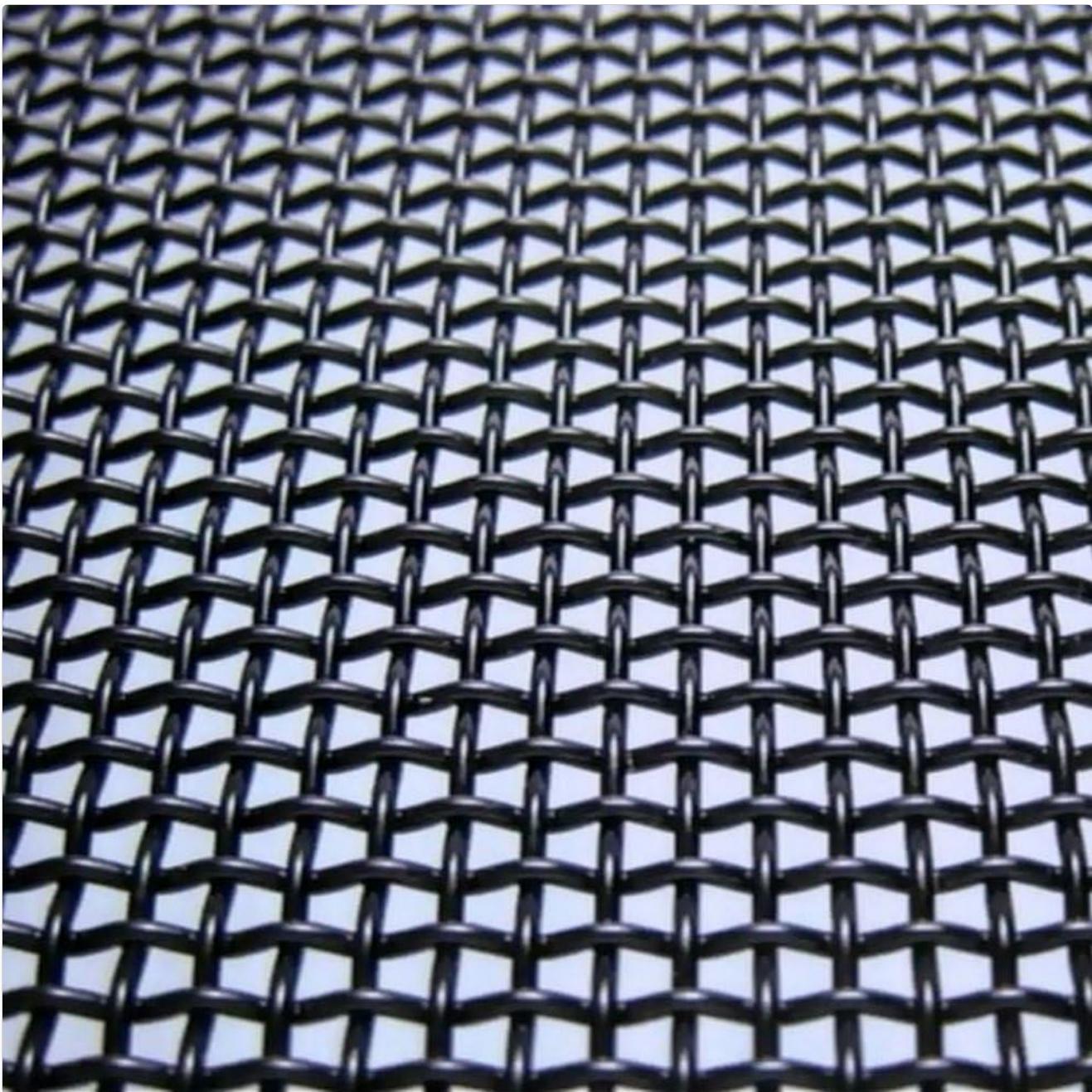


Figure 5.2: Close-up view of the Meshtec screen. This image highlights the high tensile-strength woven stainless steel mesh, designed for durability and security.

6. Maintenance

Regular maintenance will ensure the longevity and optimal performance of your security screen door.

- **Cleaning the Frame:** Clean the aluminum frame periodically with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the finish.
- **Cleaning the Meshtec Screen:** The stainless steel mesh can be cleaned with a soft brush or vacuum cleaner to remove dust and debris. For deeper cleaning, use a damp cloth with mild soap and water, then rinse with clean water and allow to air dry.
- **Lubrication:** Periodically lubricate the hinges and locking mechanism with a silicone-based lubricant to ensure smooth operation. Do not use oil-based lubricants as they can attract dirt.
- **Inspection:** Regularly inspect the screen for any signs of damage or loosening. Check all mounting screws and the locking system for proper function and tightness.
- **Pet Resistance:** The Meshtec screen is designed to resist scratching and clawing from pets. While highly

durable, inspect for any signs of wear if pets frequently interact with the screen.

7. Troubleshooting

If you encounter issues with your security screen door, refer to the following troubleshooting tips:

- **Door does not close or latch properly:**

- Check for obstructions in the door frame or sweep.
- Inspect hinges for damage or misalignment. Adjust if necessary.
- Verify the strike plate is correctly aligned with the latch.

- **Difficulty engaging/disengaging the 3-point lock:**

- Ensure the door is fully closed and flush with the frame before attempting to lock.
- Confirm the handle is lifted completely upwards when locking and pushed fully downwards when unlocking.
- Lubricate the locking mechanism as described in the Maintenance section.
- If the issue persists, the locking mechanism may require adjustment or professional inspection.

- **Screen appears loose or damaged:**

- The patented screen system is designed to keep the mesh flat and secure. If the screen appears loose, inspect the frame for any signs of damage or separation.
- Contact customer support for assistance if the screen is damaged or cannot be re-secured.

8. Specifications

Feature	Specification
Brand	Meshtec
Model Number	5V0002EL0AL00B
Color	Almond
Material	Aluminum (Frame), Stainless Steel (Mesh)
Style	Modern, Full View
Item Weight	39.4 Pounds
Product Dimensions (Overall)	1.7 x 38.5 x 81.6 inches
Door Size Compatibility	36 inches x 80 inches (standard entry doors)
Locking System	3-Point Vault Style
Mounting Type	Surface Mount
Assembly Required	No (pre-assembled door), Installation Required

9. Warranty Information

Specific warranty details for the Titan Meshtec Ultimate Security Screen Door are provided by the manufacturer.

Please consult the official Meshtec website or contact their customer support directly for comprehensive warranty terms, conditions, and registration procedures.

10. Support

For further assistance, technical support, or to inquire about replacement parts, please contact Titan Security Doors, the manufacturer of this product.

- **Manufacturer:** Titan Security Doors
- **Online Resources:** Visit the official Meshtec store or manufacturer's website for FAQs and additional product information.