GENERAL

besam unislide operation manual

Published: September 3, 2026 | Index ID: #-

Introduction

Besam Unislide is a premium sliding door system designed for residential, commercial, and industrial spaces. Its sleek design, reliable performance, and ease of use make it a popular choice for architects and homeowners alike. However, to get the most out of your Besam Unislide, you must understand how to properly operate and maintain it. This comprehensive guide serves as the **Besam Unislide operation manual**, offering step by step instructions, safety tips, maintenance procedures, and troubleshooting advice to keep your system running smoothly for years.

Overview of the Besam Unislide System

The Besam Unislide system combines a lightweight aluminum frame with a high strength, low friction sliding track. Its patented design allows for quiet, effortless movement and can support a wide range of panel materials—from frosted glass to solid wood. Key features include:

- Durable aluminum frame with corrosion resistant coating
- Low friction ball bearing track for smooth glide
- Integrated safety sensors to prevent collision
- Optional motorized operation for accessibility
- Customizable finish options to match interior décor

Understanding these components is essential before you dive into the installation and operation process.

System Components

Frame

The aluminum frame provides structural support and houses the sliding mechanism. It is designed to withstand environmental factors such as temperature fluctuations, humidity, and UV exposure.

Track

The track is a precision engineered channel that guides the door panel. It features ball bearings that reduce friction and extend the system’s lifespan.

Door Panel

The panel can be made of glass, wood, composite, or other materials. It is secured to the track via a series of rollers or brackets.

Control Module

For motorized installations, the control module manages power, speed, and safety interlocks. It can be wired to a building automation system or controlled via a remote.

Safety Sensors

These sensors detect obstacles and automatically stop the door, preventing injuries and damage.

Installation Overview

Proper installation is critical for optimal performance. The Besam Unislide operation manual outlines a systematic approach that includes pre installation checks, frame mounting, track alignment, panel attachment, and final testing.

1. Confirm that the installation location meets structural requirements.
2. Prepare the mounting surface and ensure it is level.
3. Mount the frame securely using the provided fasteners.
4. Install the track and verify proper alignment.
5. Attach the door panel and secure it to the track.
6. Connect the control module and test the system.

Detailed Installation Steps

Step 1: Site Preparation

Measure the opening dimensions accurately. Verify that the wall can support the weight of the frame and panel. Ensure the floor or floor plate is level to prevent uneven wear.

Step 2: Frame Mounting

Position the frame on the prepared surface. Use a spirit level to confirm vertical alignment. Secure the frame with the supplied screws and lock nuts. Tighten to the torque specifications indicated in the manual.

Step 3: Track Installation

Slide the track into the frame’s channel. Align the track’s top and bottom edges with the frame’s reference points. Use a rubber mallet to gently tap the track into place, avoiding damage.

Step 4: Panel Attachment

Attach the door panel to the track using the roller brackets. Ensure that each roller is seated correctly and that the panel can move freely. Verify that the panel’s weight distribution is even.

Step 5: Wiring and Control Module

For motorized units, run the power cable from the control module to the power source. Connect the control module to the track’s sensor wiring. Follow the wiring diagram carefully to avoid misconfiguration.

Step 6: System Testing

Power on the system and perform a full cycle of opening and closing. Observe for smooth operation, correct sensor response, and proper speed. Make any necessary adjustments to the track or control settings.

Operation Instructions

Manual Operation

To open or close the Besam Unislide manually, locate the handle at the top of the panel. Gently pull the handle upward to lift the panel onto the track. Release the handle to let the panel glide to the closed position. Repeat in reverse to open.

Motorized Operation

When using the motorized control module, operate the system via the remote, wall switch, or building automation interface. The motor will manage speed, stopping, and safety interlocks automatically.

Speed and Timing Settings

The control module allows for adjustment of opening and closing speeds. For residential applications, a moderate

speed ("H 50–60 cm/s) is recommended. For larger commercial panels, a slower speed ensures safety and reduces wear.

Safety Guidelines

Obstacle Detection

The Besam Unislide system incorporates sensors that detect obstacles and halt movement. Always verify that sensors are unobstructed and functioning before use.

Weight Limits

Do not exceed the maximum panel weight specified in the manual (typically 75 kg). Overloading can cause premature wear or system failure.

Emergency Stop

In the event of an emergency, use the manual stop button located near the control module. This will immediately halt the motor and release the panel.

Child and Pet Safety

Install child lock features if required. Keep pets away from the sliding path during operation.

Maintenance & Cleaning

Regular Inspection

Inspect the track, rollers, and sensors every three months. Look for debris, corrosion, or misalignment.

Cleaning Procedure

1. Turn off power to the motorized unit.
2. Use a soft brush or vacuum to remove dust from the track.
3. Wipe the panel with a damp microfiber cloth.
4. Apply a mild, non abrasive cleaner to the aluminum frame.

Lubrication

Apply a silicone based lubricant to the track’s ball bearings twice a year. Avoid oil based lubricants that attract dust.

Replacing Worn Parts

Replace rollers or brackets if they show signs of wear. Use only OEM parts to maintain performance standards.

Troubleshooting Common Issues

- Issue: Door does not slide smoothly. Solution: Check for obstructions in the track and clean thoroughly. Verify that rollers are correctly seated.
- Issue: Motor stops abruptly. Solution: Inspect safety sensors for blockage or misalignment. Reset the control module if necessary.
- Issue: Panel tilts during operation. Solution: Re align the track and ensure the panel’s weight is evenly distributed.
- Issue: Power loss during operation. Solution: Confirm that the power supply meets voltage specifications. Check for tripped breakers.

Frequently Asked Questions

Can the Besam Unislide be installed in high humidity environments?

Yes, the aluminum frame's corrosion resistant coating and sealed track design make it suitable for humid climates. Regular maintenance will keep it in optimal condition.

Is the system compatible with existing door frames?

Many Besam Unislide models are designed to retrofit onto standard door frames, but it is essential to verify compatibility with the specific model you plan to install.

How long does the warranty cover the motorized components?

The motor and control module are covered for up to five years, while the frame and track have a ten year warranty. Check your purchase documentation for exact terms.

Can I customize the panel material?

Absolutely. Besam offers a range of panel options, including glass, wood, and composite, which can be selected during the ordering process.

Accessories & Upgrades

Motorized Conversion Kits

Upgrade a manual system to motorized operation with a Besam motor kit. The kit includes a motor, control module, and wiring harness.

Child Lock Add Ons

Install a child lock to restrict panel movement. Ideal for households with small children or pets.

Enhanced Safety Sensors

Upgrade to infrared or laser sensors for improved obstacle detection, especially in busy commercial settings.

Custom Finishes

Choose from a variety of paint colors, anodized coatings, or powder coatings to match your interior design.

Warranty & Support

Besam provides a robust warranty covering manufacturing defects and performance issues. For support, contact the Besam customer service hotline or visit the official website for downloadable manuals, firmware updates, and troubleshooting guides.

Keep your installation records, including purchase receipts and service logs, as they may be required for warranty claims.

Conclusion

Mastering the **Besam Unislide operation manual**empowers you to install, operate, and maintain this advanced sliding door system with confidence. By following the detailed steps outlined above, you'll ensure smooth operation, extend the lifespan of your system, and keep your space safe and functional. Whether you're a homeowner, contractor, or facility manager, understanding the intricacies of the Besam Unislide system will help you achieve optimal performance and durability.

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