

MOD-101

Electric Sliding Step Set

USER & SAFETY MANUAL

English master | Draft for technical approval

Passenger operation • Safety instructions • Cleaning • Fault response

This document is intended for vehicle operators and passengers. Installation and electrical servicing must be carried out by qualified personnel using the separate installation manual.

DOCUMENT STATUS: REVIEW DRAFT — Do not publish as final until load rating and EMC certificate scope are verified.

1. Purpose and scope

The MODIFERO MOD-101 electric sliding step assists passenger entry to and exit from a stationary vehicle. This guide explains normal use, safety precautions, cleaning and actions to take if operation is abnormal. Keep it accessible to vehicle operators.

2. Product overview

- Electrical supply: 12 V DC.
- The step extends and retracts through an electronic control unit operated by the vehicle door switch.
- The same door-switch operating principle applies to MODIFERO electric step variants.
- The step has an aluminium body and a moving platform.
- There is **no anti-pinch sensor** and **no automatic obstacle detection or reversal function**.

3. Maximum permitted load

Maximum permitted load: 120 kg. This is the selected product rating, subject to final engineering verification for the installed configuration.

- Use the step only when fully extended, stationary and securely installed.
- Never exceed 120 kg; do not jump on the step or apply sudden impact loads.
- Do not use the platform for storage or place heavy equipment or concentrated loads on it.
- Do not stand on the step while it is moving.

4. Essential safety precautions

- Before operating the vehicle door, ensure the full step movement area is clear of people, feet, hands, pets and objects.
- Supervise children and anyone requiring assistance when boarding or exiting.
- Do not touch the mechanism, brackets or gaps while the step is moving.
- Do not try to halt, push or pull the moving step by hand.
- Do not use the step if loose, damaged, obstructed or moving abnormally.

WARNING: The step does not detect an obstruction and does not automatically reverse to prevent trapping. The operator must keep the operating area clear.

5. Normal operation

Opening the door: The door switch signals the electronic controller and the step extends automatically. Wait until the platform is fully extended and has stopped before stepping on it.

Closing the door: The door switch signals the controller and the step retracts automatically. Keep the area clear throughout retraction.

Before driving: Visually confirm that the step is completely retracted. Do not drive if it remains extended or its position is uncertain.

6. Safe boarding and exiting

- Park safely and ensure the vehicle is stationary before using the step.
- Check that the platform is fully deployed and clear of mud, ice and other slip hazards.
- Use a suitable handhold where available and step carefully onto the platform.
- Do not jump or use the platform while it is in motion.

7. Cleaning and visual inspection

No fixed manufacturer-approved maintenance interval has been established. Clean and visually inspect the step according to use and environmental conditions.

- Use water, mild soap or ordinary cleaning products explicitly suitable for aluminium.
- Avoid corrosive, strongly acidic or alkaline cleaners, abrasive compounds and tools that could damage aluminium.
- Remove mud, sand, snow, ice and debris from the platform and visible moving areas without reaching into the mechanism.
- Avoid directing high-pressure water at the electronic controller, wiring connectors or motor connections.
- Check visually for damage, looseness, corrosion at fittings or unusual movement. Arrange professional inspection if any issue is found.

8. Malfunctions and emergency situations

The system has **no dedicated manual emergency extension or retraction procedure** for users.

- If the step fails to extend or retract, stop using it and keep people clear.
- Do not force the platform or attempt to repair, disconnect or energize the mechanism yourself.
- If the step is extended, do not drive the vehicle. Seek assistance from a qualified installer or service provider.
- Electrical and mechanical troubleshooting must be performed by qualified personnel with the installation documentation.

9. Technical and compliance information

- Operating electrical system: 12 V DC.
- The installation documentation specifies a 16 A fuse for the control-unit supply. Fuse selection and electrical work are installer responsibilities.
- The electronic system has EMC certification. The certificate reference, applicable standard and exact certified scope must be checked before making any specific regulatory claim.
- EMC certification of electronics does not, by itself, establish certification of the complete step installation or vehicle.

10. Quick safety checklist

- Vehicle safely stationary before boarding or exiting.
- Step fully extended and stopped before loading.
- No people or objects in the mechanism travel area.
- Platform clean and free of slipping hazards.
- Load does not exceed 120 kg.
- Step fully retracted before vehicle movement.

11. Documentation and support

For mounting, electrical wiring and professional troubleshooting, refer to the separate *MOD-101 Electric Sliding Step Set — Installation Manual* and the dedicated wiring diagram. Contact your installer or MODIFERO support if operation is abnormal.

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Editorial note: The declared 120 kg load and the wording of the EMC claim require approval against supporting technical evidence before release.