



Ventilation & Sun Control

User Manual

Duco**Slide**

1. Function

Slidable solar shading hatch for external use was specially designed to protect against the sun, in order to realise an optimum interior climate. Depending on the chosen type of louvre there are different values for light transparency and heat resistance. The hatch has been made slidable (manual or electric)

2. Conditions of use

- Temp. : withstands normal environmental temperatures (-25°C to +60°C)
Do not use the solar shading in frosty conditions.
- Humidity: resistant to 100% humidity (rain)
Do NOT use high-pressure hose.
- Snow: DucoSlide products (installed in a vertical plane)
can withstand normal snow load.
- Impact resistance: DucoSlide products are resistant to impacts as prescribed in EN13330
- Wind: Do not use the solar shading with wind speeds greater than 60 km/hour.
Resistant to wind loads up to class 6 on the condition that the maximum span between two points is not exceeded.
(maximum span is calculated for each specific project by Duco Projects)
- Obstacles : When moving the solar shading there must be no obstacles that may hinder the movement.
(Make sure that no branches or leaves fall onto the rail)
- Power supply : With electric operation 230V AC,50 Hz

**FOR YOUR SAFETY IT IS IMPORTANT THAT THE ATTACHED INSTRUCTIONS ARE FOLLOWED.
KEEP THESE INSTRUCTIONS.**

3. Safety measures

Mechanical

- It is important that the system is used only for the functions for which it is intended.
- Never stand or climb on the system.
- Always remain attentive during the installation and maintenance of the product.
- Carry out maintenance on the system at regular times and only use original replacement parts from the manufacturer.
- Clean the system at regular times.
- Never put your hand in moving parts

Electrical (if applicable)

- Avoid electrocution during maintenance by placing a card or isolating switch near the system (disconnect the system from the power supply during inspection)
With automatic operation the general switchboard of a switch would have to be secured with key protection.
- In the event of successive operations the motor can become overheated. The internal thermal protection will make the system temporarily inoperable.
- Do NOT allow children to play with the control
- Regularly inspect the cables for damage
- Changes to the electrical part can only be carried out after approval of the manufacturer.

4. Installation

4.1 Opening the packaging

- During storage and transport the system was protected by solid packaging
- Storage must always be under dry conditions
- Transport and handling must be carried out with the necessary care
- Check to see if there is any major damage to the packaging
- Open the packaging with the necessary care
- When using sharp objects ensure that the paint is not damaged
- Take the system out of the packaging with the necessary care

4.2 Installing the system

See the installation instructions on the website
It is recommended that any hoisting, lifting and installation activities are carried out using several people.

4.3 Electrical connection (if applicable)

See assembly instructions

4.4 Commissioning

Check whether the necessary fastenings are in good condition in accordance with the installation instructions
Check whether the electrical connections are in good condition and whether any cables can turn in the system.
(if applicable)

Let the slides open and close once. (Adjust if necessary)

5. Use and maintenance

5.1 Correct operation

With electrical operation:

- Set the switch to neutral if the motor starts to make an abnormally loud noise. Consult the installer if you cannot find out the cause yourself.
- If the final adjustment of the motor is no longer sufficient (e.g. if the slides do not fit completely against one another), do not touch the engine and consult your installer.
- If your solar shading is under automatic control, it is advisable to set the machine to manual under the following conditions:
 - Operating under freezing conditions can cause damage
 - If you are away from home for a long period of time.

With manual operation:

- Always use normal physical force. Do not make any abrupt movements and do not continue to operate if the end limit has been reached. Only use force in the direction the panels slide.
- If the system runs stiffly and something is wrong, you should consult the installer.

5.2 Maintenance

The system requires little maintenance, but due to the guarantee conditions and to ensure you can use your system for many years, we prescribe the following:

- At least 2 times per year, or 4 times per year if in an area with aggressive atmospheric conditions, or if there are non-spraying parts: the proof of cleaning must always be able to be submitted in connection with the guarantee of the surface treatment of the product.
- Before cleaning, first remove loose dirt using a soft brush or vacuum cleaner. Afterwards you can remove the rest of the dirt with a cleaning agent and warm water (special cleaning products are available from the installer). Always rinse after cleaning.
- Avoid cleaning in direct sunlight: if water with surfactants dries quickly it can leave stains behind. Never use solvents such as petrol, acetone, etc., nor strongly alkaline or acidic products, nor aggressive abrasives such as sandpaper, scouring sponges etc.
- Hinged or moving parts must be lubricated annually. Use a dry lubricant for this (Teflon or silicone)
- The plastic 'feet' of the lower guide can be lubricated with a dry lubricant (Teflon or Silicine) after cleaning (remove twigs and leaves).

**ONLY USE ORIGINAL COMPONENTS
OF THE MANUFACTURER.**



6. Resolving problems

In the event of problems you can contact the installer of your DucoSun. His contact details can be found at the back of this manual.

Installation instructions and assembly instructions can be found on the website: www.duco.eu

Fault/problem (electrical if applicable)	Cause	Resolving the fault
Solar shading panels hanging unaligned	Adjustment was poorly/not carried out	Adjust the system once more
Slide ignores the end position	Incorrect position of the end stop	Replace the end stop in the rail
Slide does not reach the end position	Incorrect position of the end stop	Replace the end stop in the rail
Hatch does not slide easily	Wheels of the wagons are defective	Replace the wagons
	The guide is dirty	Clean the upper and lower guide
Motor does not work	Connection is not correct	Check the electrical connection
	Motor is defective	Replace the motor
Motor stops without warning	Motor is overheated	Wait a few minutes
	Fuse is defective	Replace fuse
	Connection is not correct	Check the electrical connection
	Motor is defective	Replace the motor
	System is blocked mechanically	Remove blockage or points of friction

7. CE



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HATCHES
EN13659:2015
Resistance to wind load class 6

- LUXFRAME 40/40
- LUXFRAME 40/80
- LUXFRAME 45/130
- SLIMFRAME 5/40
- SLIMFRAME 5/80

- LINEAR 55
- LUX 40 WOOD
- LINEAR 115
- LUX 80 WOOD
- PERFOPLATE
- STRETCHED METAL

- ELLIPS 100
- ELLIPS 150
- 30Z
- 40Z
- 60F
- 100D

- SINGLE MANUAL
- SINGLE MOTORIC
- SYMMETRICAL MANUAL
- SYMMETRICAL MOTORIC
- TELESCOPIC MANUAL
- TELESCOPIC MOTORIC
- BIFOLD MANUAL
- QUADRAFOLD MANUAL

INTENDED USE OF THE CONSTRUCTION PRODUCT: SOLAR SHADING

Identification number:

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Date:

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Company stamp of manufacturer

Company stamp of Installer/Fitter

Company stamp of Electrical Fitter

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