Light and fresh air – all at the touch of a button – that’s what you get with VELUX home automation solutions based on io-homecontrol®. VELUX have more than 30 years experience in operating our windows, blinds and shutters at the press of a button – and our solutions work quietly and effectively.

**ELECTRIC AND SOLAR POWERED ROOF WINDOWS**

Electric and Solar powered roof windows are ideal for optimizing your indoor climate and for adding that extra level of comfort. They are available in a choice of natural pine or white polyurethane finish and come with pre-installed hidden motor. Electric and Solar powered roof windows come with a fully programmable remote which uses secure radio frequency to operate individual or groups of roof windows, blinds and roller shutters from anywhere in the building.

**GGL/GGU INTEGRA®**

*Electrical Roof Window*

Ideal for new installation where comfort and frequent use is essential.

**GGL/GGU Solar**

*Solar Driven Roof Window*

Ideal for renovation and replacement of manual roof window where comfort and easy wireless installation is important.

**CVP**

*Electrical Flat Roof Window*

Ideal for new installations where comfort and frequent use and comfort is essential.

**SCENARIOS**

Scenarios make it easy for you to create, define and modify programmes which, with a single click of the remote control, set in motion a series of commands which adapt to your lifestyle.

Scenarios including this/these product(s):

- Good morning!
- Home sweet home in summertime
- Going on holiday
- Refreshing nights
- Good night!

**DISTRIBUTION**

- By VELUX
- VELUX products are available in: Austria, Belarus, Belgium, Bosnia-Herzegovina, Croatia, Czech republic, Denmark, Estonia, Finland, France, Hungary, Germany, Great Britain, Italia, Latvia, Norway, Poland, Portugal, Spain, Lithuania, Russia, Serbia, Slovakia, Slovenia, Switzerland, The Netherlands, Turkey.

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**ELECTRIC AND SOLAR POWERED WINDOW OPERATORS**

For currently installed manually operated roof windows

**KMX 100**

Electrical window operator – conversion kit
for upgrading of manually operated Centre-Pivot Roof Windows GGL/GGU to perform as the GGL/GGU INTEGRA® in situations where comfort and frequent use of the window is essential.

**KMG 100**

Electrical window operator
for basic upgrade of manually operated Centre-Pivot Roof Windows GGL/GGU in situations where comfort and frequent use of the window is essential. Requires power supply KUX 100 or KLC 500

**KMX 200**

Electrical window operator – conversion kit
for upgrading of manually operated Top-Hung Roof Windows GHL/GHU/GPL/GPU in situations where comfort and frequent use of the window is essential.

**KSX 100**

Solar powered window operator
for upgrading of manually operated Centre-Pivot Roof windows GGL/GGU to perform as the GGL/GGU Solar in situations where comfort and ease of installation is important.

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io-homecontrol® provides advanced and secure radio technology that is easy to install. io-homecontrol® labelled products communicate with each other, improving comfort, security and energy savings.

VELUX®

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CONTROLS

KLR 100

The 2-way remote control can operate up to 200 electrical products. The display makes it possible to select and operate individual products, a group or all products simultaneously. Also time programming is possible.

KLI 110

The wall mounted control switch can be used for individual operation of one motor or simultaneous operation of several motors of the same product type using 1-way RF. The installation is wireless by battery power.

KRX 100

VELUX ACTIVE climate control: Provides a naturally balanced indoor climate. It opens and closes the Roller Shutters and other sun screening products automatically as climatic conditions change. The benefit is prevention from overheating in summer and intelligent insulation on demand in winter.

KLA 130

The additional solar sensor is used as a supplement to VELUX ACTIVE climate control KRX 100, when the sun screening products face different geographical orientations.

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### CONTROLS

**KLF 050**

The switch interface KLF 050 can be used for basic operation of io-homecontrol® compatible electrical products by means of a wide range of standard wall switches. This will enable the user to choose a wall switch design for operating the products that matches the other wall switches in the house.

**KLF 100**

Interface KLF 100 is used when io-homecontrol® labelled products are to be controlled by external control devices that are not io-homecontrol® compatible as e.g. external sensors or BUS systems. The interface can activate one product or a group of selected io-homecontrol® compatible products of the same product type.

### POWER SUPPLIES

**KUX 100**

The control system KUX 100 is used for electrical operation of one electrical product in a VELUX roof window. The control system consists of a control unit and a 1-way remote control. It can be used with VELUX electric window operators as well as decoration and sun screening products.

**KLC 500**

The control unit KLC 500 is used for operation of up to 5 electrical products of the same product type in VELUX roof windows. The products are operated via an io-homecontrol® activation control. It can be used with VELUX electric window operators as well as decoration and sun screening products.

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POWER SUPPLIES

KRA 100

Frame lights KRA 100 consist of two halogen spots designed as downlights for use with the electrically operated roof windows GGL INTEGRA® and GGU INTEGRA® or manually operated VELUX roof windows equipped with electrical conversion kits KMX 100 or KMX 200. The frame lights include two halogen spots, dimmer with cable and fitting parts.

KLB 100

Battery backup KLB 100 can be used for electrically operated roof windows GGL INTEGRA® and GGU INTEGRA®, electrical conversion kits KMX 100 and KMX 200 and control system KUX 100. The battery backup ensures that windows can be closed and blinds/shutters raised in case of power failure.

KRD 100

Adapter KRD 100 makes 230 V electrical appliances, e.g. lamps, that are not based on io-homecontrol® technology compatible with the io-homecontrol® platform. One or more electrical appliances connected to the adapter can be operated (switched on/off) with a io-homecontrol activation control. Not available in the UK and Ireland.

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**ROLLE r SHUTTERS AND AWNING BLINDS**

**SML & SSL**

The electrically operated roller shutter SML and the solar powered roller shutter SSL is installed on the outside of a VELUX roof window. The roller shutter has the following functions:
- For total comfort: Optimal heat protection, total black-out, security, extra insulation, noise reduction, privacy, protection of the window/pane.

**MML & MSL**

The electrically operated awning blind MML and the solar powered awning blind MSL is fitted on the outside of a VELUX roof window. The awning blind has the following functions:
- Heat protection: Effective heat protection, net fabric allows light into the room and preserves the view outside.

**BLINDS**

**DML & DSL**

The electrically operated blackout blind DML and the solar powered blackout blind DSL is for installation on VELUX roof windows. The blackout blind has the following functions:
- Black-out: 100% black-out, stepless positioning, improves insulation. Installs in minutes with our unique Pick&Clik!® system.

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**SCENAR IOS**

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### BLINDS

**RML & RSL**

The electrically operated roller blind RML and the solar powered roller blind RSL is for installation on VELUX roof windows. The roller blind has the following functions:
- Regulation of light: Diffuses light, provides basic privacy and control of sunlight, decoration. Installs in minutes with our unique Pick&Clik® system.

**FML & FMG**

The electrically operated pleated blind FML is for installation on VELUX roof windows. The pleated blind has the following functions:
- Softening of light: Optimum daylight control, decoration, sun screening, privacy. Installs in minutes with our unique Pick&Clik® system.

The electrically operated pleated blind FMG is for installation on VELUX flat roof windows CFP and CVP. The pleated blinds has the following functions:
- Softening of light: Optimum daylight control, decoration, sun screening, privacy. Installs in minutes with our unique Pick&Clik® system.

**PML**

The electrically operated Venetian blind PML is for installation on VELUX roof windows. The Venetian blind has the following functions:
- Control of sunlight: Optimum light adjustment, cordless operation, control of direction and intensity of sunlight, privacy, decoration. Installs in minutes with our unique Pick&Clik® system.

### DISTRIBUTION

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### SCENARIOS

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