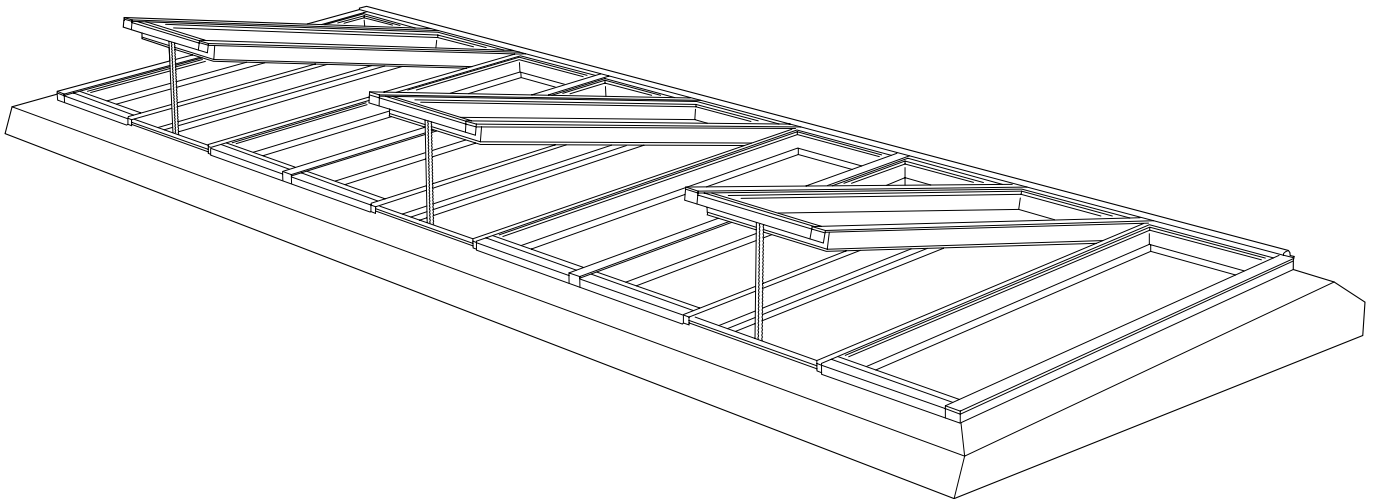


VELUX modular skylights

Combination possibilities with VELUX INTEGRA[®] system



Control unit KLC 400

VELUX modular skylights are available as fixed or venting skylight modules, to which VELUX sunscreening products can be fitted. Both fixed and venting modular skylights have a frame and a sash profile which makes them look identical.

Venting modular skylights and sunscreening can be controlled by means of either VELUX INTEGRA[®] control unit KLC 400 and remote control KLR 100 (based on the io-homecontrol[®] protocol) or by connecting them to ± 24 V DC via a control system supplied by others.

These instructions describe connection and control of products via the VELUX INTEGRA[®] system (based on the io-homecontrol[®] protocol). Information on connection and control of products via an alternative system is given in separate instructions. Please refer to velux.co.uk/modularskylights.

VELUX INTEGRA[®] control unit KLC 400 is capable of controlling one venting modular skylight and up to four sunscreening products within the same installation.

Combination 1 - Fixed modular skylights with sunscreening

Description

This combination consists of four fixed modular skylights HFC with roller blinds RMM.

Possibilities and limitations

One control unit KLC 400 per four fixed modular skylights HFC with roller blinds RMM is required.

Number of installations	Number of HFC with RMM per installation	Number of KLC 400
1	1-4	1
1	5-8	2
2	1-4	2

Control unit KLC 400 must be positioned under the bottom flashing section of a modular skylight and is supplied with cables for connecting up to four roller blinds RMM in series.

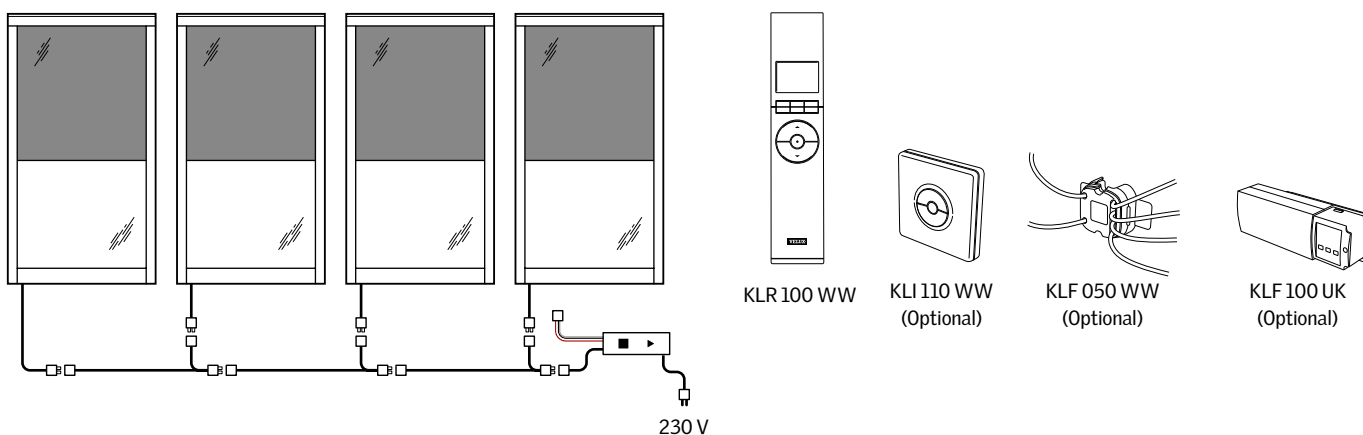
Operation

Roller blinds RMM can be operated from either or a combination of:

- remote control KLR 100 – individual or simultaneous operation
- control switch KLI 110 – simultaneous operation
- interface KLF 050 – simultaneous operation

The operational range between a roller blind and the control unit is approximately 30 m. But depending on the building construction and materials, the range can be longer.

If needed, the range can be extended by using VELUX INTEGRA® interface KLF 100 as a signal repeater station.



Components

Control unit	KLC 400 UK	Requires 230 V AC supply	Power consumption max 200 W
Remote control	KLR 100 WW	Hand held or wall mounted	Requires batteries
Control switch	KLI 110 WW	Wall mounted	Requires batteries
Interface	KLF 050 WW	Fitted into wall switch box supplied by others	
Interface	KLF 100 UK	Requires 230 V AC supply	

Combination 2 - Fixed and venting modular skylights without sunscreening

Description

Combination with fixed modular skylights HFC and venting modular skylights HVC but without VELUX suncreening products.

Possibilities and limitations

One control unit KLC 400 per one venting modular skylight HVC is required.

Control unit KLC 400 must be positioned under the bottom flashing section of the venting modular skylight.

Operation

Venting modular skylights HVC can be operated from either or a combination of:

- remote control KLR 100 – individual or simultaneous operation
- control switch KLI 110 – simultaneous operation
- interface KLF 050 – simultaneous operation

The operational range between the modular skylight and the control unit is approximately 30 m. But depending on the building construction and materials, the range can be longer.

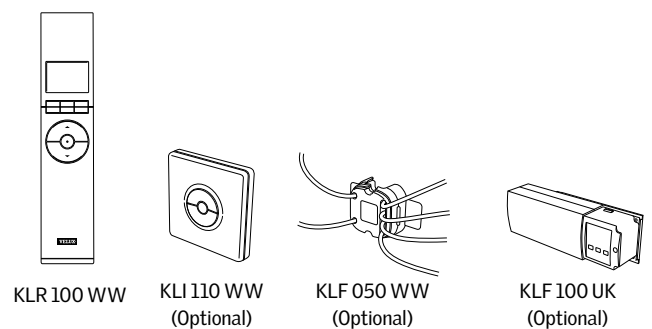
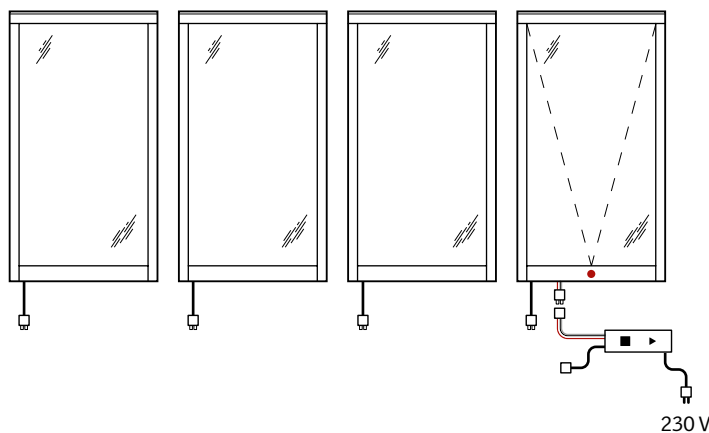
If needed, the range can be extended by using VELUX INTEGRA® interface KLF 100 as a signal repeater station.

Recommendation

It is recommended to install a rain and wind sensor set KLA S105 that will close the modular skylights in case of rain and strong wind. Rain and wind sensor set KLA S105 contains rain and wind sensor KLA 105, power supply unit 3UC A02 and interface KLF 100.

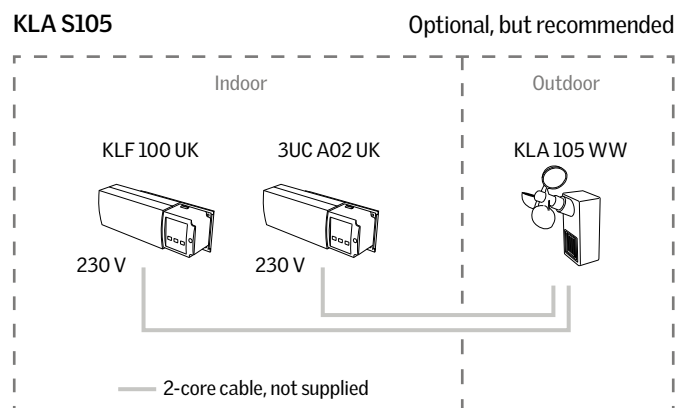
In large buildings with several installations, up to three interfaces KLF 100 can be set up as repeaters to extend the operation range of the rain and wind sensor signal.

Note: Only one repeater is possible between interface and control unit.



Components

Control unit	KLC 400 UK	Requires 230 V AC supply	Power consumption max 200 W
Remote control	KLR 100 WW	Hand held or wall mounted	Requires batteries
Control switch	KLI 110 WW	Wall mounted	Requires batteries
Interface	KLF 050 WW	Fitted into wall switch box supplied by others	Requires 230 V AC supply
Interface	KLF 100 UK	Requires 230 V AC supply	
Rain and wind sensor set	KLA S105 UK01	Requires 2 x 230 V AC supply	Contact rating max 1.8 A



Combination 3 - Fixed and venting modular skylights with sunscreening

Description

Combination with fixed modular skylights HFC and venting modular skylights HVC with roller blinds RMM.

Possibilities and limitations

One control unit KLC 400 per one venting modular skylight HVC and three fixed modular skylights HFC with roller blinds RMM is required.

Subsequently, one control unit KLC 400 per four fixed modular skylights HFC with roller blinds RMM is required.

Control unit KLC 400 must be positioned under the bottom flashing section of the venting modular skylight and is supplied with cables for connecting up to four roller blinds RMM in series and one venting modular skylight HVC within the same installation.

Operation

Venting modular skylights HVC and roller blinds RMM can be operated from either or a combination of:

- remote control KLR 100 – individual or simultaneous operation
- control switch KLI 110 – simultaneous operation
- interface KLF 050 – simultaneous operation

The operational range between the modular skylight and the control unit is approximately 30 m. But depending on the building construction and materials, the range can be longer. If needed, the range can be extended by using VELUX INTEGRA® interface KLF 100 as a signal repeater station.

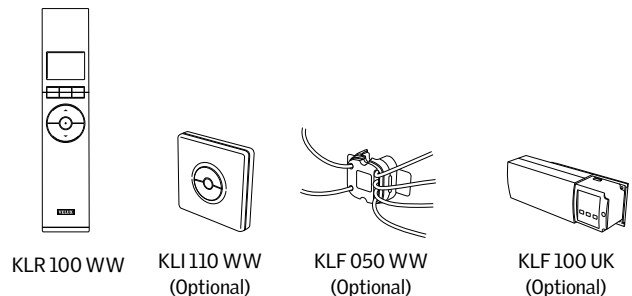
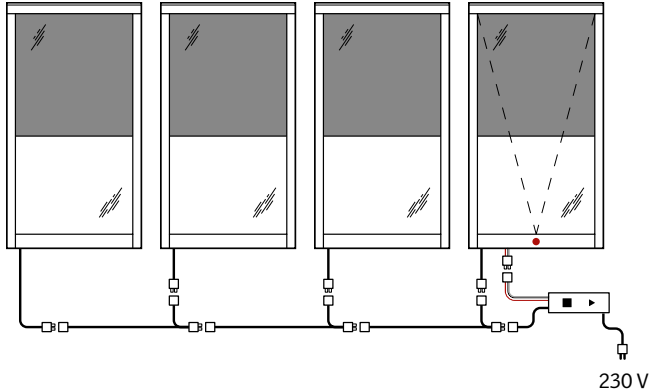
Recommendation

It is recommended to install a rain and wind sensor set KLA S105 that will close the modular skylights in case of rain and strong wind.

Rain and wind sensor set KLA S105 contains rain and wind sensor KLA 105, power supply unit 3UC A02 and interface KLF 100.

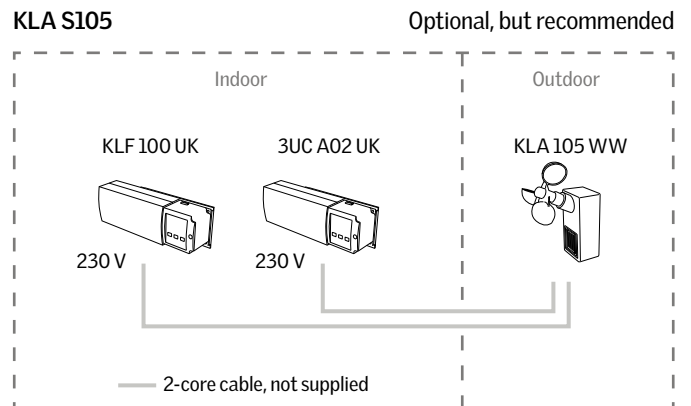
In large buildings with several installations, up to three interfaces KLF 100 can be set up as repeaters to extend the operation range of the rain and wind sensor signal.

Note: Only one repeater is possible between interface and control unit.



Components

Control unit	KLC 400 UK	Requires 230 V AC supply	Power consumption max 200 W
Remote control	KLR 100 WW	Hand held or wall mounted	Requires batteries
Control switch	KLI 110 WW	Wall mounted	Requires batteries
Interface	KLF 050 WW	Fitted into wall switch box supplied by others	Requires 230 V AC supply
Interface	KLF 100 UK	Requires 230 V AC supply	
Rain and wind sensor set	KLA S105 UK01	Requires 2 x 230 V AC supply	Contact rating max 1.8 A





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