FAKRO®

DREAMWORKS

ROOF WINDOW
ACCESSORIES

WHY USE ROOF WINDOW ACCESSORIES?

ALL THE COLOURS OF NATURE ›

Play with light, mix colours and patterns to put your stamp on an interior design. Be creative and bring the colours of nature or your chosen style into the room space using FAKRO original roof window accessories.

INTERIOR DESIGN

Internal accessories can put the finishing touches on any loft conversion. The wide range of blind type, style and colour ensures complete harmony with your chosen décor and helps shape a room's character.

PROTECTION FROM THE SUN AND UV

External accessories provide the ultimate protection against solar gain and UV while also reduce noise in winter from hail and rain.

CONTROL OF LIGHT

Regulate the amount and intensity of light entering the room. At one extreme, you can have total darkness, even on a sunny day while at the other you can simply use a blind to prevent light reflection on computer and TV screens.

PROTECTION OF PRIVACY

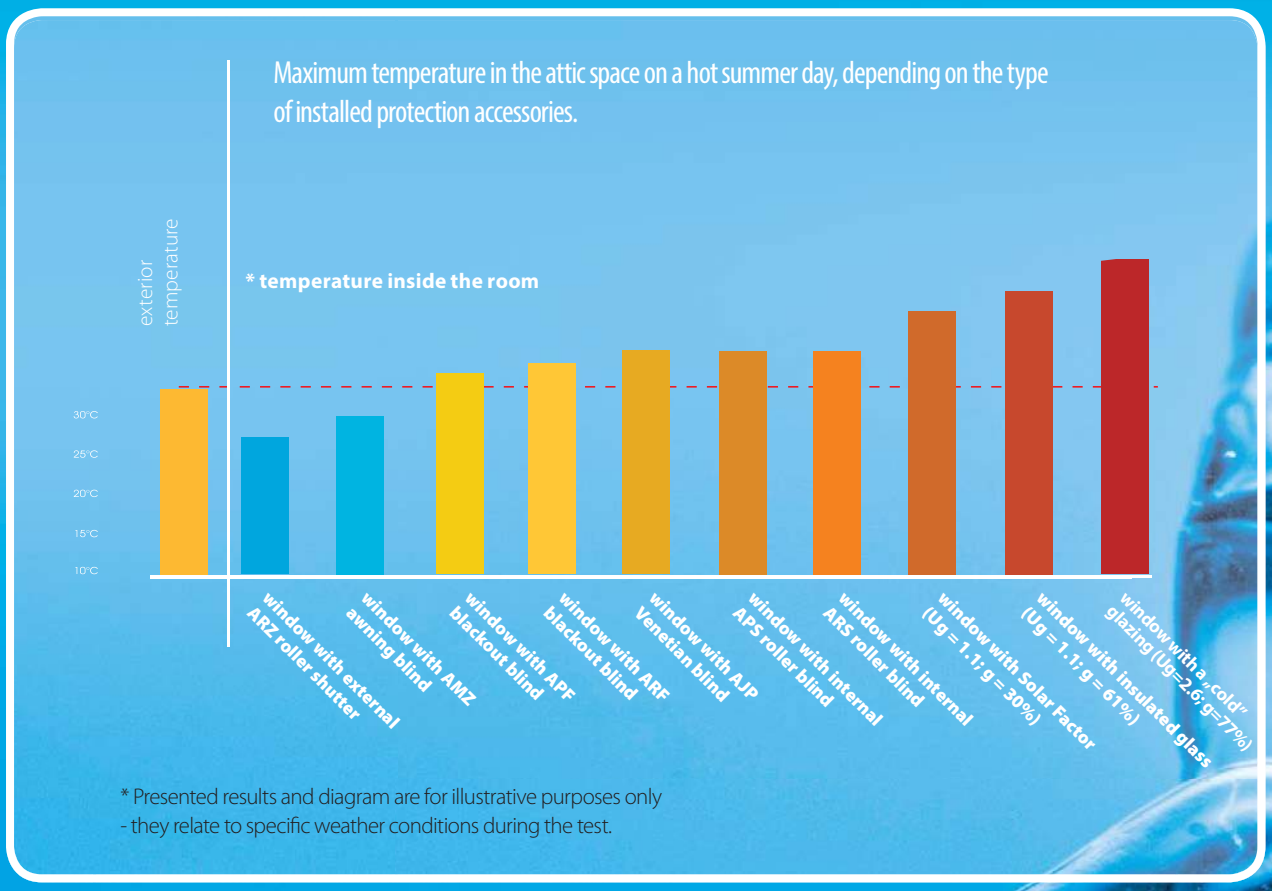
FAKRO roof window accessories protect your house interior against viewers and ensure a feeling of privacy.

EASE OF INSTALLATION

All FAKRO accessories are designed for total ease of installation with our windows, something which is not always the case with blinds from some sources. Internal accessories come with a 2-year warranty and combine the highest standard of functionality and design.

EASE OF USE

Our internal and external accessories are characterized by their ease of use. The FAKRO range also includes electrically operated accessories which are equipped with a Z-Wave module for control alongside appliances from some of the world's leading manufacturers via a remote, wireless touch keyboard, smartphone or tablet.



* Presented results and diagram are for illustrative purposes only - they relate to specific weather conditions during the test.

PROTECT YOURSELF FROM HEAT GAIN...

WHICH ACCESSORIES PROVIDE THE BEST PROTECTION FROM OVERHEATING?

DIN 5034-1 covers the required levels of natural light which should be provided to interiors. It says that rooms should be protected from overheating through the use of external accessories (awning or shutter blinds) as they provide better protection than internal blinds.

HOW DOES THIS WORK?

FAKRO continually analyses all accessories for their efficiency of protection against heat gain in order to improve their performance and enhance user comfort. We have built eight identical room environments to enable us to carry out tests in relation to solar and UV exposure. Windows have been closed during the research and the temperature was constantly [illegible] one metre above the floor at different points and it is these test results which are reflected in the graph above.

8 times more effective

Documented research* clearly shows that external accessories (awning blinds and roller shutters) protect against heat gain. Awning blinds provide the best means of protection as well as being the most cost-effective and practical. Internal blinds can also be used but are generally less effective, their main benefits being light reduction and internal decoration.

Solar energy transmittance:

Figure 1: Window without blinds	g = 61% (0.61) as per EN 410
Figure 2: Window with internal blackout blind	g = 37% (0.37) as per EN 13363-1
Figure 3: Window with awning blind (depending on the fabric used)	g = 4-14% (0.04 – 0.14) as per EN 13363-1

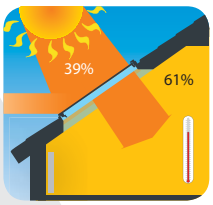


Figure. 1

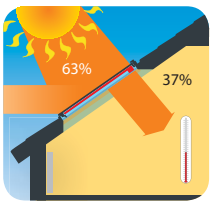


Figure. 2

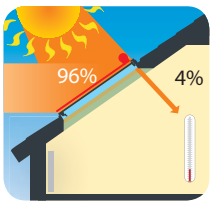
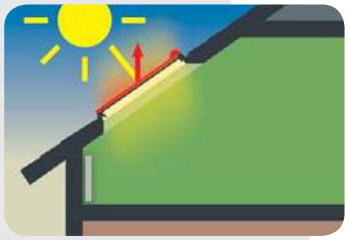


Figure. 3

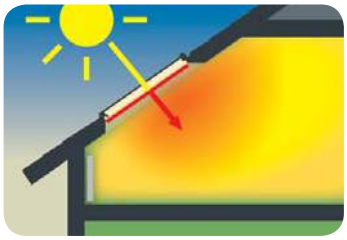
8 times more effective

Solar radiation coefficient 'g' informs about the amount of solar energy reaching the glass which penetrates into the room. The higher value of 'g' coefficient, the room heats up faster. The external awning blind offers up to **8 times more effective** protection in comparison with internal blackout blinds.

'A room space should be protected from overheating in summer using external covers to reflect heat. Overheating as a result of absorption of radiation by objects within a room changes into long-wave infrared radiation. This cannot be dispelled and therefore causes an increase in temperature'.



External accessories offer the best protection from high temperatures. They absorb UV radiation, protect the external glazing and keep warm air outside.



Thermal radiation which passes through the window pane is absorbed by an internal blind so the heat radiates to the interior in the form of long wave infrared radiation which is not transmitted back through the glass back to the outside.
The blind acts as a radiator causing overheating, particularly on south-facing roofs.

**FAKRO internal tests*

AWNING BLINDS

AMZ

AMZ Z-Wave
AMZ Solar
AMZ Electro
AME
AMB

8 times more effective

TAKE A REST IN THE SHADE ...

The awning blind offers the best means of protection against overheating while at the same time providing an unrestricted view. It absorbs solar radiation before it reaches the glazing and reflects heat effectively, even on the sunniest days. It also provides relief for the eyes and protection from the harmful effects of intense, reflected light.

The AMZ awning blind is available in two price groups while AMZ Z-Wave, AMZ Solar and AMZ Electro awning blinds are available in three.

AMZ GROUP I
AMZ Z-WAVE GROUP I
AMZ SOLAR GROUP I
AMZ ELECTRO GROUP I

AMZ GROUP II
AMZ Z-WAVE GROUP I
AMZ SOLAR GROUP I
AMZ ELECTRO GROUP I

AMZ GROUP III
AMZ Z-WAVE GROUP II
AMZ SOLAR GROUP II
AMZ ELECTRO GROUP II

fabric with **10% relative open area**

fabric with **1% relative open area**

The material samples printed can differ in colour from the actual product.

Awning Blind AMZ

The AMZ awning blind is made of durable, weather-resistant mesh. It is rolled up on a spring--loaded shaft and inserted in an aluminium cassette mounted above the window. This design provides ease of operation and provides a wider fabric area to shade the interior more effectively.

CHARACTERISTICS:

— up to 8 times more effective protection against overheating compared to internal blinds
— effective shading without restricting views to the outside
— ease of operation. The window can be covered for long periods without the need to roll it up
— protection against UV radiation
— reduce noise from rain and hail

— optimum protection against heat gain
— ease of installation – the blind is installed from the inside of the roof (by simply unscrewing four screws, mounting the blind and then reusing the same holes)

AMZ

AMZ NEW LINE

CONTROL:

— **AMZ** - operated by hand or by using the control rod provided

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AMZ Z-WAVE

— ease of operation by hand-held remote or wall switch
— powered by 15V DC mains supply
— fully compatible with other Z-Wave devices and appliances including the FAKRO FTP-V Z-Wave roof window

CONTROL:
— **AMZ Z-Wave** - controlled by hand-held remote or wall switch

AMZ SOLAR

— automatic operation of the blind depending on the insolation level
— photovoltaic panel acts as a sensor which reacts to solar radiation
— high insolation level requirement triggers the blind to unroll automatically
— blind rolls open automatically in cloudy weather
— powered by solar battery pack

CONTROL:
— **AMZ Solar** - automatic operation

AMZ ELECTRO

— **AMZ ELECTRO 230** – mains connection
— **AMZ ELECTRO 12** – mains connection via 15V DC power supply
— **AMZ ELECTOR SOLAR** – powered by solar panels

CONTROL:
—**AMZ Electro** - wall-mounted switch

The Solar awning blinds should be fitted in places with the solar panel positioned to direct sun exposure.
It is recommended to install Solar awning blind on south, east and west- facing roof. Installation on the north side may result in battery discharge and the inability to operate the blind.

ROLETA

ROLLER SHUTTERS ARZ

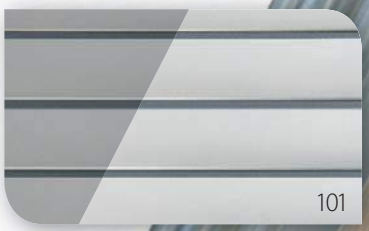
ARZ-H
ARZ Z-Wave
ARZ Solar
ARZ Electro

DISCOVER AN OASIS OF TRANQUILITY...

External roller shutter provides total comfort when using the attic space because it protects from over-heating, enables complete shading of the room, reduces noise from the outside and ensures a sense of privacy in the attic.

101

102



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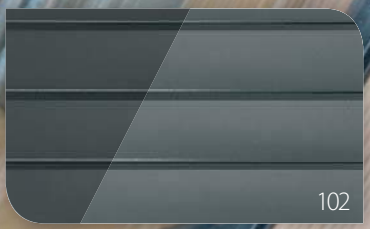

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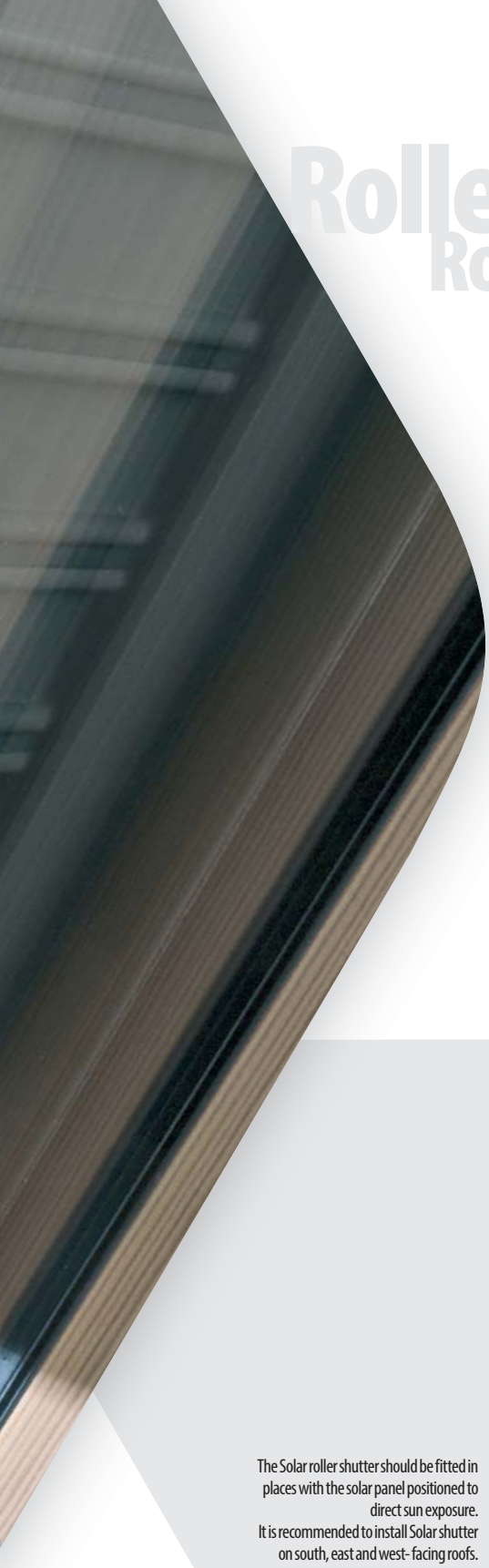
The material samples printed can differ in colour from the actual product.

Roller Shutter ARZ

Roller ShutterARZ



Installed externally, roller shutters provide effective protection from unwanted heat gain. Aluminium slats are joined by means of a special rubber connector to increase weather resistance.

CHARACTERISTICS:

— effective heat and UV protection
— reduction of heat loss during winter by up to 15% (for a FAKRO window with a U-value of 1.3W/m^{2}K)
— complete blackout for total privacy
— acoustic protection against external noise
— burglary protection

When installing roller shutters on windows in vertical combinations a **minimum 20cm** must be maintained between windows. In horizontal combinations the distance **may be reduced to 10cm**.

ARZ-H

CONTROL:

— **ARZ-H** - by means of crank handle supplied

ARZ Z-WAVE

CONTROL:

— **ARZ** - in wireless Z-Wave system operated by wall switch or remote and powered by 15V DC supply

ARZ SOLAR

The Solar roller shutter should be fitted in places with the solar panel positioned to direct sun exposure. It is recommended to install Solar shutter on south, east and west- facing roofs. Installation on the north side may result in battery discharge and the inability to operate the shutter.

CONTROL:

— **ARZ Solar** - by remote control. Solar roller shutter is equipped with a control unit and accumulator which are powered by a solar cell on the shutter.

ARZ ELECTRO

CONTROL:

— **ARZ Electro 230** – mains connection
— **ARZ Electro 12** – mains connection and 15 V DC power supply
— **ARZ Electro Solar** – solar panels

ARZ Electro roller shutters are operated by means of a wall switch

VENETIAN BLINDS

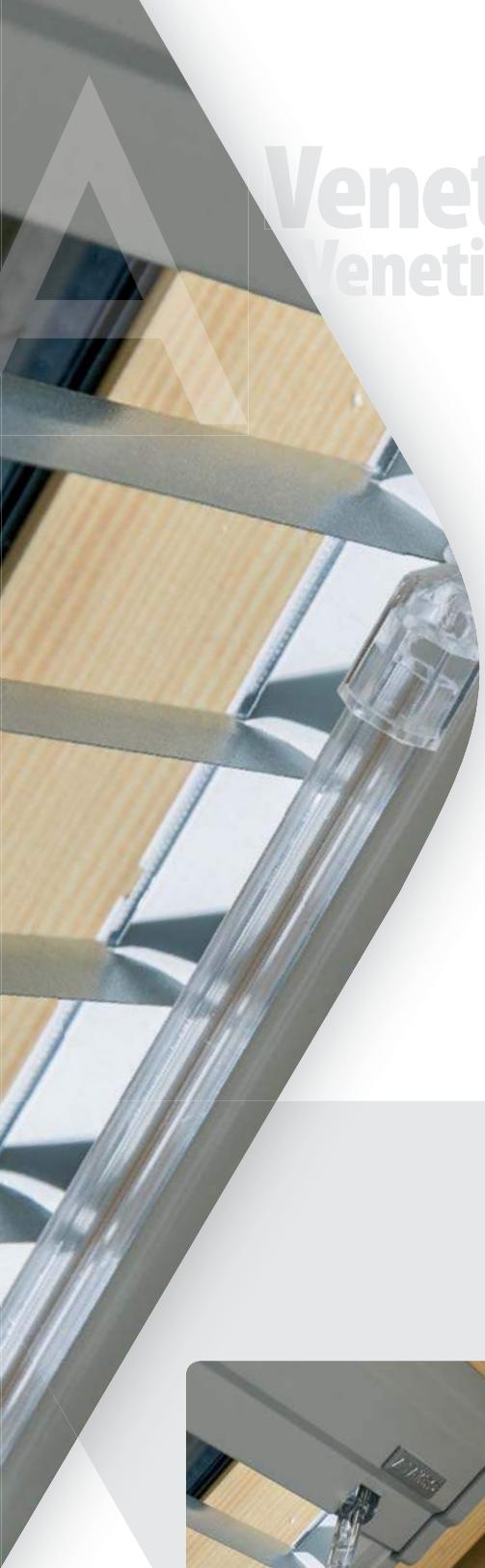
AJP

AJP Z-Wave

LIGHT CONTROL IN YOUR HANDS...

The **AJP** Venetian blind is a popular roof window accessory which can control the amount of light and heat entering a room. The angle of slats can be changed in the traditional way to vary the amount of light and the effect it creates within the room.

Venetian Blind AJP



The AJP Venetian blind protects against overheating and can be used to enhance interior design. The blind is enclosed by an aluminium cassette which protects against alight infiltration down the sides. The window sash can also be changed with the blind down.

CHARACTERISTICS:

— adjustment of slats to change the amount and direction of light entering the room
— enhancement of interior design
— partial reduction against heat gain
— blind may be locked in any position
— partial UV – protection
— provision of privacy without significant reduction of natural light within the room

CONTROL:

— **AJP** - manually operated
For operation of blinds which are out of reach the universal **ZST** control rod is available
— **AJP** – wireless Z-Wave system operated by wall switch or remote powered by 15V DC supply

The electric drive of an **AJP Venetian blind in a Z-Wave** system controls the angle of slats only when the window is closed.

Side aluminium guides enable a complete shading of the room and keep the slats in line

Venetian blind AJP Z-Wave operated by means of a wall switch or a remote control

COLOURS

OF VENETIAN BLIND AJP

AJP I GROUP

AJP II GROUP

Colour in the shade

Colour in light

The material samples printed can differ in colour from the actual product.

ROLLER BLINDS

ARS

LIVE WITH COLOUR...

The standard ARS roller blind is used to reduce light entering a room while offering scope to be used as an intrinsic element of interior design. In addition to reducing incoming light, the wide range of fabric colours and patterns can add enhance room décor and style.

Roller Blind ARS

Roller Blind ARS

The **ARS** roller blind is fabric wound on a spring-loaded shaft. It comes with an attractive aluminium fascia which elegantly conceals the shaft and has three pairs of hooks placed in the sash to enable the blind to be locked in these positions.

CHARACTERISTICS:

— variable reduction of incoming light
— wide range of colours and patterns to suit varied tastes
— partial protection against heat gain
— lock the blind in a choice of three positions
— provision of complete privacy when closed

CONTROL:

— **ARS** - manually operated.
For operation of blinds which are out of reach the universal **ZST** control rod is available

Aluminium fascia to conceal the shaft of the blind

Hook to lock the blind in one of three positions

COLOURS

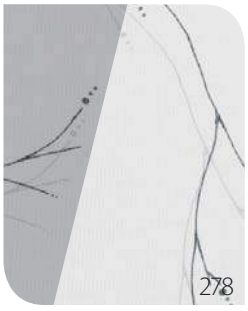
OF ROLLER BLIND ARS ARP ROLET ARS ARP

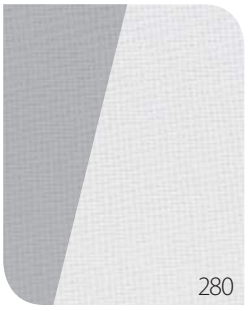
ARS, ARP I GROUP

The material samples printed can differ in colour from the actual product.

ARS II GROUP, ARP II GROUP

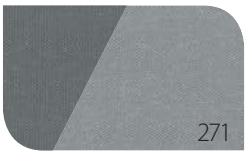
ARS II GROUP, ARP III GROUP





ARS II GROUP

ARP III GROUP



Colour in the shade

Colour in light

The material samples printed can differ in colour from the actual product.

ROLLER BLINDS

ARP

ARP Z-Wave

DECORATE YOUR INTERIOR ...

The ARP roller blind is used in a similar way to ARS blinds to reduce light entering a room while offering scope to be used as an intrinsic element of interior design. In addition to reducing incoming light, the wide range of fabric colours and patterns can add enhance room décor and style.

Roller Blind ARP

Roller Blind ARP
Roller Blind ARP

The wide range of colours and patterns can be used to greatly enhance the aesthetics of any room. Aluminium guides cover the fabric edges and enable the blind to be set in any position.

CHARACTERISTICS:

— variable reduction of incoming light
— wide range of colours and patterns to suit individual tastes
— partial protection against heat gain
— lockable in any position
— protection against UV radiation
— provision of complete privacy

CONTROL:

— **ARP** - manually operated
For operation of blinds which are out of reach the universal **ZST** control rod is available
— **ARP** – in wireless **Z-Wave** system operated by means of a wall switch or remote control by mains connection and 15 V DC power supply

Operating ARP Z-Wave in the standard version is only possible when the roof window is closed.

Aluminium fascia to conceal the shaft of the blind

Side guides enable to stop the blind in any position

The ARP Z-Wave can be operated by means of a wall switch or a remote control

BLACKOUT BLINDS

ARF

ARF Z-Wave

The **ARF** Sunset blackout blind provides complete protection against sunlight entering the room space. As a result, you can enjoy total darkness of the sunniest of days.

NIGHT BY DAY ...

Blackout Blind ARF

Blackout Blind ARF
Blackout Blind ARF

The **ARF** blackout blind is made of an elegant and decorative fabric which does not let light through. It comes with side guides which allow to stop the blind in any position and ensure shading of the room.

CHARACTERISTICS:

— variable reduction of incoming light
— partial protection against heat gain
— lockable in any position
— protection against UV radiation
— provision of complete privacy
— easy to clean

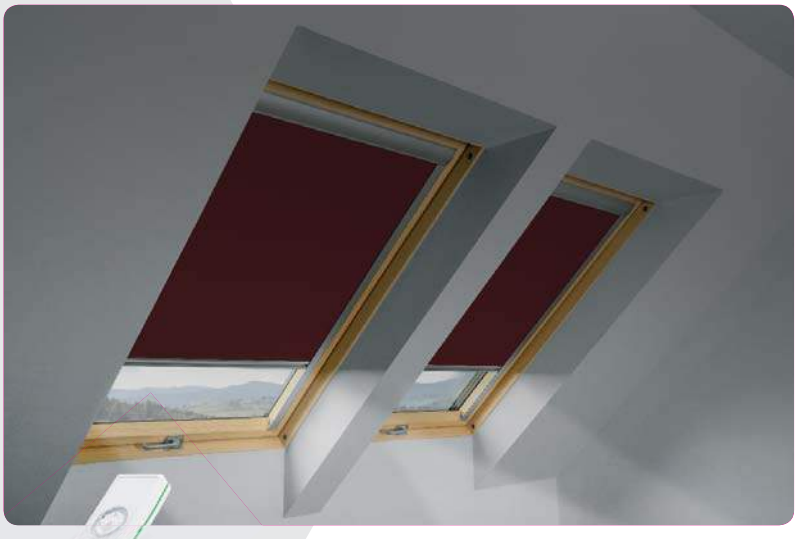
CONTROL:

— **ARF** - manually operated
For operation of blinds which are out of reach the universal **ZST** control rod is available
— **ARF** - in wireless **Z-Wave** system operated by means of a wall switch or remote control by mains connection and 15 V DC power supply

Operating **ARF Z-Wave** in the standard version is only possible when the roof window is closed.

Aluminium fascia to conceal the shaft of the blind

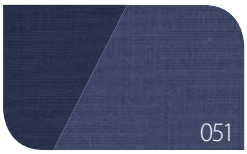
Side guides enable to stop the blind in any position and ensure shading of the room.



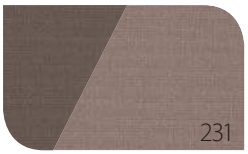
The ARF Z-Wave can be operated by means of a wall switch or a remote control

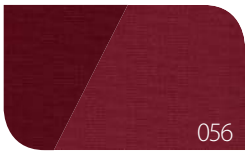
COLOURS
OF ROLLER BLIND ARF

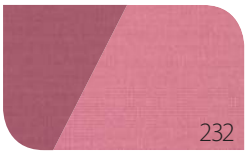
ARF I GROUP



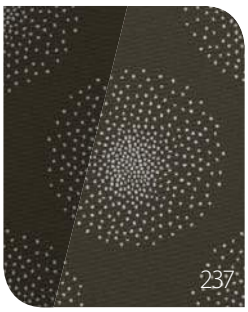
ARF II GROUP

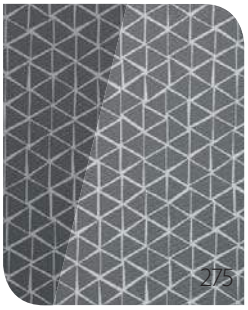






ARF III GROUP





Colour in the shade

Colour in light

The material samples printed can differ in colour from the actual product.

BLACKOUT BLINDS

ARF

ARF blackout blinds with motifs from popular animated movies are an ideal solution for children's room situated within the attic. By installing them on roof windows you get all advantages of the standard ARF blind and an exceptional interior design of the entire room. Blackout blinds with favourite heroes create a charming décor of children's space where the youngest can feel very comfortable spending time on learning or playing with cheerful smile on their face.

WINDOWS IN A FABULOUS ATMOSPHERE

DREAMWORKS

FAKRO®

DREAMWORKS

A children's room is a special place in every home which deserves a particular attention.
It should not only be functional, but above all friendly to the youngest.
Blackout blinds ensure harmony with the décor of any room and protect it from overheating,
while your kids can enjoy comfortable conditions both for playing and learning.
Having children in mind, we have created a unique collection of DreamWorks&Fakro blinds.
Characters from such movies as 'Trolls', 'How to Train Your Dragon', 'Kung Fu Panda' or 'Penguins
of Madagascar' will make your children able to invite to the room their favourite heroes.

DreamWorks Dragons © 2019 DreamWorks Animation LLC. All Rights Reserved. DreamWorks Kung Fu Panda © 2019 DreamWorks Animation LLC. All Rights Reserved. DreamWorks Kung Fu Panda 3 © 2019 DreamWorks Animation LLC. All Rights Reserved. DreamWorks Penguins of Madagascar © 2019 DreamWorks Animation LLC. All Rights Reserved. DreamWorks Trolls © 2019 DreamWorks Animation LLC. All Rights Reserved.

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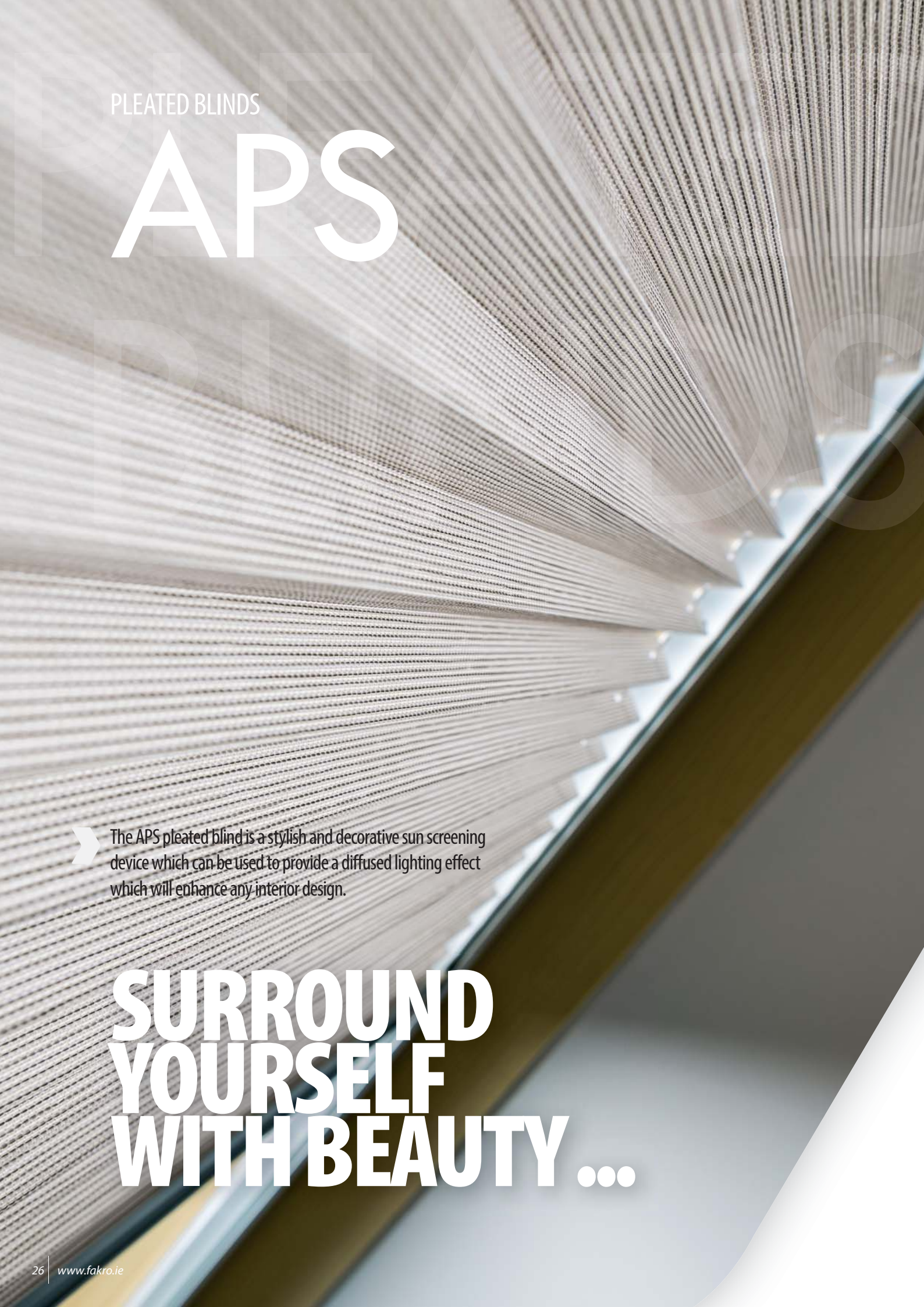
PLEATED BLINDS

APS



The APS pleated blind is a stylish and decorative sun screening device which can be used to provide a diffused lighting effect which will enhance any interior design.

SURROUND YOURSELF WITH BEAUTY ...

Pleated Blind APS

Pleated Blind APS

Aluminium guides are available in two colour versions – lacquered white and anodised silver.

CHARACTERISTICS:

— provision of soft, diffused light
— variable reduction of incoming light
— partial protection against heat gain
— lockable in any position
— top down system - easy operation by means of an upper and lower bar
— protection against UV radiation
— provision of complete privacy

CONTROL:

— **APS -** manually operated.
For operation of blinds which are out of reach the universal **ZST** control rod is available.

Aluminium guides enable to stop the blind in any position

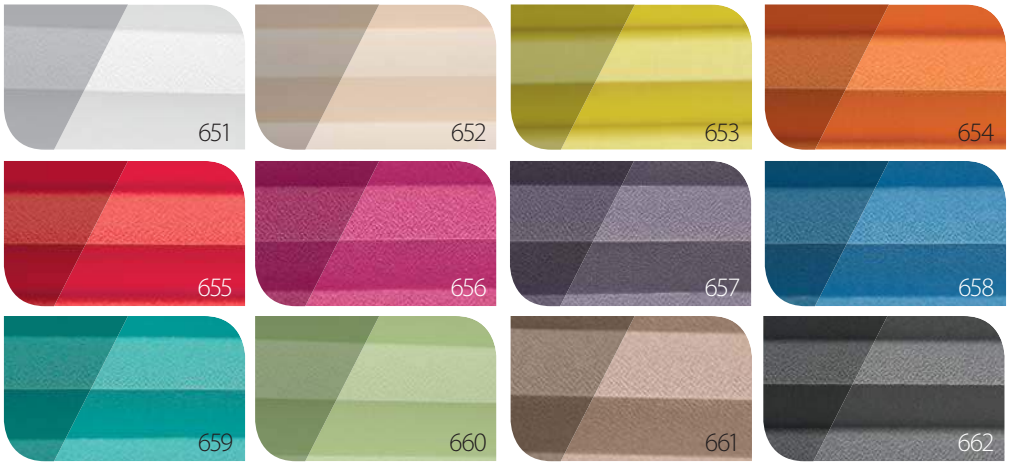
Convenient handle to operate the blind

Top-down system - easy operation by means of the upper and lower bar

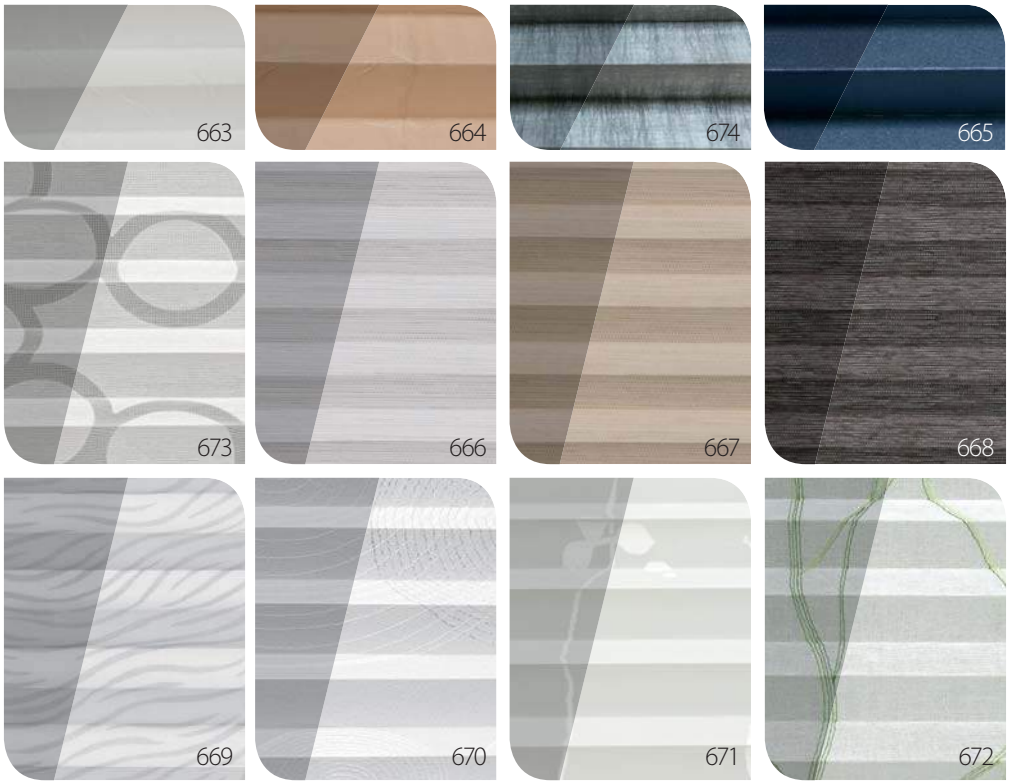
COLOURS

OF PLEATED BLIND APS

APS I GROUP



APS II GROUP



Colour in the shade

Colour in light

The material samples printed can differ in colour from the actual product.

PLEATED BLINDS

APF

The **APF** pleated blind is an ideal sun screening device for use with contemporary interiors. Its fabric has a honeycomb structure and an aluminium coating which provides blackout and good thermal performance.

INNOVATIVE BEAUTY ...

Pleated Blind APF

Aluminium guides are available in two colour versions – lacquered white and anodised silver.

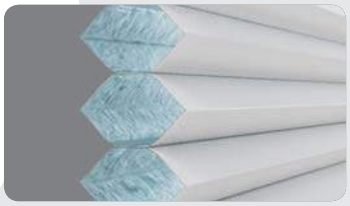
CHARACTERISTICS:

— variable reduction of incoming light
— partial protection against heat gain
— lockable in any position
— top down system - easy operation by means of an upper and lower bar
— protection against UV radiation
— provision of complete privacy

CONTROL:

— **APF** - manually operated.
For operation of blinds which are out of reach the universal **ZST** control rod is available.

Aluminium guides enable to stop the blind in any position



Fabric with the structure resembling honeycomb and internal aluminium coating

Top-down system - easy operation by means of the upper and lower bar

COLOURS

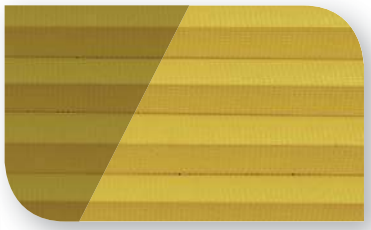
OF PLEATED BLIND APF

APF I GROUP

601

APF II GROUP

602



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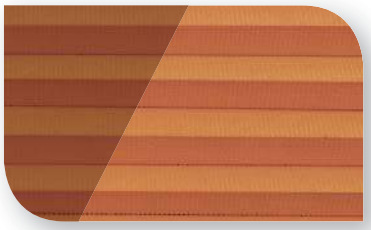

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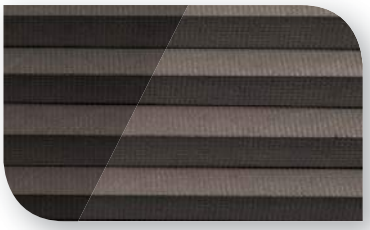

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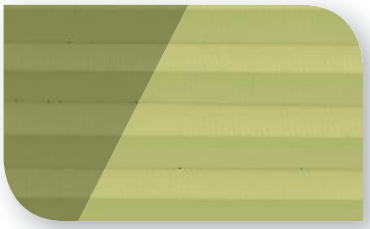

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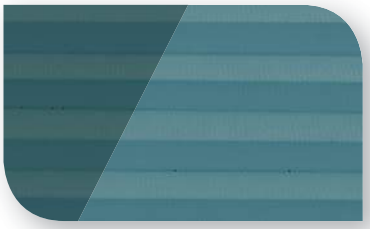

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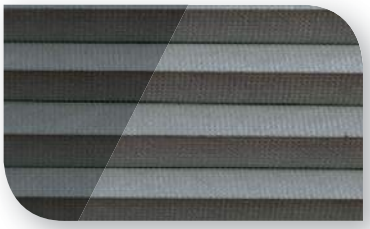

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Colour in the shade

Colour in light

INSECT SCREENS

AMS

UNDISTURBED TRANQUILITY...

The **AMS** roll-up insect screen protects the home from the smallest insects so your rest won't be disturbed even if your roof windows are open.

Insect Screen AMS

The **AMS** insect screen is the only FAKRO roof window accessory that is not mounted on the window. It is made of mesh-coated PVC and has aluminium guides which are available in two colour versions – lacquered white and anodised silver.

CHARACTERISTICS:

— effective protection against mosquitoes and other insects
— minimal reduction of natural light
— can be installed with other internal and external blinds and awnings

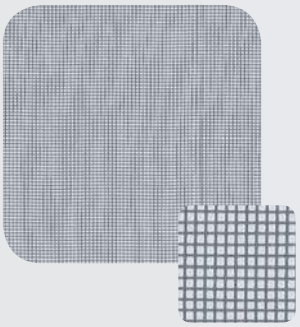
CONTROL:

— **AMS** - manually operated.
For operation of blinds which are out of reach the universal **ZST** control rod is available.

Insect screen structure ensures full protection against insects

INSECT SCREEN DIMENSIONS

WINDOW WIDTH (CM)	55	55	66	66	78	78	94	94	114	114	134	134
INTERNAL LINING WIDTH (CM)	48,5	48,5	59,5	59,5	71,5	71,5	87,5	87,5	107,5	107,5	127,5	127,5
MAX. LINING INTERNAL HEIGHT (CM)	170	200	200	240	200	240	200	240	200	240	200	240



WIRELESS CONTROL

Z-WAVE

FAKRO offers electrical accessories fitted with a Z-Wave module as standard. Z-Wave is a wireless protocol used to enable compatible devices to connect in a single network. I addition to the roof windows and blinds these can include lighting, thermostats, alarms, air conditioning, tv and hi-fi.

Z-WAVE ELECTRIC CONTROL DEVICES

ZRH12

The **ZRH12** remote control used to control remotely many products separately or simultaneously - **Z-Wave** window, **ZWS230** or **ZWS12** window actuator, **ARZ Z-Wave** exterior blind, **AMZ Z-Wave** awning blind, **ARF Z-Wave** interior blind, **ARP Z -Wave** interior blind or **AJP Z-Wave** Venetian blind.

ZRS24

Multi-functional Z-Wave remote control enables advanced configuration and control of all devices in the Z-Wave network. **Z-Wave** window, **ZWS230** or **ZWS12** window actuator, **ARZ Z-Wave** roller shutter, **AMZ Z-Wave** awning blind, **ARF Z-Wave** interior blind, **ARP Z-Wave** interior blind or **AJP Z-Wave** Venetian blind.

ZRW7

Wall controller **ZRW7** controls many products separately or simultaneously - the **Z-Wave** window, the **ZWS230** actuator for opening the window or **ZWS12**, **ARZ Z-Wave** roller shutter, **AMZ Z-Wave** awning blind, internal blind **ARF Z-Wave**, internal blind **ARP Z-Wave** or **AJP Z-Wave** Venetian blind.

ZWLI

Z-Wave radio controller used for remote control of one device or group of Z-Wave devices. **Z-Wave** window, **ZWS230** actuator for opening the window or **ZWS12**, **ARZ Z-Wave** roller shutter, **AMZ Z-Wave** awning blind, **ARF Z-Wave** interior blind, **ARP Z-Wave** internal roller blind or **AJP Z-Wave** Venetian blind. Also available in the ZWL2 - dual controller and ZWL3 - triple controller version.

ELECTRIC POWER SUPPLY ELEMENTS – 15V

ZZ60

Switching the 15V DC power supply to power Z-Wave devices. Output power 60W. To be installed on DIN TS35 rail.
A maximum number of devices connected to the ZZ60 power unit:

- ARZ Z-Wave – 2 items
- AMZ Z-Wave – 2 items
- ARF Z-Wave – 8 items
- ARP Z-Wave – 8 items
- AJP Z-Wave – 6 items
- ZWS 12 – 5 items

ELECTRIC CONTROL ELEMENTS - 230V

ZKP

A flush-mounted controller for operating a single device such as the **AMZ Electro 230**.

ZKN

A surface-mounted controller for operating a single device such as the **AMZ Electro 230**.

DETECTORS

ALARMS
SECURITY

GARAGE

ROOF
WINDOWS
INTERNAL
AND EXTERNAL
BLINDS

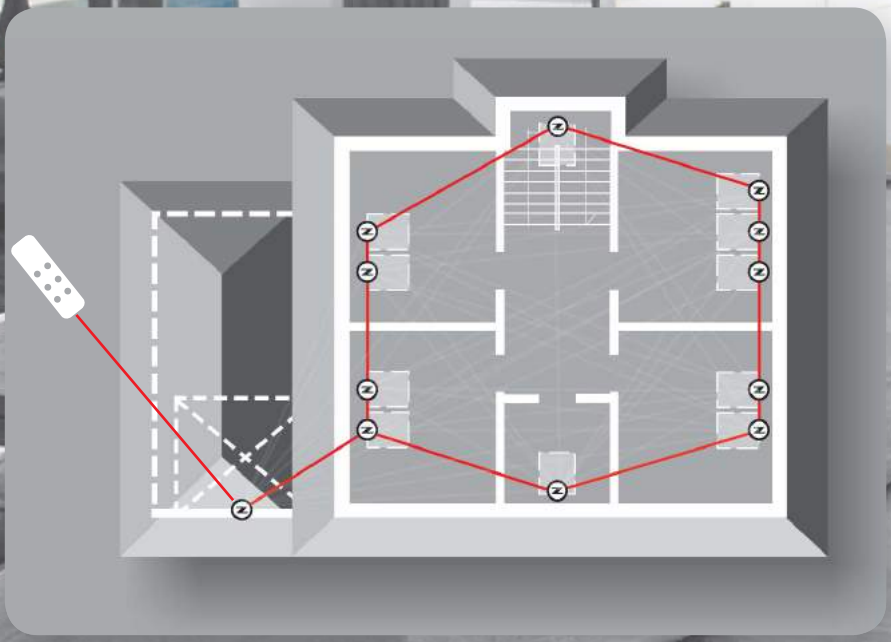
HEATING

DOORS
BLINDS

AV
EQUIPMENT

VENTILATION

COMMUNICATION



Z-Wave System

Z-Wave System

Z-Wave System

FAKRO®

FAKRO smartHome

The FAKRO smartHome project is an advanced technological solution in which FAKRO products equipped with a Z-Wave module are integrated into a smart home system - they can be controlled locally by means of a remote control.

WORKS WITH FIBARO®

FAKRO products equipped with the Z-Wave module cooperate with FIBARO devices. Through the FIBARO - Home Center 2 control panel, we can create a smart home that will be operated using the smartphone app from anywhere on earth.

FAKRO smartHome can be integrated with products from other manufacturers in one application. The FSH system can also be connected to other devices equipped with a Z-Wave module, such as lighting, heating or various types of sensors: rain, wind, smoke, smog or carbon monoxide. 600 companies from around the world offer over 2,100 „smart" products for use in the Z-Wave network, which improve the comfort of living for millions of people in many aspects of life.

FAKRO offers extendable control rods for opening and closing roof windows and blinds which may be out of reach.

CONTROL RODS FOR OPERATING ROOF WINDOWS AND ACCESSORIES

CONTROL ROD ZST

The universal **ZST** telescopic control rod enables the user to open and close windows and blinds at high level. It can be used with the **ARS, ARP, ARF, APS, APF and AJP** blinds and **AMZ** insect screen. The standard rod length is 119cm but this can be extended to 134, 162, 190 or 218cm. **A ZSP** extension can further extend this to 246, 274, 302 or 330cm.

ROD ZSZ

The **ZSZ** is a round-shaped aluminium bar for opening and closing the **AMZ** awning blind which is supplied with an 80cm rod. The standard length of the **ZSZ** is 150cm.

CHOOSING ACCESSORIES

In order to select the right size and type of accessory you must first ensure you know the roof window type and its dimensions. These are to be found on a data plate which is mounted on the window sash.
FAKRO accessories are available via:

- FAKRO roof windows sales chain
- dedicated online stores
- best stores offering accessories for windows

Using original FAKRO accessories from this catalogue helps maintain the 10-year warranty of your roof windows.

Note: - colour swatches in this catalogue may differ from the actual fabric. Fabric swatches are available.

type and dimensions

Internal accessories are compatible with all FAKRO roof window types. The window dimensions which are provided on the identification label of the window sash have to be known in order to select the right size of accessories. FAKRO offers a wide range of external awning blinds and accessories adapted to different roof window designs. The external awning blind and internal accessory fitted on the same FAKRO roof window create a set of accessories providing a maximum comfort of living in the attic space. They protect the room against excessive heat and light, additionally enhancing interior design.

INTERNAL ACCESSORIES

	FTS, FTP, FTU	FTT U5*, FPT U5*	FTT U6, FTT U8 Thermo	PTP, PTP-V	FPP-V, FPU-V preSelect	PPP-V preSelect	FEP	FYP-V	PYP-V	FDY-V		FGH-V		BD_, BVP, BXP	FTP/D, FTU/D	FXP, FXU	FWR FWL	FWP
										top sash	bottom sash	top sash	bottom sash					
AJP Venetian blind	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+[4]	+
AJP Z-Wave Venetian blind	+	+	—	+	+	+	+	+	+	+	—	+	—	—	+	—	+[4]	+
ARS roller blind	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ARP roller blind [1]	+	+	+	+	+	+	+	+	+	+	+	—	+	+	+	+	+[4]	+
ARP Z-Wave roller blind [1]	+	+	—	+	+	+	+	+	+	+	—	—	—	—	+	—	+[4]	+
ARF blackout blind	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+[4]	+
ARF Z-Wave blackout blind	+	+	—	+	+	+	+	+	+	+	—	+	—	—	+	—	+[4]	+
APS pleated blind	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+[4]	+
APF pleated blind	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+[4]	+
AMS insect screen	+	+	+	+	+	+	+	+	+	+[2]		—		—	+[2]	+[2]	+	+

EXTERNAL ACCESSORIES

AMZ awning blind, AMZ New Line	+	+	+	+	+	+	—	+	+	+	+[5]	+	+[5]	—	+	+[5]	—	—
AMZ Z-Wave, AMZ Solar awning blind	+	+	+	+	+	+	—	+	+	+[5]	+[5]	+[5]	+[5]	—	+	+[5]	+[5]	+[5]
AME awning blind	—	—	—	—	—	—	+	—	—	—	—	—	—	—	—	—	—	—
AMB awning blind	—	—	—	—	—	—	—	—	—	—	—	—	—	+	—	—	—	—
ARZ-H roller shutter	+	—	—	—	+	—	—	+[5]	—	+[5]	—	+[5]	—	—	+[3]	—	—	—
ARZ Z-WAVE, ARZ SOLAR ROLLER SHUTTER	+	+	+	+	+	+	—	+[5]	+[5]	+[5]	+[5]	+[5]	—	—	+[3]	+[5]	—	—
ARK Z-Wave, ARK Solar roller shutter	—	—	—	—	—	—	+	—	—	—	—	—	—	—	—	—	—	—

* - *internal accessories made to order, standard external accessories*
[1] - *window with maximum height of 140cm*
[2] - *for lining for combination up to 250cm long*
[3] - *retaining 20cm distance between windows*
[4] - *installation recommended to be performed by FAKRO service*
[5] - *made to special order, limited application*

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FAKRO reserves the right to change specifications and technical parameters of products without prior notice.

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