



Automatically **more safety,** **comfort and quality of life**

Automating and controlling roller shutters and sun protection systems and entire homes effectively and efficiently.

With Becker.



BECKER
Together it's easier.

Coming home means feeling at home ...



The simple solution: BECKER.

Becker has had just one goal ever since its foundation in 1921:

to develop outstanding solutions which make managing your time and life easier.

People around the world rely on drives and control units from Becker, a third generation family owned company, to keep their homes running – from roller shutters and sun protection systems to central home automation. You too can sit back, relax and enjoy more safety, comfort and quality of life. Benefit from a solution that is tailored to your requirements.

Transparent, solution-driven, understandable

This is the driving force behind Becker and its ideas „Made in Germany“ – ensuring that you have time for the more important things in life. With Becker you can be sure of innovative products, expert advice and professional installation. Becker gives you the great feeling that you have made the right choice.

Make your life easier.
Together with Becker.



Why roller shutters and sun protection?

Cold protection

Closing roller shutters at the right time of the day helps to reduce heat loss through windows and to cut your heating bills. Modern roller shutters provide insulation – in the winter against the cold and in the summer against the heat. Depending on the actual building, roller shutters can help cut your energy bill by more than 30% when used throughout your home.

Noise protection

Noise pollution impairs the quality of life and can actually affect your health. Modern roller shutters provide pleasant noise protection.

Increased privacy

Once it gets dark, your brightly lit rooms are a feast for prying eyes. Roller shutters help to add a little more privacy.

Glare protection

On very sunny days or when the sun is very low in the sky, for example in the spring or autumn, bright sunlight can cause glare or reflection on PC monitors and TV screens. Sun protection solves this problem immediately.

Material protection

UV rays can destroy almost any material – wooden floors, fabrics, leather or plants. Protect the interior of your home.

Health protection

Protect your skin against the harmful rays of the sun and ensure your rooms stay nice and cool during the hot summer months.

And why fully automatic?

Wise investment

The energy balance is improved, the value of your property increased, resulting in a higher standard of living and more comfort.

Intelligent comfort

Regardless of whether you choose awnings or roller shutters: both solutions allow you to control them from the comfort of a chair, sofa or lounge. At the push of a button you can react to any change in the weather, improve the room climate or guarantee pleasant shade.

Sun protection

The sun-wind-sensor automatically ensures that the awning is extended. Light sensors located on the window control each roller shutter individually. Even when you are not at home.

Improved security

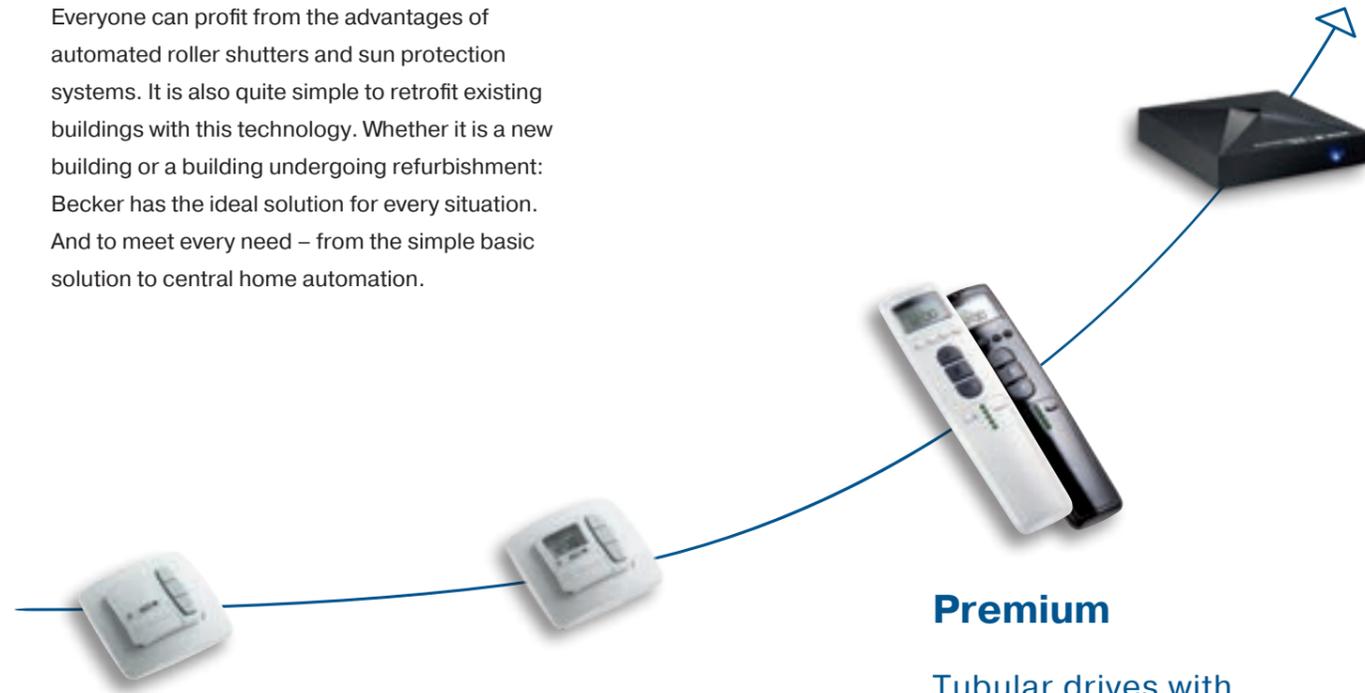
Even when you are not at home, the wind sensor ensures that the awning is retracted, before you even notice a change in the weather. With fully automatic roller shutters it always looks like someone is at home and they cannot be simply pushed open.

Environmental protection

Automated roller shutters and sun protection systems help you save on expensive air-conditioning systems. Fully automatic roller shutters reduce the need for heating in the winter and air conditioning in the summer. Fully automatically. Protect the environment for current and future generations!

Which Becker solution is the best for me?

Everyone can profit from the advantages of automated roller shutters and sun protection systems. It is also quite simple to retrofit existing buildings with this technology. Whether it is a new building or a building undergoing refurbishment: Becker has the ideal solution for every situation. And to meet every need – from the simple basic solution to central home automation.



Comfort

Tubular drives with electronic limit switches

- New building** ✓
- Renovation** ✓
- Modernisation** ✓

Drives with electronic limit switches offer greater safety and comfort. If an object (e.g. a forgotten flower pot) prevents your roller shutters from closing, they stop automatically. The electronic limit switches also recognise if a roller shutter is frozen to a window sill in the winter and stop the drive automatically to avoid excessive forces which could damage the roller shutter. Incredibly practical – especially for bay windows: Several drives can be controlled in parallel.

Comfort +

Tubular drives with electronic limit switches and EVO technology

- New building** ✓
- Renovation** ✓
- Modernisation** ✓

The new Evolution generation of drive systems uses the latest technology to ensure extremely quiet running. A proprietary app makes it even easier to change settings such as the drive mode. In addition to the standard drive settings you can also choose Whisper mode, which slows down the drive and reduces noise. Perfect for use in a child's bedroom.

Premium

Tubular drives with integrated radio receiver

- New building** ✓
- Renovation** ✓
- Modernisation** ✓

If flexibility is top of your list, drives with an integrated radio-controlled receiver are the ideal solution. Your roller shutters can then be controlled individually, in groups or centrally, and existing groups can be expanded or modified quite easily. The highlight: Selected radiocontrolled drives (CentronicPlus) transmit signals bidirectionally and indicate their status immediately. In combination with central home automation, they can be activated and adjusted from almost any location. For example, you can always view whether your roller shutters have closed properly.

Home automation CentralControl

Central home automation allows you to be in control of your home at any time – wherever you are. Besides your roller shutters and sun protection systems, you can control lamps, radiators, etc. using the CentralControl, a smartphone, a tablet or a similar device. The current position or the status of the connected appliances is displayed graphically in an instant. Many things are possible today – but tomorrow promises much more.

- New building** ✓
- Renovation** ✓
- Modernisation** ✓



Roller shutters



Control roller shutters intelligently. With Becker.



Home automation CentralControl: The future for your home

CC41: Control roller shutters intelligently and centrally.

- Control of CentronicPLUS, Centronic and B-Tronic radio-controlled products
- Configuration via free Becker CentralControl app
- Operation via smartphone, tablet or desktop
- Organisation of receivers, groups and scenarios, incl. time control and holiday function
- Voice control using Amazon Alexa
- Local data storage on the central control unit, option to access on the move via secure cloud connection



„Alexa - Welcome to Becker“

- Control your CentralControl with Amazon Echo speech recognition
- The Becker skill ensures that the two systems can be effortlessly combined
- Create scenarios in the CentralControl and link it to the Alexa app



Handheld transmitter to control bi-directional drives (CentronicPlus)

- Compatible with CentronicPLUS radio system
- Available as 1-, 8- and 16-channel hand-held transmitter
- Multicolour display (10-segment) for simple status feedback, setting and start-up
- Simple group setup and automatically created central channels
- Simple start-up by automatic selection of the nearest drive/receiver

Just sit back and relax.

Fully automatically: With roller-shutter drives from Becker

Day and night, summer and winter – your home is where everything revolves around you. Around your comfort, your safety and in the knowledge that everything is under control. You decide when your roller shutters open and close fully automatically or at the push of a button.

This means that not only is less effort required on your part, but you can also help to reduce your heating bill by up to 30%. At the same time you protect your home against the harmful rays of

the sun. This is possible due to the individual sunshine control, which also keeps rooms nice and cool even when you are away from home. On the other hand, careful selection of drives make life much more difficult for burglars by locking the roller shutters if an attempt is made to force them open and automatically closing them if a window is smashed.

**It is so easy to enjoy life to the full.
With Becker.**



Radio control units: Stay flexible

Basic features

- Transmitter
Example: EC545-II
- 5-channel handheld transmitter with 5 individual commands and one central command
 - 1 roller shutter or a group of drives can be controlled per channel
 - Easy creation and modification of groups

- Wall-mounted transmitter
Example: EC415-III
- Can be integrated into a number of common switch programs



Comfort features

- Automatic controls
Example: MC441-II
- Memory function for the easy programming of switching times
 - Remote control of one roller shutter or a group of drives

- Wall-mounted transmitter
Example: MC411-III
- Can be integrated into a number of common switch programs



Premium features

- Radio control units
Example: TC4410-II
- To control 10 drives / groups individually
 - Central channel „all“
 - Numerous preset functions
 - Astro evening function
 - Holiday programme
 - Timer

- Radio-controlled light sensor
Example: SC431-II
- Sensor for sunshade and twilight function
 - Glass break sensor
 - Wireless connection to the window pane



Wired controls: Comfort at the push of a button

Basic features

- Switch
Example: EC52
- Can be used as locking or non-locking push-button switch
 - Can be integrated into a number of common switch programs
 - One function per button: Up, Stop, Down



Comfort features

- Automatic controls
Example: MC42
- Memory function for the easy programming of switching times
 - Intelligent pushbutton with self-locking mode
 - Manual control or automatic switching times possible



Premium features

- Control with light sensor
Example: TC52 + SC43
- Numerous preset functions
 - Astro- and Holidayfunction
 - Easy-to-use control
 - Power reserve in the event of power failure (programmed times are not lost)
 - Brightness control via light sensor (optional)

Did you know?
A multi-channel handheld transmitter can be used to control your roller shutters and other appliances (sun protection system, lamps, etc.). One for all – plain and simple.

Premium Technology

Maximum flexibility

Tubular drives with integrated radio receiver

- Sensitive obstacle detection prevents damage if the drive hits an obstacle while extending
- The fly screen protection function prevents damage to the insect screen if it is left open while the roller shutter is extending
- Jam detection in up and down direction (anti-freeze protection)
- The contact force of integrated anti-lifting devices is increased automatically to stop intruders
- Controlled via interference-free radio frequency (868 MHz) with high range and alternating transmission protocol
- Integrated memory function for the easy setting and saving of control periods
- On-site operation is possible with a conventional single button
- Available in versions (C01):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–40 Nm

- Additional advantages of the radio-controlled drive generation CentronicPlus:
- Integrated bi-directional radio-controlled receiver
 - Drives indicate their status immediately
 - Mesh technology enables the drives to automatically interconnect to form a very efficient network
 - Ideal for central home automation



Comfort Technology

Convenient and secure

Tubular drives with electronic limit switches and Evolution technology

- Evolution technology ensures especially quiet running
- Optional Bluetooth® interface with associated app, which can be used to adjust settings including the drive modes:
 - Standard drive mode
 - Whisper drive mode is extra-smooth, e.g. for use in a child's bedroom
 - Dynamic drive mode for rapid roller shutter retraction
- Jam detection in up and down direction (anti-freeze protection)
- Sensitive obstacle detection prevents damage if the drive hits an obstacle while extending
- The contact force of integrated anti-lifting devices is increased automatically to stop intruders
- Available in versions (EVO R):
 - Ø 45 mm 8–20 Nm

EVO LUTION



Tubular drives with electronic limit switches

- Sensitive obstacle detection protects the roller shutter from damage should it strike an obstacle when extending
- The fly screen protection function prevents damage to the insect screen if it is left open while the roller shutter is extending
- Jam detection in up and down direction (anti-freeze protection)
- Can also be fitted with integrated anti-lifting devices to stop intruders
- Available in versions (E01):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–40 Nm



Radio control units

- Transmitter EC541-II / EC545-II/EC5410-II
- 1-channel/5-channel-/10-channel transmitter
 - 1 or up to 10 receivers/ receiver groups can be controlled
 - Single or central control
 - Available in black and white

- Timer 5-channel handheld transmitter with display TC445-II
- 5 drives / groups individually controllable
 - Central channel „all“
 - Astro evening function

- 10 channel handheld transmitter TC4410-II
- Seperate time control for every channel

- Wall-mounted transmitter EC415-III
- 5 channels with LED display
 - Can also be used as a handheld unit
 - Can be integrated in switchgear with a 55 x 55 mm central plate
 - Single, group or central control unit

- Light sensor, radio controlled SC431-II
- Sunshade and twilight function
 - Integrated glass-break vibration sensor

Central control for your Becker home automation

- CentralControl CC41
- Control via smartphone or tablet even when on the move
 - Individually programmable time control including holiday function
 - Easy organisation of receivers, groups and scenarios

EasyControl EC541 PLUS / EC548 PLUS / EC5416 PLUS

- 1-channel/8-channel/16-channel transmitter
- Compatible with CentronicPLUS radio system
- Multicolour display (10-segment) for simple status feedback, setting and start-up
- Simple group setup and automatically created central channels
- Simple start-up by automatic selection of the nearest drive/receiver

External receivers for roller shutters

Simple retrofitting

- Single control unit with radio receiver UC520
- Integrated radio receiver
 - Blind-mode: Exact setting of blind louvres via jogging mode
 - Memory function for the easy programming of switching times

- Radio receiver roller shutter VC320
- Mountable in roller shutter box
 - Memory function for the easy programming of switching times

- Radio socket VC180-II
- Switching of 230 V appliances
 - Switching capacity of up to 2,000 W

- Flush-mounted radio receiver VC420-II
- Ideal for retrofitting existing drives with a radio control unit
 - Can be used as a lighting control unit

- Floating radio receiver VC520
- Potential free switching contact
 - Suitable, e.g., for alarm systems

Timer TC52 and TC42

- Date, time and control programme are preset
- Individual switching times can be easily set
- Astro- and Holidayfunction
- Light sensor connection for TC52

Memory pushbutton MC42

- Intelligent pushbutton with self-locking mode
- Easy programming of two switching times (UP/DOWN)

U26

- Clearly arranged display
- Simple operation
- Individually programmable and pre-programmed switching times
- Holiday and weekly function
- Power reserve in the event of power failure (saved times are not lost)
- In combination with light sensor LS26: Sun and twilight function
- Can be integrated into switching ranges from many manufacturers

Individual controls

For direct control of the drive

- Switch/Taster EC42
- Can be used as locking or non-locking push-button switch
 - Pro Taste eine Funktion (Auf, Stopp, Ab)
 - Einbau in jede Unterputz-Switchdose Ø 58 mm möglich

- Switch/Taster EC52
- Can be used as locking or non-locking push-button switch
 - Pro Taste eine Funktion (Auf, Stopp, Ab)
 - Integrierbar in verschiedene Unterputz-Switchprogramme (Ø 58 mm)

Group controls

For group and individual control of drives

- Individual control device UC42 / UC45
- One device for an individual, group and central control unit
 - Can be combined with any type of switchgear
 - Simple installation in any deep switch box behind the operating element
 - Timers can be connected in series
 - Blind-mode: Exact setting of blind louvres via jogging mode
 - UC45: Ideal for installation in control cabinets

Individual control device with control unit UC52

- One device for an individual, group and central control unit
- Can be integrated into most common switchgear
- Slide switch for easy changing between manual and automatic mode
- 2 freely selectable intermediate positions can be programmed
- Blind mode: Exact adjustment of blind laths in touch mode

Sun Protection



Control sun protection systems intelligently. With Becker.

Maximum shade at the push of a button!

Let the sun into your heart
... Becker will take care of everything else

A good book, a cup of coffee in the afternoon or a barbecue with friends: There are lots of reasons to sit outside in the summer and enjoy the sunshine. And with Becker nothing can spoil your good mood.

If it gets too hot, simply extend the awning at the push of a button and protect yourself, your family and your friends from the sun's rays. The intelligent control ensures you are prepared for whatever the weather may have in store: a cloudy sky, a strong breeze or a sudden downpour – the awning knows exactly what to do – fully automatically. It prevents

the frequent extending and retracting of the awning when patches of cloud float by, but makes sure it is safe and sound as soon as there is a threat of it being damaged or getting wet.

And when the sun comes out again, your automatic sun protection system returns to the exact same position at the click of a button. Keep the inside of your home nice and cool, while protecting your furniture against fading. Because at the end of the day all the sun should do is: put a smile on your face.



Patio and vertical awnings

(Examples)



Basic features

- Sun-wind set
Example: SWS52
- Preset time and date
 - Easy programming
 - Sensor for sun and wind protection



Comfort features

- Handheld transmitter with sensor
Example: SWC241-II with SC211-II
- Easy setting of the wind threshold values on the hand-held transmitter
 - Pitch sensor to protect the awning in the event of overloading, e.g. due to excessive water



Premium features

- Sun, wind and rain protection with sensor
Example: SWC745-II with SC911
- Date, time and threshold values preset in the 5-channel hand-held transmitter
 - Integrated rain sensor
 - Set the threshold values using the hand-held transmitter
 - Universal use for external sun protection



Venetian blinds

(Examples)



Basic features

- Switch
Example: EC52
- Can be used as locking or non-locking push-button switch
 - Can be integrated into a number of common switch programs
 - One function per button: Up, Stop, Down



Comfort features

- Automatic controls
Example: SWC441-II / SWC411 with SC811
- Sensor for sun and wind protection
 - Easy setting of wind and sun threshold values on the handheld transmitter
 - Available as a handheld and wall-mounted transmitter
 - Wall holder and labelling space on the back



Premium features

- Sun, wind and rain protection with sensor
Example: SWC745-II with SC911
- Date, time and threshold values preset in the 5-channel hand-held transmitter
 - Integrated rain sensor
 - Set the threshold values using the hand-held transmitter
 - Universal use for external sun protection



Roller blinds

(Examples)



Basic features

- Automatic control unit
Example: MC42
- Memory function for the easy programming of switching times
 - Easy switching between manual and automatic mode



Comfort features

- Transmitter
MC441-II/EC541-II
- Easy programming of switching times
 - Wall holder and labelling space on the back
 - Interference-free radio frequency



Premium features

- Transmitter
TC4410-II
- 10-channel handheld transmitter with timer
 - Individual times can be set for each channel and day
 - Date, time and control programme are preset
 - Easy programming
 - Astro evening function
 - Automatic summertime/wintertime adjustment
 - Holiday programme

Premium Technology

Wireless flexibility

Tubular drives with integrated radio receiver

- Universal use in many shading systems, e.g. articulated arm awnings, cassette awnings, and screens
- Increased closing forces for cassette awnings
- Blockage detection when extending and retracting to safeguard your sun protection system
- The automatic curtain length compensation system means your sun protection system always travels the same route when extending, so you do not have to readjust the end position
- You also have the option of activating the fabric tightening function, which ensures that the curtain always remains elegant and taut when extended
- Optionally, the cloth slackening function can be switched on to ensure that the curtain is not wrapped too tightly around the shaft when retracted
- Controlled via interference-free radio frequency (868 MHz) with high range and alternating transmission protocol
- On-site operation is possible with a conventional single button
- Available in versions (C12):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–50 Nm
 - Ø 58 mm 44–120 Nm



Comfort Technology

Intelligent sun shade

Tubular drives with electronic limit switches

- Universal use in many shading systems, e.g. articulated arm awnings, cassette awnings, and screens
- Increased closing forces for cassette awnings
- Blockage detection when extending and retracting to safeguard your sun protection system
- The automatic curtain length compensation system means your sun protection system always travels the same route when extending, so you do not have to readjust the end position
- You also have the option of activating the fabric tightening function, which ensures that the curtain always remains elegant and taut when extended
- Optionally, the cloth slackening function can be switched on to ensure that the curtain is not wrapped too tightly around the shaft when retracted
- Available in versions (E12):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–50 Nm
 - Ø 58 mm 44–120 Nm



Sun protection drives for „ZIP“ applications with electronic limit switches

- Can be used for zip screens
- Sensitive obstacle detection prevents damage if the drive hits an obstacle while extending
- Blockage detection when retracting to safeguard your sun protection system
- The automatic curtain length compensation system means your sun protection system always travels the same route when extending, so you do not have to readjust the end position
- Optionally, the cloth slackening function can be switched on to ensure that the curtain is not wrapped too tightly around the shaft when retracted
- Available in versions (E18):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–40 Nm
- The variants are also available with integrated radio receiver (C18):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–40 Nm



Radio control units



- Transmitter EC541-II / EC545-II
- 1-channel/5-channel transmitter
 - Single or central control
 - Available in black and white
 - 5 drives / groups can be controlled individually



- Radio controlled sun-wind-rain sensor SC911
- Integrated rain sensor
 - Threshold values can be set at the transmitter, e.g. SWC441-II
 - Universal application for outdoor sun protection
 - Adjustable sensor foot for optimum mounting



- Transmitter SWC442-II for sun-wind-control
- Sun and wind threshold values can be set easily at the transmitter
 - Additional channel, incl. button for switching lights on/off (e.g. patio light)
 - Also ideal for awnings with light strips

- Radio-controlled sun-wind-set SWS441-II / SWS641-II
- Easy installation with no extra wiring required
 - Sun and wind threshold values can be set easily at the transmitter
 - Universal application for outdoor sun protection
 - SWS641-II: Solar cell power supply



- Sun-wind-control SWC745-II in handheld transmitter with display
- 5-channel transmitter
 - Automatic sunshade times and individually adjustable threshold values for each channel
 - Automatic summertime/wintertime adjustment
 - Easy change between manual and automatic mode
 - 2 freely selectable intermediate positions can be programmed for each channel

- Radio controlled Solar sun sensor SC561
- With integrated solar power supply, there is no need to lay cables to the main power supply
 - Universally applicable for exterior sun protection



Sun-wind-controls



- Sun-wind-control with sensor SWS52
- Date, time and threshold values are pre-set
 - Easy programming



- Radio-controlled sun-wind-set SWS241-II
- Integrated radio receiver
 - Ideal for retrofitting mains operated drives
 - Sun and wind threshold values can be set easily at the transmitter
 - Universal application for outdoor sun protection

External receivers



- Sun-Vario-Set SVS241-II
- Handheld transmitter with radio controlled receiver
 - For the simple retrofitting of a motorised sun protection system with radio control technology
 - Receiver with standardised connector
 - Suitable for awnings and venetian blinds
 - Easy retrofitting of sun-wind sensors



- Single control unit with radio receiver UC520
- Integrated radio receiver
 - Ideal for retrofitting mains operated drives
 - Sun and wind threshold values can be set easily at the transmitter
 - Easy change between manual and automatic mode
 - Blind mode: Exact adjustment of blind laths in touch mode

Individual controls

For direct control of the drive



- Switch / pushbutton EC41 / EC42
- Can be used as locking or non-locking push-button switch
 - EC41: Surface-mounted housing
 - EC42: Flush-mounted device



- Sun-wind-control with sensor SWS52
- Date, time and threshold values are pre-set
 - Easy programming
 - Mains operated control unit

Group controls

For the group and individual control of drives



- Individual control device UC42 / UC45
- Single, group and central control
 - Can be combined with any type of switchgear
 - Simple installation in any deep switch box behind the operating element
 - Timers and sun protection controls can be connected in series
 - Blind-mode: Exact setting of blind louvres via jogging mode
 - UC45: Ideal for installation in control cabinets



A reassuring feeling ...

... is fully guaranteed with Becker products. Since in addition to outstanding quality, you are also treated to excellent service: from expert advice to professional installation. This is the reason why Becker solutions are only available from authorised dealers. To ensure that you are not only satisfied, but absolutely delighted with our products.

Together it's easier.

With Becker.

BECKER-Antriebe GmbH

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