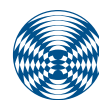




Automatically **more safety,** **comfort and quality of life**

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 fourth 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

Roller shutters that are closed in good time effectively reduce heat loss through the window and save heating costs. Modern roller shutters provide insulation – they protect from the cold in winter and keep out heat radiation in summer. When used consistently, this can save you up to 15% in energy costs, depending on the building structure.

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 benefit from the advantages of automated drives for roller shutters and sun protection systems. They can also be added to existing living spaces quite easily. Whether new construction, renovation or modernisation, with Becker you will find the right solution for every situation. Just like for every requirement – from the simple solution to central roller shutter and sun protection control.



Comfort

Automation with on-site operation

Safety and convenience thanks to drives with electronic limit switching and the appropriate on-site controls. The drives automatically stop before your roller shutter accidentally hits an obstacle (e.g. a flower pot). Even if the roller shutter should freeze in winter, these drives stop automatically and prevent it from being raised, thus protecting the roller shutter. This solution is made particularly convenient by a timer which is used to automatically open and close the roller shutters at set times.

Comfort +

Automation by radio and operation with hand-held transmitters

If you value flexibility, drives with integrated radio receivers are the ideal solution for you. This allows you to control your roller shutters individually, in groups or centrally and to easily expand or change existing groups. Using the hand-held transmitter, you can also lower your roller shutters from the sofa to settle down for a cosy film night, for example. With our radio drives you are also “Fit for Smart Home” and can retrofit your radio products with the CentralControl CC41 roller shutter and sun protection central control.

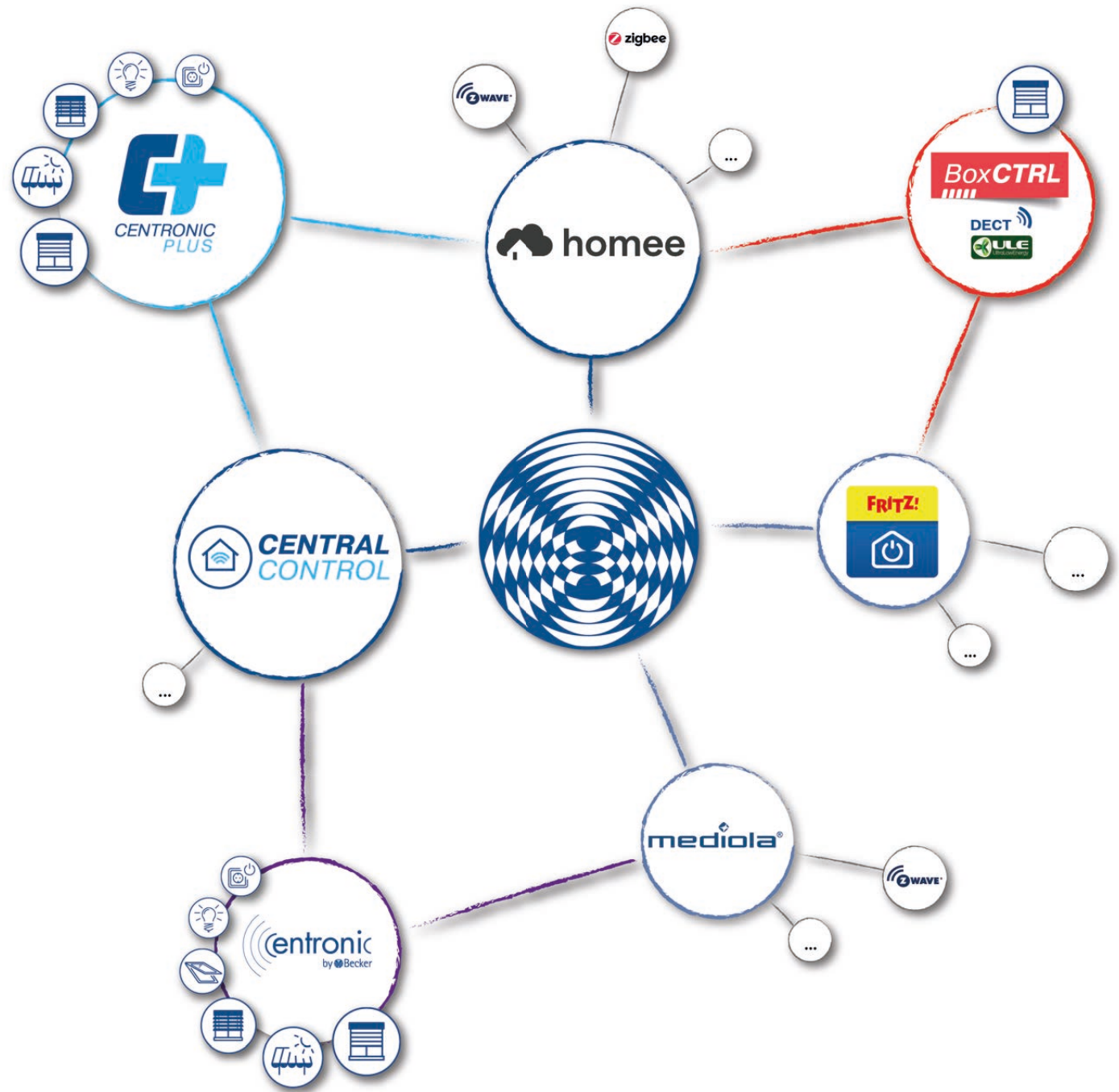
Premium

Smart roller shutters and sun protection central control

With the CentralControl CC41 central control for roller shutters and sun protection, you can have control of your home at any time – even when you’re not there. Using the integrated function for timers, you can easily activate the astronomical function or set fixed times. This way, your roller shutters go up and down automatically or lights switch on and off. You can control everything via smartphone or tablet using CentralControl. With the CentronicPlus bidirectional radio system, the current position or status of the connected devices is immediately displayed graphically. But your Centronic devices can also be integrated very easily and everything can be controlled together in the one place.

Radio solutions as individual as you are!

In addition to Becker’s own CentralControl, we are open to other standards on the market with various radio products. This means the BoxCTRL drive series can be controlled via your FRITZ!Box, for example. This means you do not need another third-party gateway. Becker has developed its own CentronicPlus Cube for the homee system. This can be easily integrated into an existing homee automation and all of the compatible devices can be connected in one app.



Roller shutters



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 not only saves power, but also uses 15% less energy. At the same time, you protect your home from aggressive solar radiation. This is made

possible by the individual regulation when the sun shines, which prevents the rooms in the home from heating up even when you're gone. Selected drives also make break-ins more difficult by blocking when the roller shutters are raised up and closing the shutters automatically via a sensor in the event of glass breakage.

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

Control roller shutters intelligently. With Becker.



CentralControl: The smart roller shutter and sun protection central control

CC41: Control roller shutters intelligently and centrally.

- For the control of roller shutters and sun protection, light, household appliances and many other devices
- Centronic and CentronicPlus radio products can be controlled using this
- Local data storage on the device, option to access on the move via secure remote access
- Commissioning, configuration and operation possible via free CentralControl app
- Operation via smartphone, tablet or desktop
- homee and CentralControl parallel operation possible
- Voice control possible via Amazon Alexa



Did you know?

With the CC41 roller shutter and sun protection central control, you can control other applications alongside your roller shutters (sun protection, light, etc.). Everything in one place – very simple.



Creating a smart home cube by cube

- Control your CentronicPlus devices via smartphone or tablet
- On-site operation via Becker hand-held and wall transmitters
- The CentronicPlus Cube makes it possible to link the Becker radio to the homee radio worlds
- Easy system expansion based on a modular principle
- Voice control via Amazon Alexa, Google Assistant and Apple HomeKit (Beta)



Radio control units: Stay flexible



Transmitter

Example: EC545-II

- 5-channel handheld transmitter
- Channels can be controlled independently from one another
- Enables the programming of two intermediate positions per channel
- Integrated transmission pilot lights

Wall-mounted transmitter

Example: EC411-III

- Can be integrated into switch ranges from many manufacturers



Automatic controls

Example: MC441-II

- Enables the programming of one memory time each for the up and down direction
- Enables the programming of two intermediate positions

Wall-mounted transmitter

Example: MC411-III

- Can be integrated into switch ranges from many manufacturers



External radio receiver

Example: VC420 PLUS

- Flush-mounted receiver for retrofitting wired drives with CentronicPlus radio
- Any kind of button can be connected

Switching actuator

Example: LC120 PLUS

- External switching actuator for retrofitting lighting with CentronicPlus radio
- Any switch/push-button can be connected

Wired controls: Comfort at the push of a button



Switch

Example: EC52

- Function between button and switch switchable
- Complete with frame
- Can be fitted into any flush-mounted device socket with 58 mm diameter



Automatic controls

Example: MC42

- Two memory switching times with daily repetition programmable
- Complete with frame
- Adapter frame enables integration in various switch ranges



Control with light sensor

Example: TC52 + SC43

- Daily, block and weekly program can be programmed
- Astronomical function for morning and evening saves readjusting the switching time
- Adapter frame enables integration in various switch ranges
- Light sensor (optional) to control brightness

Premium Technology

Radio technology provides full flexibility

Roller shutter drives with integrated bidirectional radio receiver

- Blockage detection: Switches off in the event of obstructions (e.g. due to freezing)
- Sensitive obstacle detection in the DOWN direction for optimal protection of the application and the obstruction
- Automatic increase of the pressing force when using rigid shaft connectors to support protection against break-ins
- Fly screen protection function: Detects an open insect screen door and prevents damage to the system
- On-site operation possible via a wired 1-way button
- Compatible with sun/wind/rain sensors for maximum convenience
- Compatible with the Centronic control programme
- Available in versions (C01 PLUS):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–40 Nm

Comfort Technology

Convenient and secure

Tubular drives with electronic limit switches and Evolution technology

- Evolution technology makes it possible to choose a variety of different travel profiles: Standard, dynamic or silent operation
- Particularly smooth-running motor technology
- Blockage detection: Switches off in the event of obstructions (e.g. due to freezing)
- Sensitive obstacle detection in the DOWN direction for optimal protection of the application and the obstruction
- Automatic increase of the pressing force when using rigid shaft connectors to support protection against break-ins
- Fly screen protection function: Detects an open insect screen door and prevents damage to the system
- Available in versions (EVO R):
 - Ø 45 mm 8–20 Nm
 - Also with Bluetooth® interface and for roller shutters with blind function

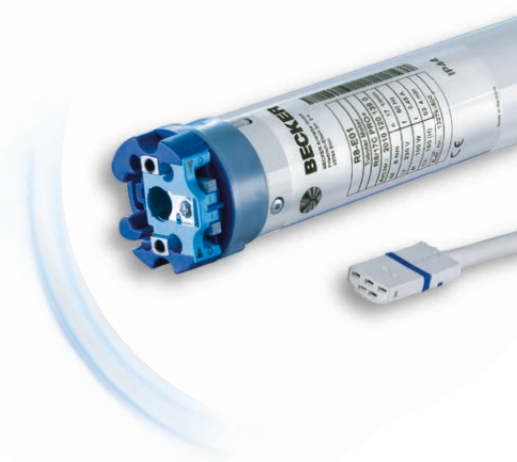
Tubular drives with electronic limit switch

- Blockage detection: Switches off in the event of obstructions (e.g. due to freezing)
- Sensitive obstacle detection in the DOWN direction for optimal protection of the application and the obstruction
- Automatic increase of the pressing force when using rigid shaft connectors to support protection against break-ins
- Available in versions (E01):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–40 Nm

CENTRONIC  PLUS



 EVO LUTION



Radio control units



- Transmitter EC541-II / EC545-II/EC5410-II**
- Compatible with the Centronic radio
 - 1-channel/5-channel-/10-channel transmitter
 - Enables the programming of two intermediate positions
 - Integrated transmission pilot lights
 - Available in black and white



- Wall-mounted transmitter EC411-III / EC415-III**
- Compatible with the Centronic radio
 - 1-channel/5-channel wall-mounted transmitter
 - Enables the programming of two intermediate positions pro Kanal
 - Integrated transmission pilot lights
 - Can be integrated into switch ranges from many manufacturers



- Light sensor, radio controlled SC431-II**
- Integrated glass-break vibration sensor
 - Easy mounting on the window pane directly



- Wall transmitter with timer TC511**
- Compatible with the Centronic radio
 - Daily, block and weekly program can be programmed
 - Astronomical function for morning and evening



- Transmitter EC541 PLUS / EC548 PLUS / EC5416 PLUS**
- Compatible with the CentronicPlus radio
 - 1-channel/8-channel-/16-channel transmitter
 - Enables the programming of one memory time each for the up and down direction
 - Simple start-up by automatic selection of the nearest receiver
 - Optical operating feedback via LED animations

External receivers for roller shutters

for simple retrofitting of wired solutions to radio



- Flush-mounted radio receiver VC420 PLUS**
- Two memory switching times with daily repetition programmable
 - The device feeds its position or switching state and status information back to the operator unit and gateway
 - An additional operator control can be connected
 - Can be fitted into any flush-mounted device socket with 58 mm diameter
 - Can be combined with any switch range



- Floating radio receiver VC520 PLUS**
- Two memory switching times with daily repetition programmable
 - The device feeds its position or switching state and status information back to the operator unit and gateway
 - Optional floating switching contact e.g. for controlling staircase lighting
 - Can be fitted into any flush-mounted device socket with 58 mm diameter
 - Can be combined with any switch range

Individual controls

for operating the drive on site



- Switch/push-button EC41**
- Function between button and switch switchable
 - Complete with surface-mounted housing



- Switch/push-button EC52**
- Function between button and switch switchable
 - Complete with frame
 - Can be fitted into any flush-mounted device socket with 58 mm diameter



- Single, group and central control unit UC42 / UC45**
- Single, group or central control unit
 - Timers can be integrated upstream
 - Can be combined with any switch range
 - Can be fitted into any flush-mounted device socket with 58 mm diameter
 - **UC45:** for mounting in the control cabinet

Single, group and central control units

For group and individual control of drives

Central control units



- Intelligent roller shutters and sun protection central control CentralControl CC41**
- For the control of roller shutters and sun protection, light, household appliances and many other devices.
 - Centronic and CentronicPlus radio products can be controlled using this
 - Local data storage on the device, option to access on the move via secure remote access
 - Commissioning, configuration and operation possible via free CentralControl app
 - Operation via smartphone, tablet or desktop
 - homee and CentralControl parallel operation possible
 - Voice control possible via Amazon Alexa



- homee CentronicPLUS Cube**
- Control your CentronicPlus devices via smartphone or tablet
 - On-site operation via Becker hand-held and wall transmitters
 - The CentronicPlus Cube makes it possible to link the Becker radio to the homee radio worlds
 - Easy system expansion based on a modular principle
 - Voice control via Amazon Alexa, Google Assistant and Apple HomeKit (Beta)

Timer



- Timer TC52 and TC42**
- Daily, block and weekly program can be programmed
 - Astronomical function for morning and evening
 - Adapter frame enables integration in various switch ranges
 - Brightness control by light sensor with TC52



- Memory pushbutton MC42**
- Two memory switching times with daily repetition programmable



- Timer U26**
- Daily or weekly program can be programmed
 - Holiday function can be activated
 - Shade and twilight function
 - Large, easy-to-read display
 - Can be fitted into any flush-mounted device socket with 58 mm diameter



Sun protection



Maximum shade at the push of a button!

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

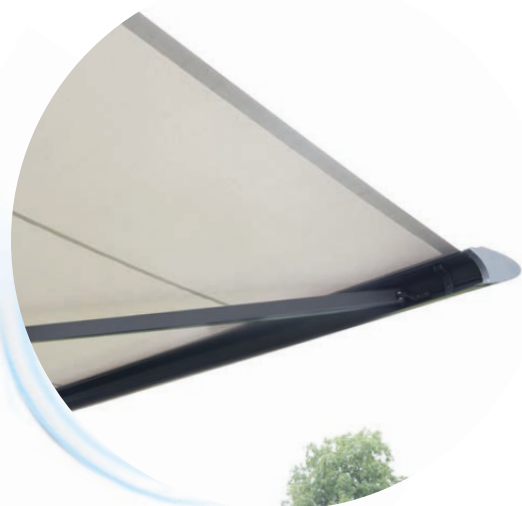
A good book, a cup of coffee in the afternoon or a barbecue with friends: There are lots of reasons to sit outside in the summer and enjoy the sunshine. And with Becker nothing can spoil your good mood.

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.

Control sun protection systems intelligently. With Becker.



Patio and vertical awnings



Transmitter with wind sensor
Example: SWC241-II with SC211-II

- Setting the threshold values possible directly on the device
- Single, group or central control unit
- Integrated transmission pilot lights
- Overload detection, e.g. by pool of water
- Optimum monitoring of wind movements directly on the front section of the awning



Transmitter with sun, wind and rain sensor
Example: SWC541 PLUS with SC911 PLUS

- Setting the threshold values possible directly on the device
- Automatic creation of group and central channels
- Optical operating feedback via LED animations
- Integrated rain sensor
- Integrated transmission pilot lights
- Adjustable sensor foot for optimum mounting
- Suitable for outdoor installation



Venetian blinds



Switch
Example: EC52

- Function between button and switch switchable
- Complete with frame
- Can be fitted into any flush-mounted device socket with 58 mm diameter



Automatic controls
Example: SWC441-II with SC811

- Setting the threshold values possible directly on the device
- Single, group or central control unit
- Integrated transmission pilot lights
- Supports connection of rain sensor
- Adjustable sensor foot for optimum mounting
- Suitable for outdoor installation



Transmitter with sun, wind and rain sensor
Example: SWC541 PLUS with SC911 PLUS

- Setting the threshold values possible directly on the device
- Automatic creation of group and central channels
- Optical operating feedback via LED animations
- Integrated rain sensor
- Integrated transmission pilot lights
- Adjustable sensor foot for optimum mounting
- Suitable for outdoor installation



Roller blinds



Automatic control unit
Example: MC42

- Two memory switching times with daily repetition programmable
- Complete with frame
- Adapter frame enables integration in various switch ranges



Transmitter
Example: EC545-II

- 5-channel handheld transmitter
- Channels can be controlled independently from one another
- Enables the programming of two intermediate positions per channel
- Integrated transmission pilot lights

Wall-mounted transmitter
Example: EC415-III

- Can be integrated into switch ranges from many manufacturers



Hand-held transmitter for controlling bidirectional CentronicPlus drives

- Available as a 1, 8 or 16-channel hand-held transmitter
- Enables the programming of one memory time each for the up and down direction
- Simple start-up by automatic selection of the nearest receiver
- Optical operating feedback via LED animations
- Mesh technology ensures the automatic networking of all devices to create a powerful network

Premium Technology

Wireless flexibility

Universal sun protection drives with integrated bidirectional radio receiver

- Blockage detection with multiple testing
- Two intermediate positions can be programmed
- Fabric untensioning: The drive protects the fabric by untensioning it in the upper stop limit position - function can be activated/deactivated
- Higher closing force for devices such as cassette awnings
- Memory function: Integrated timer can be activated via MemoControl transmitter
- On-site operation possible via a wired 1-way button
- Compatible with the Centronic control programme
- Available in versions (C12 PLUS):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–50 Nm
 - Ø 58 mm 50–120 Nm

CENTRONIC  PLUS



Radio control units

Transmitter SWC241-II / SWC245-II

- Compatible with the Centronic radio
- 1-channel/5-channel transmitter
- Single, group or central control unit
- Setting the wind threshold values possible directly on the device
- Enables the programming of two intermediate positions
- Available in black and white



Transmitter SWC441-II / SWC445-II

- Compatible with the Centronic radio
- 1-channel/5-channel transmitter
- Single, group or central control unit
- Setting the sun/wind threshold values possible directly on the device
- Enables the programming of two intermediate positions
- Available in black and white



Radio sun/wind/rain sensor SC911 PLUS

- Compatible with the CentronicPlus radio
- Integrated rain sensor
- Integrated transmission pilot lights
- Adjustable sensor foot for optimum mounting
- Suitable for outdoor installation



Transmitter SWC541 PLUS / SWC548 PLUS / SWC5416 PLUS

- Compatible with the CentronicPlus radio
- 1-channel/8-channel/16-channel transmitter
- Setting the threshold values possible directly on the device
- Simple start-up by automatic selection of the nearest receiver
- Optical operating feedback via LED animations

Central control units



Intelligent roller shutters and sun protection central control CentralControl CC41

- For the control of roller shutters and sun protection, light, household appliances and many other devices.
- Centronic and CentronicPlus radio products can be controlled using this
- Local data storage on the device, option to access on the move via secure remote access
- Commissioning, configuration and operation possible via free CentralControl app
- Operation via smartphone, tablet or desktop
- homee and CentralControl parallel operation possible
- Voice control possible via Amazon Alexa



homee CentronicPLUS Cube

- Control your CentronicPlus devices via smartphone or tablet
- On-site operation via Becker hand-held and wall transmitters
- The CentronicPlus Cube makes it possible to link the Becker radio to the homee radio worlds
- Easy system expansion based on a modular principle
- Voice control via Amazon Alexa, Google Assistant and Apple HomeKit (Beta)

Comfort Technology

Intelligent sun shade

Universal sun protection drives with electronic limit switching

- Blockage detection with multiple testing
- Fabric untensioning: The drive protects the fabric by untensioning it in the upper stop limit position - function can be activated/deactivated
- Higher closing force for devices such as cassette awnings
- Available in versions (E12):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–50 Nm
 - Ø 58 mm 50–120 Nm



Sun-wind-controls

Radio-controlled sun-wind-set SWS241-II

- Ideal for retrofitting wired drives
- Setting the threshold values possible via the sensor
- Changing between manual and automatic mode possible on the operating device directly



External receivers

Radio receiver and hand-held transmitter SWC548 PLUS and VC470 PLUS

- Setting the threshold values possible via the sensor
- Multicolour display for simple status feedback and start-up
- Blind mode: Two intermediate positions with tilt programmable and exact adjustment of slat angle possible



Flush-mounted radio receiver VC420 PLUS

- Two memory switching times with daily repetition programmable
- The device feeds its position or switching state and status information back to the operator unit and gateway
- An additional operator control can be connected
- Can be fitted into any flush-mounted device socket with 58 mm diameter
- Can be combined with any switch range

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

- Can be used for zip screens
- Blockage detection with multiple testing
- Sensitive obstacle detection with multiple testing
- Fabric untensioning: The drive protects the fabric by untensioning it in the upper stop limit position - function can be activated/deactivated
- Available in versions (E18):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–50 Nm
- Also available with integrated bidirectional radio receiver as premium equipment in the variants (C18 PLUS):
 - Ø 35 mm 5–9 Nm
 - Ø 45 mm 8–40 Nm



Individual controls

for operating the drive on site

Switch/push-button EC41

- Function between button and switch switchable
- Complete with surface-mounted housing



Switch/push-button EC52

- Function between button and switch switchable
- Complete with frame
- Can be fitted into any flush-mounted device socket with 58 mm diameter

Single, group and central control units

For the group and individual control of drives

Single, group and central control unit UC42 / UC45

- Single, group or central control unit
- Timers can be integrated upstream
- Can be combined with any switch range
- Can be fitted into any flush-mounted device socket with 58 mm diameter



- UC45: for mounting in the control cabinet





A reassuring feeling ...

... with products from Becker
you can rely on this 100 percent.
Because in addition to high quality,
you receive a comprehensive
service: from expert advice to
professional installation. That's
why it's best to purchase Becker
solutions from qualified specialist
retailers. So that you as a customer
are not only satisfied, but happy
too.

**Together it's easier.
With Becker.**

BECKER-Antriebe GmbH

Drives and controls for roller
shutters, sun protection and
Extended Applications

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