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Sun Shading Solutions **Nice**

Yubii® Home

Modern home automation

elero – partner to the specialist trade
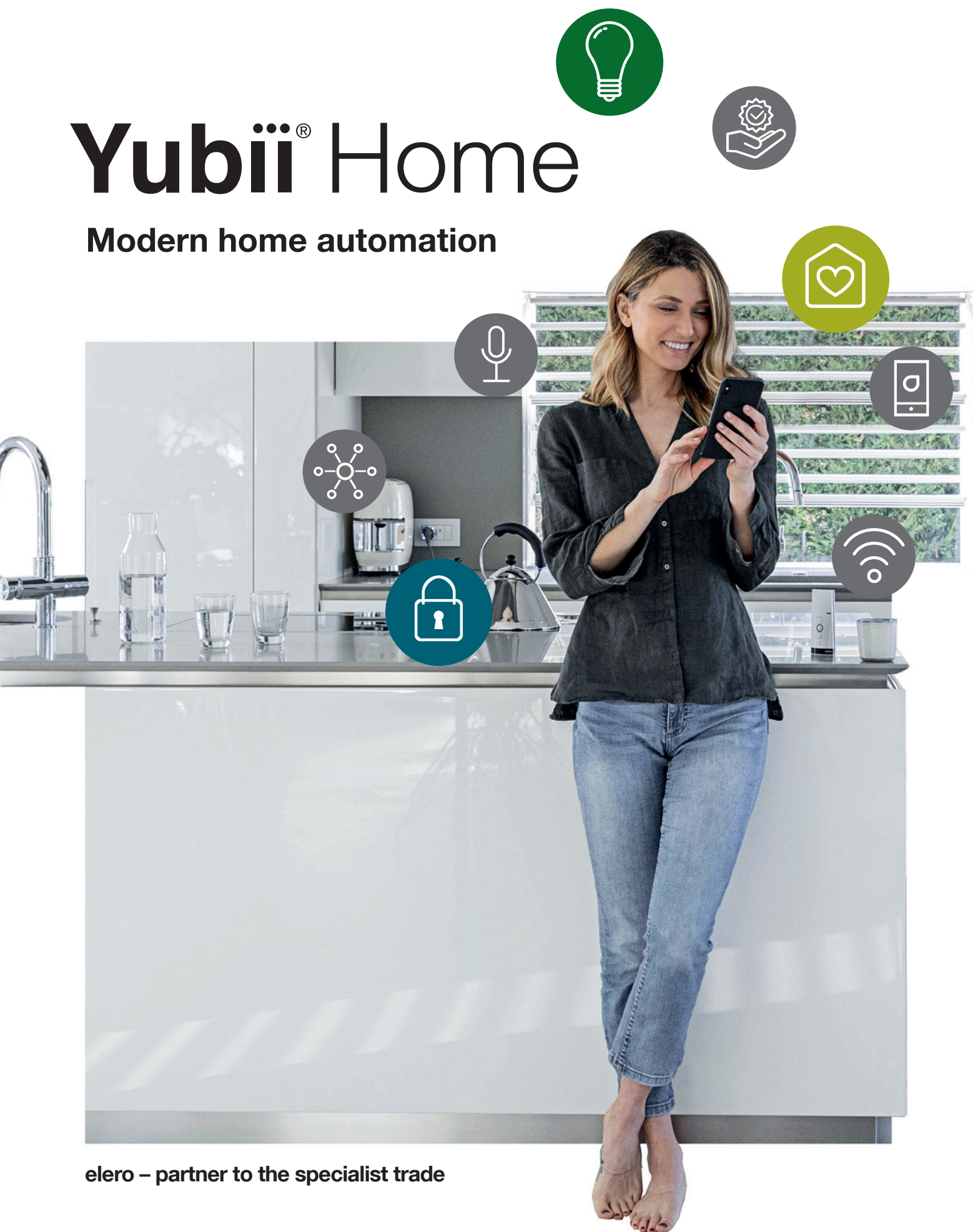
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Smart elero world

A smart home is primarily about making living safer and more comfortable as well as about saving energy. The daily routines of the users are facilitated by automatic scenes, voice commands and the remote control of devices. Smart home solutions are increasingly in demand – both for new buildings and for retrofitting. If you want to remain flexible, choose an open system that can also incorporate devices from other manufacturers.

Systems for every requirement:

As an international reference in building automation, we meet the high demands of the market and offer you smart home systems for every requirement.

Yubii® Home

The smart home system fully automates your house or flat and is a genuine all-in-one system offering a world full of possibilities. Versatile, flexible and reliable.

CENTEROHOME
by elero

For a smart application with the focus on privacy and sun protection, Centero Home is a user-friendly and market-driven solution.

Yubii Home

The smart home system fully automates your house or flat and is a genuine all-in-one system offering a world full of possibilities.

Yubii Home will make your home smart and your life easier. The versatile gateway integrates products and radio protocols from elero and Nice. Countless devices from other brands can be incorporated into the system thanks to its compatibility with the Z-Wave® protocol.

Automation and intelligent links allow the user to benefit from more:

• Living comfort and quality of life
• Safety
• Sustainability and energy saving
• Cost saving

Yubii Home is the heart of the new smart home. The smart hub manages all smart devices and communicates with them. It receives the data from the Z-Wave sensors, processes them and has suitable operations carried out. The Amazon Alexa, Google Assistant and Siri Shortcuts voice assistants allow all applications to be controlled with ease by voice. Even from anywhere in the world – with the Yubii app on your smartphone or tablet.
Almost all bidirectional elero radio drives and radio receivers can be integrated into the Yubii Home smart home environment.

works with
Indicated with this logo: **Yubii** Home

In addition, Yubii Home is compatible with more than 3,000 devices from other well-known manufacturers. Furthermore, the gateway can support an IP camera and up to five devices by means of app plug-ins.

CENTERO HOME

For a smart application with the focus on privacy and sun protection, Centero Home is a user-friendly and market-driven solution. A modular system, which also permits contemporary extensions with home technology equipment from other manufacturers.

Two different apps for specialists and users:

• Centero Connect – the installation app for your specialist partner
• Centero Home – the application app for convenient operation

Centero Home is an ideal introduction to the smart home world. The monitoring, control and automation of home automation products is possible by radio control (868 MHz, 433 MHz), IP and infrared. Centero Home can be used both in the cloud and locally in a WLAN. All functions related to sun protection and roller shutter control are covered. In addition, home automation and security components as well as lifestyle products from other manufacturers can be integrated.

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Yubii® Home

Your life gets better.

Yubii Home is the heart of a new smart home. A system that takes care of the comfort and safety of the whole family and can also reduce energy consumption. One of these value propositions is at the forefront of the mind of all consumers when purchasing a smart home system. That is why we have put together starter kits based on these needs, starting on page 11.

Your home will become smart and your life easier.

Control your home with your voice.

Just a few words, and things happen in the easiest way possible. Whether Amazon Alexa, Google Assistant oder Siri Shortcuts – it does not get more comfortable than this.

Manage your smart home via Yubii-App with your smartphone or tablet.

The intuitive dashboard is designed to capture what's going on at home at a glance. As soon as the app is opened, the most important functions are accessible. So you have everything in view – no matter where you are.

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Yubii Home gateway

Yubii Home makes your home smart. The gateway enables automation that is tailored to people's lifestyles and provides living comfort, safety and sustainability. It manages all smart devices and communicates with them. It receives the data from the Z-Wave sensors, processes them and has suitable operations carried out.

The Amazon Alexa, Google Assistant and Siri Shortcuts voice assistants allow all applications to be controlled with ease by voice. With the Yubii app on your smartphone or tablet, you always have your home in view – within your own four walls and wherever you might be.

Bidirectional routing with ProLine 2

ProLine 2, the bidirectional radio system from elero, is more reliable, powerful and transparent than unidirectional radio standards. At the heart of the technology (868 MHz) are bidirectional radio components (transceivers) that are capable not only of receiving, but also of confirming and relaying the signals. As soon as a command has been executed on the drive, the user receives feedback and can be sure that the commands are being executed correctly.

Z-Wave wireless network

The Z-Wave wireless network is a wireless communication standard developed for home automation, which is used in sensors, modules, switches and other smart devices. It enables convenient remote control of devices. The radio communication has been optimised for low energy consumption and high communication security. With Z-Wave Plus, a new generation has been developed for even more functionality and compatibility.

Communication with Yubii Home

Radio drives and receivers – indicated in the catalogue by the **Yubii**® Home symbol *works with* – communicate directly with the gateway, and the same applies to sensors. Radio control units, such as the VarioCom-868 hand-held radio transmitter, are taught into the drive or receiver and are not connected to the gateway.

Areas of application and top functions

Your home in a single device: roller shutters, venetian blinds, awnings, interior sun protection, gates, windows and doors, lighting, electrical household appliances, heating and irrigation systems as well as the entire home entertainment system can be controlled and integrated into automatic processes with a simple command. Appropriate sensors detect water leaks, carbon monoxide, fires, temperature, lighting conditions, motion and any tampering.

	Yubii Home gateway	Living comfort kit	Sustainability kit	Safety kit	Roll-Control	On/Off-Control	Dimmer-Control	LED Adaptor	Smart-Control
Page	8	11	13	15	16	17	18	19	20
Roller shutters / interior shading	•				•				
Awnings / ZIP / exterior shading	•				•				
Venetian blinds	•				•				
Lighting	•		•			•	•	•	
Heating	•		•						
Sensor control	•	•	•	•					•
Bidirectional-capable transmitter/receiver	•								
Z-Wave(Plus)-capable transmitter/receiver	•	•	•	•	•	•	•	•	•

	RGBW-Control	Heat-Control kit	Motion-Control	Flood-Control	Smoke-Control	CO Alarm-Control	D/W-Control	Plug-Control	Push-Control
Page	21	22	23	24	25	26	27	28	29
Lighting	•							•	
Heating		•							
Motion sensor			•						
Temperature sensor		•	•	•	•	•	•		
Light sensor			•						
Flood sensor				•					
Smoke sensor					•				
CO sensor						•			
Magnetic contact sensor							•		
Z-Wave(Plus)-capable transmitter/receiver	•	•	•	•	•	•	•	•	• (Transmitter only)
Colour variants available							•		•
(Rechargeable) battery operated		• (Rechargeable battery cannot be replaced)	•	•	•	•	•		•
LED indicator		•	•	•	•	•	•	•	
Audible alarm			•	•	•				
Open/closed detection							•		
Further devices can be switched								•	

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Yubii® Home

Modern home automation from elero

Smart control for increased living comfort.

	Yubii Home gateway
Item number	3016 1604 0301

Technical data

Processor	Single-Core Arm Cortex A 7 (900 MHz)
Operating memory	512 MB DDR3L
Hard disk	4 GB eMMC
Power supply	5 V DC max. 1 A (adapter included in scope of delivery)
Network interface	WLAN
Ambient operating temperature (°C)	0 to 40
Conformity with EU standards	RED 2014 / 53 / EU RoHS 2011 / 65 / EU
Radio protocol (MHz)	433 (433.05 – 434.04) 868 (868.0 – 869.65) Z-Wave (700 series) (868.0 – 868.6 and 869.7 – 870.0) WLAN (2400 – 2483)
WLAN connection	802.11 b/g/n/a/ac
Operating humidity	max. 75 % relative humidity (non-condensing)
Power connection	USB Micro B
Dimensions (mm)	178 x 110 x 31

Properties

- Compatible with more than 3,000 devices from other manufacturers
- Fast configuration process
- Simple and complex automation systems such as block scenes, LUA events, quick apps
- Triple data security system
- Future-proof system
- Ingenious and sophisticated design
- Number of integrable devices: 40 elero, 40 Nice, 40 Z-Wave, 1 IP camera, 40 scenes, 10 quick-apps, 5 plug-Ins
- Voice control (language version depends on the provider of the voice interface)

  works with Ok Google · amazon alexa · Siri
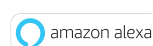
- IP video camera support
- Advanced integration possible thanks to Z-Wave protocols
- Yubii app available for Android and iOS

  GET IT ON Google Play · Download on the App Store

For a complete list of the control units and devices compatible with Yubii Home, visit **www.elero.com/yubiihome**

That says a lot about Yubii Home

Yubii Home is one of the most advanced smart home management units in the world. Components with modern technology ensure a stable, high-performance smart home system. The Z-Wave 5 technology enables the integration of more than 3,000 products from other manufacturers. Control your privacy and sun protection, electronics and household appliances, lighting, HVAC, alarm, monitoring and irrigation systems at the touch of a button or with a gesture or word.

Compatible

- With more than 3,000 products from other manufacturers (Z-Wave) such as Philips Hue, Netatmo, Sonos, D-Link, Yale, DSC and many more
- With almost all radio drives, receivers and sensors of the elero and Nice brands (868 MHz bidirectional radio technology)

Secure

- Encryption as for online banking
- Encrypted data transmission to protect both local and external connections (use of security systems such as WAF and anti-DDoS, encryption of TLS protocol communication and protection of passwords with bcrypt)
- Yubii Home can be operated without Internet or cloud access and provide important functions at home
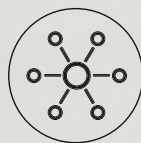
Flexible

- For new buildings and retrofitting
- Completely wireless system – no effort to install
- Benefit-oriented starter kits for the initial installation
- The system can be adapted and expanded at any time

Living comfort

Modern home automation makes a decisive contribution to improving living comfort. For users who want to save time and fully enjoy their home, the living comfort kit is the first choice:

Installed in a socket or wall switch, **On/Off** control can switch on or monitor electrical appliances and control most household appliances. With **Plug-Control**, you can integrate lights, music systems and other consumers into the smart home system and activate them with it.
Motion-Control provides even more living comfort. In addition to motion detection, this sensor can be used to measure the temperature and light intensity. The devices integrated into the system can be activated in relation to the time or sensor signals and, of course, at the touch of a button. Further-more, it is possible to integrate them into scenes.
Push-Control excels with an innovative design and makes the feel-good experience perfect. Placed next to the bed, one press is enough, for example, to trigger a "morning scene": soft lighting, soft music while the coffee machine is switched on.

Enjoying life at home

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Living comfort kit

On/Off-Control

Motion-Control

Plug-Control

Push-Control (white)

	Living comfort kit
Item number	28 981 0001

Product contents	On/Off-Control (p. 17) Motion-Control (p. 23) Plug-Control (p. 28) Push-Control (p. 29)

works with

Yubii® Home

On/Off-Control highlights (p. 17)

– To control two electrical consumers
– Active power and energy measurement
– Z-Wave signal repeater
– Works with different types of switches – push-buttons,
  toggle switches, three-way switches etc.

Motion-Control highlights (p. 23)

– Detects even the slightest changes in motion
  and temperature
– Unique earthquake detection function
– Easy to attach to surfaces, ceilings or walls thanks
  to innovative mounting bracket
– Motion notification on your smart phone or tablet
– LED indicator (motion, operating mode,
  temperature level)

Plug-Control highlights (p. 28)

– For lamps, fans, household appliances, home
  entertainment and other devices
– Useful if the socket is difficult to access
– Visualisation of the power consumption by coloured
  crystal LED ring
– Power consumption can be displayed via Yubii Home
– Can be used as a night light

Push-Control highlights (p. 29)

– Can be installed anywhere in your house
– Extremely easy to install – simply add to the system
  and place on the surface of your choice
– Only available in white in the living comfort kit

**The highlights on this page focus only on the most important product features.
A full description of the items included in the kit can be found on the following pages.**

Sustainability

With our sustainability kit, you can save a great deal of energy without any effort and enjoy an ideal indoor climate in your smart home:

Motion-Control detects movements in the room and also measures the temperature and light intensity. Installed in a socket or wall switch, **On/Off-Control** can switch on or monitor electrical appliances and can control most household appliances.
Heat-Control regulates the room temperature for smart heating management and **D/W-Control** knows whether windows or doors are open, among other things. Together, the four of them are unbeatable. Ventilation and heating can thus be managed remotely and automatically adapted to the needs of your family. In addition, users consequently consume less energy and protect the environment.

Everything for our environment

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Sustainability kit

On/Off-Control

Heat-Control kit

Motion-Control

D/W-Control (white)

	Sustainability kit
Item number	28 985 0001

Product contents	On/Off-Control (p. 17) Heat-Control kit (p. 22) Motion-Control (p. 23) D/W-Control (p. 27)

works with
Yubii® Home

On/Off-Control highlights (p. 17)

– To control two electrical consumers
– Active power and energy measurement
– Z-Wave signal repeater
– Works with different types of switches – push-buttons, toggle switches, three-way switches etc.

Heat-Control kit highlights (p. 22)

– For various heating valves
– Easy to install – no tools required
– Efficient heating management
– External temperature sensor for placement anywhere in the room
– Schedule mode: heating schedule for the entire week
– Temperature is indicated by the light colour in the ring
– Automatic calibration
– Frost protection and descaling function

Motion-Control highlights (p. 23)

– Detects even the slightest changes in motion and temperature
– Unique earthquake detection function
– Easy to attach to surfaces, ceilings or walls thanks to innovative mounting bracket
– Motion notification on your smart phone or tablet
– LED indicator (motion, operating mode, temperature level)

D/W-Control highlights (p. 27)

– For windows, doors, gates, roller shutters
– Built-in temperature sensor
– Turns down the heating when the window is open
– Detects any tampering when removing or opening
– Easy to install
– Visual LED indicator of the device status
– Available only in white in the sustainability kit

The highlights on this page focus only on the most important product features.
A full description of the items included in the kit can be found on the following pages.

🔒 Safety

Give your customers a good feeling by protecting their home. They will feel comfortable there with the safety kit.

Motion-Control detects movements in the room and also measures the temperature and light intensity. **Smoke-Control** is an intelligent smoke and fire detector and **Flood-Control** alerts to flooding and any tampering, among other things.

Together, the three form a powerful team. Potential dangers are predicted, people are warned and automatic sequences can be stored as a scene or condition in Yubii Home, for example to allow all motorised roller shutters to open if **Smoke-Control** detects smoke.

To protect the house and residents

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Safety kit

Motion-Control

Smoke-Control   Flood-Control

	Safety kit
Item number	28 983 0001

Product contents	Motion-Control (p. 23) Flood-Control (p. 24) Smoke-Control (p. 25)

works with

Yubii® Home

Motion-Control highlights (p. 23)

– Detects even the slightest changes in motion
  and temperature
– Unique earthquake detection function
– Easy to attach to surfaces, ceilings or walls thanks
  to innovative mounting bracket
– Motion notification on your smart phone or tablet
– LED indicator (motion, operating mode,
  temperature level)

Flood-Control highlights (p. 24)

– Detects water leaks, floods and fires
– Built-in LED and audible alarm
– Compact design, floatable sensor
– Placement on the floor or wall mounting with
  extended flood sensor probe
– Can communicate with wired alarm systems
– Compact design

Smoke-Control highlights (p. 25)

– Optical smoke detection
  (at the earliest stage of the fire, often before flame
  formation and a significant increase in temperature)
– Integrated temperature sensor
  (signals when the defined temperature threshold
  is exceeded)
– Alarm is signalled by loud noises, visual display
  and sending of control commands
– Alarm scenes can be displayed: e.g. open roller shutter,
  switch on light, message to smart phone
– Compact, attractive design
– Three sensitivity levels of the sensors according
  to EN 14604:2005
– Built-in detector for housing opening

The highlights on this page focus only on the most important product features.
A full description of the items included in the kit can be found on the following pages.

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Roll-Control

Flush-mounted control unit for privacy and sun protection

Roll-Control is a device used to control motorised roller shutters, venetian blinds, awnings, roller blinds and gates and enables their precise positioning. The product is also equipped with a power and energy monitoring function. Roller shutters, etc. can be integrated into automatic sequences and scenes and/or controlled as a group via the Z-Wave network in connection with Yubii Home. It is also possible to manually control the blinds with a conventional wall switch / push-button to which Roll-Control is directly connected.

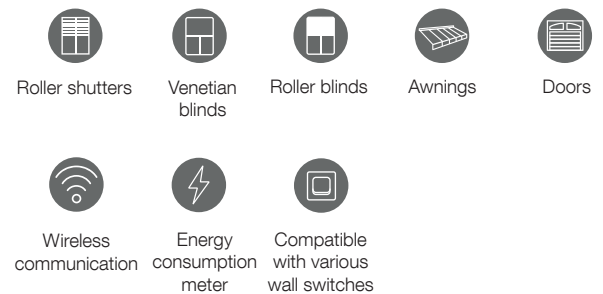*works with*
Yubii Home

Properties

– For integration into Yubii Home: automatic sequences, scenes, control by app on your smart phone and tablet
– Use with single-phase AC motors with electronic or mechanical limit switches
– Works with different types of switches – push-buttons, toggle switches, three-way switches etc.
– Function for active power and energy measurement
– Z-Wave signal repeater
– Supports the following Z-Wave network security modes:
  • S0 with AES-128 encryption
  • S2 with PRNG-based encryption

	Roll-Control
Item number	3016 1823 0301

Technical data	
Power supply	100 – 240 V ~ 50 / 60 Hz
Rated load current (A)	1.7 (Resistive loads) for motors with compensated power factor (inductive loads)
Ambient operating temperature (°C)	0 to +35
Supported motor types	Single-phase AC motors
Limit switches required	Electronic and mechanical
Power consumption (W)	up to 0,8
For installation in wall switch boxes (mm)	Ø ≥ 50 Depth ≥ 60
Radio frequency (MHz)	868.4 or 869.8 (EU)
Conformity with EU directives	RoHS 2011 / 65 / EU RED 2014 / 53 / EU
Range (m)	up to 30 (in buildings)
External dimensions L x W x H (mm)	42.5 x 38.25 x 20.3

Roller shutters

Venetian blinds

Roller blinds

Awnings

Doors

Wireless communication

Energy consumption meter

Compatible with various wall switches

On/Off-Control

Flush-mounted switch control

On/Off-Control is used to switch up to two electrical appliances on and off and to measure the current and energy consumption. Electrical appliances can be integrated into automatic sequences and scenes and/or controlled as a group via the Z-Wave network in connection with Yubii Home. The compact size of the unit makes it the smallest of its kind and allows the product to be installed in wall switches or enclosures. On/Off-Control can be controlled with a directly connected wall switch or push-button.

Included in these kits:

Living comfort
Page 11

Sustainability
Page 13

works with

Yubii Home

Properties

- To control two electrical consumers
- For integration into Yubii Home: automatic sequences, scenes, control by app on your smart phone and tablet
- Active power and energy measurement
- Z-Wave signal repeater
- Works with different types of switches – push-buttons, toggle switches, three-way switches etc.
- Supports the following Z-Wave network security modes:
  - S0 with AES-128 encryption
  - S2 with PRNG-based encryption

On/off switch   Light management   Device management   Energy consumption meter

Compatible with various wall switches

	On/Off-Control
Item number	3016 1803 0301

Technical data

Power supply	100 – 240 V ~50/60 Hz
Rated load current (A) According to IEC standard	6.5 per channel 10 in total
Ambient operating temperature (°C)	0 to +35
For installation in wall switch boxes (mm)	Ø ≥ 50 Depth ≥ 60
Radio protocol	Z-Wave (500 series chip)
Radio frequency (MHz)	868.4 or 869.8 (EU)
Radio transmission power (dBm)	up to 6 (EIRP)
Conformity with EU directives	RED 2014/53/EU RoHS 2011/65/EU
Range (m)	Up to 50 outdoors and up to 40 indoors (depending on terrain and building structure)
External dimensions L x W x H (mm)	42.5 x 38.25 x 20.3

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Dimmer-Control

Flush-mounted light switch control

Dimmer-Control is used to control different types of light sources. The lighting can be integrated into automatic sequences and scenes and/or controlled as a group via the Z-Wave network in connection with Yubii Home. It can also be operated with the directly connected wall switch. The Dimmer-Control algorithm for intelligent light source detection facilitates configuration and ensures high compatibility of the device. It has an automatic overload protection cut-off and soft-start function (can be combined with LED Adaptor, p. 19).

works with
Yubii® Home

Properties

– Intelligent light source detection
– For integration into Yubii Home: automatic sequences, scenes, control by app on your smart phone and tablet
– Active power and energy measurement function
– Works with different types of switches – push-buttons, toggle switches, three-way switches etc.
– Soft start function
– LED diode signalling for different statuses: inclusion, calibration and device menu position
– Advanced configuration options
– Z-Wave signal repeater
– Can be operated without a neutral conductor
– Dimmable control of:
  • 230 V-operated conventional incandescent lamps and halogen light sources
  • 12 V-operated ELV halogen lamps and dimmable LED lamps (with electronic transformers)
  • 12 V-operated MLV halogen lamps (with ferromagnetic transformers)
  • Dimmable LED lamps and dimmable compact fluorescent lamps CFL
– Non-dimmable control of:
  • Compact fluorescent lamps CFL with electronic ballast
  • Fluorescent lamps CFL with electronic ballast
  • LED lamps (power factor > 0.7)

	Dimmer-Control
Item number	3016 1813 0301

Technical data

Power supply	100 – 240 V ~ 50 / 60 Hz
Energy consumption (W)	< 1.3W
Ambient operating temperature (°C)	0 to +35
Operating current (A)	0.25 – 1.1
For installation in wall switch boxes (mm)	Ø ≥ 50 Depth ≥ 60
Radio protocol	Z-Wave
Radio frequency (MHz)	868.4 or 869.8 (EU)
Radio transmission power (dBm)	up to 6 (EIRP)
Conformity with EU directives	ROT 2014 / 53 / EU RoHS 2011 / 65 / EU
Range (m)	Up to 50 outdoors Up to 30 in buildings (depending on the terrain and building structure)
External dimensions L x W x H (mm)	42.5 x 38.25 x 20.3

Brightness control   Energy consumption meter   Fade-in function

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LED Adaptor
Flush-mounted light dimmer

Only in conjunction with Dimmer-Control!

The LED adaptor is a device that has been developed to expand the Dimmer-Control. It enables light sources to be dimmed with minimum power consumption and prevents flickering of LED lamps or afterglow of energy-saving lamps. It is only possible to dim light sources that are clearly marked as dimmable.

Properties

– Dimming of light sources
– Minimum power consumption of the light sources
– Prevents flickering and afterglow of LED equipment (in combination with Dimmer-Control, p.18)

Brightness
control

	LED Adaptor
Item number	3012 0751 0101

Technical data

Power supply	100 – 240 V ~ 50 / 60 Hz
Ambient operating temperature (°C)	0 to +35
Power consumption (W)	< 1.4
External dimensions L x W x H (mm)	31 x 21.6 x 13
Conformity with EU directives	RoHS 2011 / 65 / EU LVD 2014 / 35 / EU EMC 2014 / 30 / EU

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Smart-Control

Intelligent radio receiver

works with

Yubii® Home

Smart-Control extends the functionality of wired sensors and other devices and makes them "smart". They can be integrated into automatic sequences and scenes and / or controlled as a group via the Z-Wave network in connection with Yubii Home. In addition to wireless communication, devices, for example, can be switched on/off and data from sensors can be read out. The original functions of the device / sensor are not impaired by Smart-Control. The intelligent radio receiver can therefore also be used with alarm systems.

Properties

– Enables the connection of sensors:
  up to six DS18B20 sensors, one DHT sensor, two dual-wire analogue sensors, two triple-wire analogue sensors, two binary sensors
– Built-in temperature sensor
– Z-Wave signal repeater
– Supports the following Z-Wave network security modes:
  • S0 with AES-128 encryption
  • S2 with PRNG-based encryption

	Smart-Control
Item number	3016 1704 0301

Extension of the range of Z-Wave networks	Reading out data from sensors	Wireless communication	Switching devices on and off

Technical data

Power supply (V DC)	9 – 30 (±10 %)
Inputs	Two 0-10 V or digital inputs One serial single-wire input
Outputs	Two potential-free outputs (for controlling external circuits)
Supported digital sensors	6 x DS18B20 or 1 x DHT22
Maximum output current (mA)	150
Maximum output voltage	30 V DC / 20 V AC (±5 %)
Ambient operating temperature (°C)	0 to +40
Radio protocol	Z-Wave (500 series chip)
Radio transmission power (dBm)	max. 7 (EIRP)
Radio frequency (MHz)	868.4 or 869.8 (EU)
Conformity with EU directives	RoHS 2011/65/EU RED 2014/53/EU
Range (m)	Up to 40 in buildings (depending on the terrain and building structure)
Dimensions L x W x H (mm)	29 x 18 x 13

RGBW-Control

Flush-mounted light and sensor control

RGBW-Control is used to control light sources, such as LED strips and coloured LEDs, and allows the light intensity and light colour to be changed. They can be integrated into automatic sequences and scenes and/or controlled conveniently by the Yubii app on your smart phone or tablet via the Z-Wave network in connection with Yubii Home. In addition, the device supports up to four analogue sensors and has a function for power and light measurement.

works with

Yubii Home

Properties

– For LED strips, RGB/RGBW LEDs and 12V-operated or 24V-operated light sources
– Control of light intensity and light colour, on/off
– For integration into Yubii Home: automatic sequences, scenes, control by app on your smart phone and tablet
– In addition, up to four 0 – 10V analogue sensors are supported (e.g. temperature sensors, humidity sensors, wind sensors, air quality sensors, light sensors)
– All IN and OUT connections can be configured by the user for LED control or 0 – 10V signal output
– Can be used as a dimmer in combination with halogen lamps
– Measurement of the current and historical power consumption starting at the installation
– Control via any Z-Wave controller possible
– Microprocessor-controlled
– For installation in standard wall switch boxes
– Z-Wave signal repeater

	RGBW-Control
Item number	3016 1713 0301

Technical data

Power supply (V DC)	12 / 24 (± 10%)
Rated load current (A)	6 per channel 12 in total for all outputs
Power (W)	144 combined at 12 V 288 combined at 24 V
Ambient operating temperature (°C)	0 to +40
Radio protocol	Z-Wave (500 series chip)
Radio frequency (MHz)	868.4 or 869.8 (EU)
Radio transmission power (dBm)	up to -1 (EIRP)
Conformity with EU directives	RoHS 2011/65/EU EMC 2004/108/EC R & TTE 1999/5/EC
Recommended cable cross-section	0.2 – 2.0 mm² (24–14 AWG) (depending on the load current)
Range (m)	up to 50 outdoors up to 30 in buildings (depending on the terrain and building structure)
External dimensions L x W x H (mm)	42 x 37 x 17

Coloured light control

4 inputs

Luminous intensity management

Energy consumption meter

elero

Heat-Control Kit

Intelligent radiator control

Heat-Control   Temperature sensor

Included in this kit:

Sustainability
Page 13

works with

Yubii® Home

A smart radiator thermostat and a temperature sensor are included in the Heat-Control kit. The temperature measurement sensor can be placed anywhere in the room. The heat level is automatically adjusted. An innovative room analysis algorithm calculates the time needed to reach the desired temperature based on the room volume. Heat-Control can be controlled manually, by voice command and app at any time. A schedule mode enables temperature management for the whole week. The heating can be integrated into automatic sequences and scenes via the Z-Wave network in connection with Yubii Home.

Properties

– For three different heating valves:
  M30 x 1.5, Danfoss RTD-N and Danfoss RA-N
– Easy to install – no tools required
– Efficient heating management
– For integration into Yubii Home: automatic sequences, scenes, control by app on your smart phone and tablet
– Built-in battery rechargeable via standard micro USB port
– External temperature sensor for placement anywhere in the room
– Schedule mode: heating schedule for the entire week
– Temperature is indicated by the light colour in the ring
– Automatic calibration
– Frost protection and descaling function
– Supports the following Z-Wave network security modes:
  • S0 with AES-128 encryption
  • S2 with PRNG-based encryption
– Scope of delivery: Heat-Control and temperature sensor

	Heat-Control Kit
Item number	6125

Technical data of Heat-Control

Power supply (V)	3.7 Li-poly rechargeable battery (not replaceable)
Charging connection	Micro USB
Charger voltage (V DC) (charger not included in scope of delivery)	5
Minimum charging current (A)	0.5
Ambient operating temperature (°C)	0 to 40
Supported valves	M30 x 1.5, Danfoss RTD-N, Danfoss RA-N
Maximum water temperature (°C)	90
Accuracy of the temperature measurement (°C)	0,5 (within a range of 0 to 40)
Radio protocol	Z-Wave (500 series chip) (S2-capable)
Radio frequency (MHz)	868.0 – 868.6
Conformity to standards	RoHS 2011/65/EU, RED 2014/53/EU
Range (m)	up to 40 (depending on building structure)
Dimensions Ø x H (mm)	56 x 74 (without adapter), 56 x 87 (with adapter)

Technical data of temperature sensor

Power supply (V)	3.0 CR2032 battery (included in scope of delivery)
Radio frequency (MHz)	2402 – 2480
Max. transmission power (dBm)	max. 1
Ambient operating temperature (°C)	0 to +40
Conformity to standards	RoHS 2011/65/EU, RED 2014/53/EU
Dimensions Ø x H (mm)	38 x 12

Precise temperature measurement

Schedule mode

Innovative heating zone management

Algorithms for adaptive self-programming

Convenient and cost-effective battery charging

Significant reduction in heating costs

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Motion-Control

Motion, light and temperature sensor

works with

Yubii Home

The multi-sensor detects motion and measures the ambient temperature and light intensity. Any tampering of the device is detected by the integrated accelerometer. Motion-Control is battery operated and can be quickly and easily mounted on walls and ceilings or simply set up. Sensor signals can be integrated into automatic sequences via the Z-Wave network in connection with Yubii Home. Motion-Control can also be used for lighting scenes and security monitoring systems. Motion signals to the smartphone are also possible. The LED indicator is used to signal motion and the temperature level and operating mode.

Properties

– Detects even the slightest changes in motion and temperature
– Unique earthquake detection function
– For integration into Yubii Home: automatic sequences and lighting scenes
– Easy to attach to surfaces, ceilings or walls thanks to innovative mounting bracket
– Used indoors
– Motion notification on your smart phone (can be deactivated)
– LED indicator (motion, operating mode, temperature level) that can be switched off
– Battery operated
– Wireless communication via Z-Wave protocol
– Wireless software update
– Supports the following Z-Wave network security mode:
  • S0 with AES-128 encryption

	Motion-Control
Item number	3016 1774 0301

Motion sensor | Light sensor | Temperature sensor | Acceleration sensor

Direct notification

Technical data

Power supply	CR123 A battery, 3.0 V DC (battery included in scope of delivery)
Rechargeable battery life	Approx. 2 years (with default settings)
Recommended installation height (m)	2.4
Ambient operating temperature (°C)	0 to +40
Measured temperature range (°C)	-20 to +100
Accuracy of the temperature measurement (°C)	0.5 (within range of 0 to +40)
Measuring range of the light intensity (LUX)	0 to 32.000
Radio protocol	Z-Wave
Radio frequency (MHz)	868.4 Mhz or 869.8 MHz (EU)
EU directive conformity	RED 2014/53/EU RoHS 2011/65/EU
Range (m)	up to 50 outdoors up to 40 in buildings (depending on the terrain and building structure)
Dimensions H x W x Ø (mm)	46 x 46 (mounting bracket + 2 mm)

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Flood-Control

Flood and temperature sensor

works with

Yubii® Home

The multifunctional sensor is more than an ordinary water detector – it detects the smallest water leaks and the integrated temperature sensor monitors the temperature of the floor, for example, or issues an alert in the event of a fire. Flooding is signalled by the integrated LED and audible alarm. Sensor signals can be integrated into automatic sequences via the Z-Wave network in connection with Yubii Home. Due to its compact size, Flood-Control can be positioned anywhere – this is possible on walls due to an extended flood sensor probe.

Properties

– Detects water leaks, floods and fires
– Flood-Control can be integrated into automatic sequences via the Z-Wave network in connection with Yubii Home
– Built-in LED and audible alarm
– Compact design, floatable sensor
– Placement on the floor
– Wall mounting with extended flood sensor probe (wired)
– Can communicate with wired alarm systems via a Z-Wave network
– Battery operated or VDC operated
– Wireless software update

| | Flood sensor | Acoustic / visual alarm | Temperature sensor | Tamper detection |

	Flood-Control
Item number	3016 1723 1201

Technical data

Battery type	CR 123 A (included in scope of delivery)
Power supply (V DC) (optional)	12 – 24
Maximum voltage at the output terminals (V)	24 DC / 20 AC
Measured temperature range (°C)	0 to +40 (battery operation) -20 to +100 (VDC operation)
Accuracy of the temperature measurement (°C)	0.5 (within a range of 0 to 40)
Ambient operating temperature (°C)	0 to +40 (battery operation) -20 to +70 (VDC operation)
Radio protocol	Z-Wave
Radio frequency (MHz)	868.4 or 869.8 (EU)
Conformity with EU directives	RoHS 2011 / 65 / EU RED 2014 / 53 / EU
Range (m)	up to 50 outdoors up to 40 indoors (depending on the terrain and building structure)
Dimensions Ø x H (mm)	72 x 28

Smoke-Control

Smoke sensor

works with

Yubii Home

Smoke-Control signals an alarm by sound and visual flashing and by sending Z-Wave control commands. The optical sensor already detects smoke at an early stage of the fire. In addition, the device has a built-in, programmable temperature sensor. Smoke-Control can be mounted on a wall or ceiling. The LED indicator signals fires and the operating mode and can be used to see if the device is within a Z-Wave network.

Properties

– Optical smoke detection
  (already at a very early stage of the fire)
– Integrated temperature sensor (signals when a defined temperature threshold is exceeded)
– Alarm is signalled by loud noises, visual display and the transmission of Z-Wave control commands
– Smoke-Control can be integrated into automatic processes via the Z-Wave network in connection with Yubii Home – alarm scene: e.g. opening roller shutters, switching on light, message on the smart phone
– Battery operated
– Compact, attractive design
– Three sensitivity levels of the sensors according to EN 14604:2005
– Built-in detector for housing opening
– Built-in Z-Wave range tester
– Wireless software update
– Self-test function, which can also be performed manually to test the operation of the Smoke-Control
– Efficiency test is automatically carried out every ten seconds to detect potential malfunctions
– Supports the following Z-Wave network security mode:
  • S0 with AES-128 encryption
– Not suitable for installation near moisture or dust

	Smoke-Control
Item number	3016 1734 0301

Technical data

Battery type (V DC)	CR123A 3.0 (included in scope of delivery)
Ambient operating temperature (°C)	0 to +55
Operating humidity (%)	0 to 93
Measured temperature range (°C)	-20 to +100
Accuracy of the temperature measurement (°C)	0.5 (within 0 to +55)
Sensitivity to smoke	First level - 1.20 +/- 0.5% obs/ft Second level – 1.80 +/- 0.5% obs/ft Third level – 2.80 +/- 0.5% obs/ft
Noise level of the alarm siren (dBA)	85 (at 3 metres)
Radio transmission power (dBm)	up to -5 (EIRP)
Radio protocol	Z-Wave
Radio frequency (MHz)	868.4 or 869.8 (EU)
Conformity with EU directives	EN 14604:2005 RED 2014/53/EU RoHS 2011/65/EU
Range (m)	Up to 50 outdoors Up to 30 in buildings (depending on the terrain and building structure)
Dimensions Ø x H (mm)	65 x 28

Smoke sensor

Temperature sensor

Acoustic / visual alarm

Effective protection

Excellent monitoring

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CO Alarm-Control
Compact carbon monoxide detector

works with
Yubii® Home

Thanks to its high sensitivity, CO Alarm-Control detects the presence of carbon monoxide (CO) gas at an early stage to prevent carbon monoxide poisoning. The alarm is signalled with a built-in siren, a flashing LED indicator and by sending information to Z-Wave network devices. In addition, the device is equipped with a temperature sensor. In connection with Yubii Home, the carbon monoxide concentration is displayed in a graph and stored in the system memory. This allows the amount of CO in rooms to be monitored to prevent health restrictions in the long term.
Only suitable for wall mounting.

Properties

– Carbon monoxide (CO) detection
– Integrated temperature sensor
– Detects even low CO concentration levels
– Alarm is signalled with a built-in siren and LED diode
– Alarm-Control can be integrated into automatic sequences via the Z-Wave network in connection with Yubii Home – for example as a message on your smart phone
– Can be used as a stand-alone carbon monoxide detector
– Supports the following Z-Wave network security mode:
  • S0 with AES-128 encryption
– Battery operated
– Only suitable for wall mounting

	CO Alarm-Control
Item number	3016 1643 0301

| Carbon monoxide sensor | LED light display | Temperature sensor | Audible alarm |

Technical data

Battery type	CR123 A 3.0 V (battery included in scope of delivery)
Service life under typical conditions	8 years
Measurement range of CO concentration (ppm)	0 to 450
Measurement accuracy	± 10 ppm / ± 5 %
Ambient operating temperature (°C)	0 to +50
Alarm response times with default settings	50 ppm 60 – 90 min 100 ppm 10 – 40 min 300 ppm <1.5 min
Noise level of the alarm siren (dBA)	85 (at 3 metres)
Radio transmission power (dBm)	up to -5 (EIRP)
Radio protocol	Z-Wave (500 series chip)
Radio frequency (MHz)	868.4; 868.42 or 869.8 (EU)
EU directive conformity	RED 2014 / 53 / EU RoHS 2011 / 65 / EU EN 50291-1:2010
Range (m)	Up to 50 outdoors Up to 40 in buildings (depending on the terrain and building structure)
Dimensions Ø x H (mm)	65 x 28

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D/W-Control

Contact sensor with temperature measurement

D/W-Control is a wireless, battery-operated magnetic contact sensor. The opening is detected by separating the sensor body and the magnet. The sensor can be used in connection with Yubii Home to trigger scenes and wherever information about the opening or closing of doors, windows, garage doors etc. is required. In addition, D/W-Control is equipped with a built-in temperature sensor.

D/W-Control	white	brown	black
Item number	3016 1743 0301	3016 1783 0301	3016 1793 0301

Technical data

Battery type	ER 14250 ½ AA, 3.6 V DC (battery included in scope of delivery)
Rechargeable battery life	Approx. 2 years (with default settings)
Ambient operating temperature (°C)	0 to +40
Measured temperature range (°C)	0 to +60
Accuracy of the temperature measurement (°C)	± 0,5
Radio protocol	Z-Wave (500 series chip)
Radio frequency (MHz)	868.4 (EU)
EU directive conformity	RED 2014 / 53 / EU RoHS 2011 / 65 / EU
Colour	white / brown / black
Range (m)	Up to 50 outdoors Up to 40 in buildings (depending on the terrain and building structure)
Dimensions H x W x H (mm)	71 x 18 x 18

Included in this kit[1]:

Sustainability
Page 13

works with
Yubii Home

Properties

– For windows, doors, gates, roller shutters
– The opening is detected by separating the sensor body and the magnet
– Built-in temperature sensor
– D/W-Control can be integrated into automatic sequences via the Z-Wave network in connection with Yubii Home – for example to turn down the heating when the window is open
– Battery operated
– Detects any tampering when removing or opening
– Easy to install
– Visual LED indicator for visualisation of the device status
– For use inside buildings only
– Supports the following Z-Wave network security mode:
  • S0 with AES-128 encryption

Contact sensor   Tamper protection   Temperature sensor   Safety system component

Available in these colours

[1] only available in white in the living comfort kit

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Plug-Control
Plug & play

Included in this kit:

Living comfort
Page 11

works with
Yubii Home

Plug-Control is an intelligent plug & play socket adapter with current measuring function. It can be used wherever electrical appliances with a maximum power of 2.5 kW need to be controlled, while monitoring the power consumption conveniently and maintenance-free. The crystal LED ring informs about the current load of the connected device by changing its colour visually. In connection with Yubii Home, the plugged-in device can become part of scenes or sequences and be operated with the Yubii app or a voice command.

Properties

– For lamps, fans, household appliances, coffee machines, home entertainment and other devices
– Can be used also as a night light
– Thanks to Plug-Control, the devices can be integrated into scenes and automatic sequences and switched on and off via Yubii Home
– Also useful if the socket is difficult to access (switched on and off with the app)
– Visualisation of the power consumption by coloured crystal LED ring (microprocessor-controlled)
– History and statistics on power consumption can be visualised via Yubii Home
– Extremely compact and can be remote controlled
– Supports the following Z-Wave network security mode:
  • S0 with AES-128 encryption

	Plug-Control
Item number	3094 0383 0301

On/off switch   Energy meter   Power measurement   Protection against fluctuations

Technical data

Power supply (V AC)	230V AC 50/60 Hz
Rated operating output voltage (A)	11
Power consumption (W)	up to 1.6
Output power for resistive loads (kW)	2.5
Conformity to standards	RED 2014/53/EU RoHS 2011/65/EU
Ambient operating temperature (°C)	0 to +40
Compatible with type F sockets (Schuko)	CEE 7/16 (max. load of 2.5 A) CEE 7/17 (max. load of 11 A) Double plug F
Radio transmission power (dBm)	up to -10 (EIRP)
Radio protocol	Z-Wave
Radio frequency (MHz)	868.4 or 869.8 (EU)
Range (m)	Up to 50 outdoors Up to 30 in buildings (depending on the terrain and building structure)
Dimensions Ø x H(mm)	43 x 65

For loads other than resistive loads, please observe cos ϕ and use a lower load than the nominal load if necessary. It is not recommended to exceed 3 A for 250 V AC, cos ϕ = 0.4.

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Push-Control

Switches for electrical appliances and scenes

The practical scene switch Push-Control switches electrical appliances on and off and, in connection with Yubii Home, is able to trigger scenes. Up to six different actions or scenes can be carried out with Push-Control. In panic mode, each press of the button triggers the emergency scene. Thanks to its small design and wireless communication, the Push-Control can be conveniently placed on any surface and mounted in any position, e.g. next to the bed or under the desk.

Push-Control	white	black	red
Item number	3016 1684 0301	3016 1674 0301	3016 1664 0301

Technical data

|	
Battery type	ER14250 ½ AA, 3.6 V DC (included in scope of delivery)
Rechargeable battery life	Approx. 2 years (with default settings and max. 10 operations/day)
Ambient operating temperature (°C)	0 to +40
Radio protocol	Z-Wave (500 series chip)
Radio transmission power (dBm)	up to 1 (EIRP)
Radio frequency (MHz)	868.4 or 869.8 (EU)
Conformity to standards	RED 2014 / 53 / EU RoHS 2011 / 65 / EU
Range (m)	Up to 50 outdoors Up to 40 in buildings (depending on the terrain and building structure)
Dimensions Ø x H (mm)	46 x 34
Colour	white	black	red

Included in this kit[1]:

Living comfort
Page 11

works with

Yubii Home

Properties

– Switch for six actions
  (one to five clicks and hold)
– Integrated in Yubii Home, scenes can be triggered
  and messages sent to a smart phone, for example
– Can be used as a panic button
– Supports the following Z-Wave network security mode:
  • S0 with AES-128 encryption
– Wireless, battery-operated Z-Wave communication
– Can be installed in any position in your house
– Can be placed on surfaces without mounting
– Easy start-up via Yubii Home
– Three colour variants (white, black, red)

×1   ×2   ×3   ×4   ×5   ↓
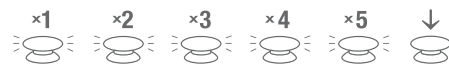
Several clicks activate different created scenes.

Available in these colours

A smart home system for a world of opportunities

Yubii Home meets the needs of your customers
for a modern, safe and comfortable home –
the handling is as versatile as the system itself.

At the push of a button

Wall and hand transmitters complement
the operation via smartphone and tablet.
In this way, all occupants of the house
can easily operate the privacy and sun
protection and much more.

Via app

The intuitive dashboard is designed to capture what's going on at home at a glance. As soon as the app is opened, the most important functions are accessible. The Yubii app is available for smartphone and tablet in the AppStore and Google PlayStore.

In a word

Via the voice assistants Amazon Alexa, Google Assistant and with Siri Shortcuts all applications can be easily controlled by voice.

Excellent control in action.

elero is one of the world's largest manufacturers of electric drives and controls for intelligent building automation.

As a hundred percent subsidiary of the Italian Nice Group, we are specialized in roller shutters and sun protection. We believe that intelligent, comprehensive control of light and temperature significantly improves well-being and home comfort. Therefore, we respond to market requirements with continuous further developments and offer proven drive technology in addition to innovative controls for almost every requirement.

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Sun Shading Solutions **Nice**