qubino®

WIRELESS SMART HOME

Product catalogue

Turn your home

qubino®

WIRELESS SMART HOME

Index

Catalogue version 24.0
Valid from 01.03.2021

Luxy Smart Switch

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNKAD1	868,4 MHz	3830062071758	EU, China, Saudi Arabia, UAE, Kuwait, Lebanon, Israel

Luxy Smart Switch is the world's first switch that gently illuminates in 16 million colours.
It can be used standalone as a switch to turn on/off the light connected to it and as an ambient light for a gentle illumination of your home. Due to its connectivity, you can also use it as a smart home device and enjoy plenty of other functionalities it offers.

ADVANTAGES

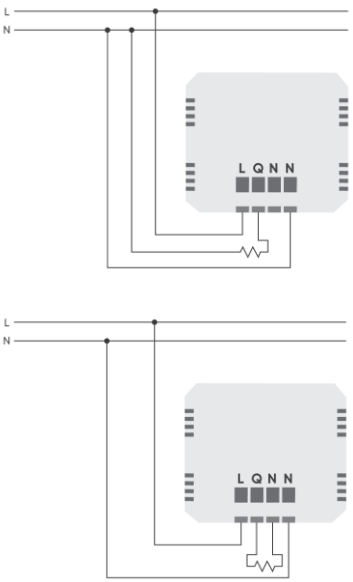
- The Luxy Smart Switch can be used to turn ON/OFF the main room light or other loads (water heater, IR panel, fan, etc.)
- It can be used as an independent light source (e.g. a night light, an ambient light)
- It can be controlled manually via 5 integrated touch-sensitive points on the surface
- Luxy Smart Switch can be controlled with a smartphone app (via Z-Wave).
- You can create time schedules and different scenarios to turn it ON/OFF
- It has pre-programmed nature inspired lighting effects: Ocean, Sunrise, Rainbow and Nature
- Supports SmartStart mode for a quick set-up
- It has a natural glass frame that blends perfectly into your room

TECHNICAL DATA

Power supply	110 - 240 Vac ±10 % 50/60 Hz
Rated load current of output (resistive load)*	1 x 10A
Operation temperature	-10 ~ +40 °C
Z-Wave operation range	up to 40 m indoors
Colours	16 million
Electricity consumption	<1 W
Installation in boxes	Ø ≥ 60 mm (2,36 in) / at least 2M
Z-Wave Repeater	Yes
Dimensions (WxHxD) / (with packaging)	93x90x45 mm/ 149x136x53 mm)
Weight (with glass frame) / (with packaging)	114 g / (230 g)

*In case of loads other than resistive loads, please pay attention to the value of cos ϕ. If necessary, connect loads less powerful than what they are rated for – this applies to all motor loads. Max current for cos ϕ=0,4 is 3 A at 240 Vac.

WIRING DIAGRAM



PACKAGE CONTAINS:

- Luxy Smart Switch device
- Glass frame
- Mounting frame with claws
- Installation manual
- S2 DSK label

Luxy Smart Light

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHQD1	868,4 MHz	3830062071796	EU, China, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon

Luxy Smart Light is an innovative light source that gently illuminates in 16 million colours and has an integrated beeper. It can be used standalone, as an ambient light or as a smart home device. Due to the integrated beeper, it enables a unique combination of sound and visual notifications.
It fits in the flush mounting boxes at the height of the light switch or where you usually have electrical sockets.

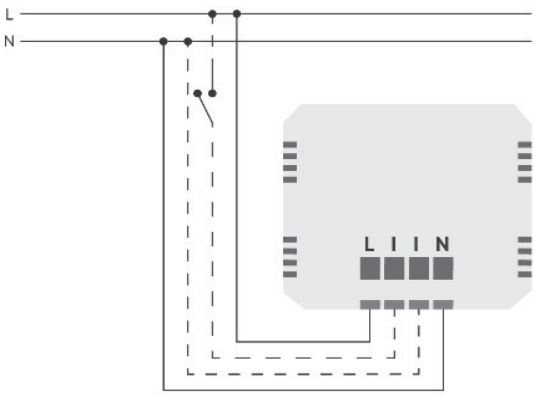
ADVANTAGES

- Has an integrated beeper
- Has 4 integrated touch-sensitive points on the surface
- Luxy Smart Light can be controlled manually or via a standard switch
- It can be controlled wirelessly with just a simple tap on your smartphone (via Z-Wave)
- It has pre-programmed nature inspired lighting effects: Ocean, Sunrise, Rainbow and Nature
- Supports SmartStart mode for a quick set-up
- It has a natural glass frame that blends perfectly into your room

TECHNICAL DATA

Power supply	110 - 240 Vac ±10 % 50/60 Hz
Operation temperature	-10 ~ +40 °C
Z-Wave operation range	up to 40 m indoors
Beeper	>60 dB
Colours	16 million
Electricity consumption	<1 W
Installation in boxes	Ø ≥ 60 mm (2,36 in) / at least 2M
Z-Wave Repeater	Yes
Dimensions (WxHxD) / (with packaging)	93x90x45 mm/ 149x136x53 mm)
Weight (with glass frame) / (with packaging)	114 g / (230 g)

WIRING DIAGRAM



PACKAGE CONTAINS:

- Luxy Smart Light device
- Glass frame
- Mounting frame with claws
- Installation manual
- S2 DSK label

Mini Dimmer

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHHD1	868,4 MHz	3830062071673	EU, China, UAE, Kuwait, Jordan, Lebanon
ZMNHHD2	921,42 MHz	3830062071680	Australia
ZMNHHD3	908,42 MHz	3830062071697	USA, Chile, Mexico, Ecuador
ZMNHHD4	869,0 MHz	3830062071703	Russia
ZMNHHD8	865,2 MHz	3830062071833	India
ZMNHHDC	868,42 MHz	3830062071840	Saudi Arabia

Mini Dimmer is the smallest wireless dimmer in the world. Because of its small size, it allows the easiest and quickest installation.

ADVANTAGES

- The Qubino Mini Dimmer is t**he smallest wireless dimmer** worldwide
- It can be installed in a 2-wired system **– no neutral line required**
- It can be installed also in a 3-wired system – with neutral line
- Because of its small size, it fits in even the smallest, most shallow and most crowded electrical boxes
- It fits all types of flush mounting boxes worldwide
- You can connect and remotely control bulbs from 1W on, **no minimum load required**
- You can dim all types of dimmable bulbs – **incandescent, halogen, LED, LED strip, CFL**
- It has a **LED signalization**, to easily recognize, if the Mini Dimmer is included or excluded from the network, be aware in case of overload or overheating and when the calibration is in progress
- Extremely **low energy consumption**: less than **0.4 W**

TECHNICAL DATA

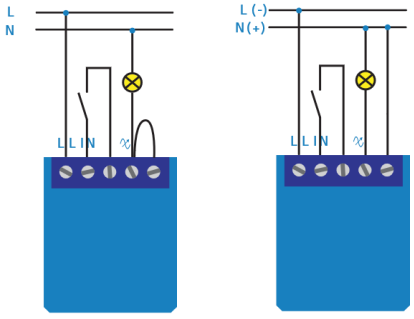
Power supply	110 - 240 VAC ±10% 50/60Hz*, (24-30VDC**)
Rated load current of AC output	0.85A / 240 V AC
Output circuit power of AC output (resistive load)	200W / 240 V AC
Power monitoring accuracy (2-wire)	± 10%
Power monitoring accuracy (3-wire)	± 2%
Operation temperature	-10 ~ +40°C (14 ~ 104°F)
Distance	up to 30 m indoors (98ft)
Dimensions (W x H x D)	38mm x 33,5mm x 15,5mm
Package dimensions (W x H x D)	72mm x 84mm x 41mm
Weight	24 g
Electricity consumption	0.4 W
For installation in boxes	Ø ≥ 60 mm or 2M / depth≥ 60 mm (2,36 in)
Switching	MOSFET (Trailing edge)
Z-Wave Repeater	Yes

Additional information is available in the technical specifications.

*** 60 Hz is currently not available.**

**** 24-30VDC connection is used only for adding, removing or performing device reset with S button.**

WIRING DIAGRAM



2-wire installation

3-wire installation

DIM ALL TYPES OF DIMMABLE BULBS

Incandescent up to 200W

Halogen up to 200W

LED up to 150W

CFL up to 150W

LED strip up to 150W

PACKAGE CONTAINS:

- Device
- installation manual
- S2 packging label

Flush Dimmer 0-10V

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHVD1	868,4 MHz	3830062070553	EU, China, UAE, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon
ZMNHVD2	921,42 MHz	3830062071055	Australia, Domenican republic
ZMNHVD3	908,42 MHz	3830062070607	USA, Argentina, Mexico, Chile, Ecuador
ZMNHVD4	869,0 MHz	3830062071062	Russia
ZMNHVD5	865,2 MHz	3830062071079	Israel
ZMNHVD8	868,42 MHz	3830062071086	India

This device is used for dimming lights and control of any device with 0-10V input control. Device has a standard 0-10V output and a multi-function input, which may be a push button / switch, a potentiometer or 0-10V signal.

ADVANTAGES

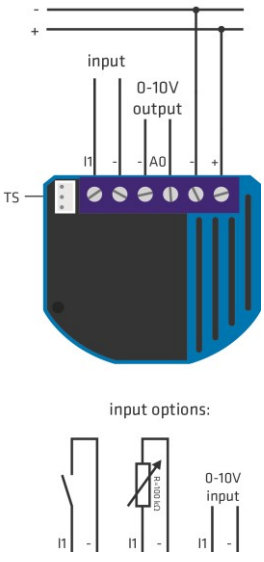
- Standard **(0-10) V OUTPUT** and a multi-function input, which can be a:
  - push button / switch / potentiometer / (0-10) V signal
- **INPUT (0-10) V** (any sensor with (0-10) V output)
- Perfect for **dimming lights with ballast (0 to 10) V**
- **Controlling fan speed** (for motors or frequency inverters with (0-10) V speed control input)
- **Controlling heating/cooling valves** (with (0-10) V input)

TECHNICAL DATA

Power supply	(12 to 24) V DC
Max. sinking control voltage	(- 20 / +20) V DC
Max. sourcing control voltage	(0 to 11) V DC
Max. sinking current	2 mA
Max. sourcing current	10 mA
Digital temperature sensor range (sensor must be ordered separately)	-25°C~+80°C
Operation temperature	(-10 to 40) °C
Distance	up to 30 m indoors
Dimensions (W x H x D) (package)	41.8 mm x 36.8 mm x 15.4 mm (79 mm x 52 mm x 22 mm)
Weight (Gross with package)	28 g (34 g)
Electricity consumption	0.5 W

Additional information is available in the technical specifications.

WIRING DIAGRAM



PACKAGE CONTAINS

- Device
- installation manual

Flush RGBW Dimmer

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHWD1	868.4 MHz	3830062070621	EU, China, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon
ZMNHWD2	921.4 MHz	3830062071208	Australia, Domenican republic
ZMNHWD3	908.4 MHz	3830062070706	USA, Argentina, Mexico, Chile, Ecuador
ZMNHWD4	869.0 MHz	3830062071215	Russia
ZMNHWD5	916 MHz	3830062071239	Israel
ZMNHWD8	865,2 MHz	3830062071222	India

This device is used to control RGB/RGBW strips and LED strips or bulbs to create countless colour options and has 6 special scene effects. It can also control halogen lights and fans. Its extremely small size allows for easy installation behind wall sockets and switches. Controlled devices may be powered by 12 or 24 VDC. All IN and OUT terminals may be user configured for LED control or 100 kΩ signal readouts.

ADVANTAGES

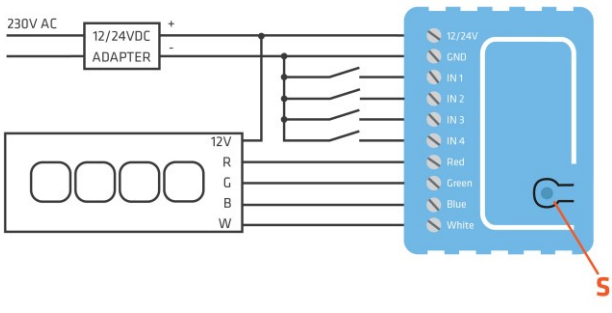
- Small size
- **Control of RGB, RGBW strips and LED strips or bulbs, halogen lights and fans**
- High output power
- **6 special scenes effects**

TECHNICAL DATA

Power supply	12 / 24V DC
PWM output frequency	488Hz
Rated output power	8A for single output channel,13A at max.(3,25A for R.G.B.W. single output channel is suggested)
Max load (e.g. halogen bulbs)	At 12V- 156W combined At 24V- 312W combined
LED Indicator	Red/Green *1
Operation temperature	0°C~40°C
Distance	up to 30 m indoors
Dimensions(W x H x D)	40.5 mm x 32 mm x 14.5 mm
Package dimensions (W x H x D)	79 mm x 52 mm x 22 mm
Weight	28 g
Gross weight (packaging included)	34 g
Electricity consumption	12V: 0.48W; 24V: 0.72W
For installation in boxes	Ø ≥ 60 mm or 2M

Additional information is available in the technical specifications.

WIRING DIAGRAM



PACKAGE CONTAINS

- Device
- installation manual

DIN Dimmer

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHSD1	868.4 MHz	3830062070386	EU, China, UAE, Kuwait, Jordan, Lebanon
ZMNHSD2	921.4 MHz	3830062071024	Australia
ZMNHSD3	908.4 MHz	3830062070997	USA, Mexico, Chile, Ecuador
ZMNHSD4	869.0 MHz	3830062071031	Russia
ZMNHSD5	916 MHz	3830062071048	Israel
ZMNHSD8	865,2 MHz	3830062071000	India
ZMNHSDC	868.42 MHz	3830062071529	Saudi Arabia

This device is used for dimming the bulb. The device can be controlled either through a Z-Wave network or through the wall switch. The device is designed to be mounted inside an electrical cabinet onto DIN rail. Device measures power consumption of bulb or fan and supports connection of digital temperature sensor. It is designed to act as repeater in order to improve range and stability of Z-wave network.

ADVANTAGES

- **(MOSFET switching)** dimming device in the world which also supports control of: low voltage halogen lamps with electronic transformer, dimmable compact fluorescent light.
- **Dimming loads: (1 to 200) W**
- **Easy installation** The device is designed to be mounted inside an electrical cabinet onto DIN rail.
- **Extremely low energy consumption**: less than 0.7 W.
- **Extended operating temperatures:** (-10 to 40) ˚C.
- Support for the connection of **digital temperature sensor**.
- **Power consumption measurement** integrated

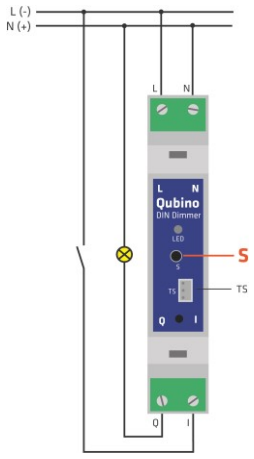
TECHNICAL DATA

Power supply	(110 to 240) V AC ± 10 % 50/60 Hz*, (24 to 30) V DC
Rated load current of AC output	0.85 A/240 V AC
Rated load current of DC output	0,85 A/30 V DC
Output circuit power of AC output (resistive load)	200 W (240 V AC)
Output circuit power of DC output (resistive load)	21 W (24 V DC)
Power monitoring accuracy	± 2 W
Digital temperature sensor range (sensor must be ordered separately)	-25°C~+80°C
Operation temperature	(-10 to 40) ˚C
Distance	up to 30 m indoors
Dimensions (W x H x D)	18 mm x 93 mm x 58 mm
Package dimensions (W x H x D)	21 mm x 95 mm x 64 mm
Weight	50 g
Gross weight (packaging included)	56 g
Electricity consumption	0.7 W
For installation in boxes	DIN rail 35 mm
Switching	MOSFET (Trailing edge)

*** 50Hz for ALL ORDERING CODES; 60Hz for ZMNHSD2**

WIRING DIAGRAM

110-240 V AC/ 24 V DC



PACKAGE CONTAINS

- Device with
- User manual

Flush 1 Relay

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHAD1	868.4 MHz	3830062070102	EU, China, Saudi Arabia, UAE, Kuwati, Jordan, Lebanon
ZMNHAD2	921. 4 MHz	3830062070850	Australia, Domenican republic
ZMNHAD3	908.4 MHz	3830062070652	USA, Chile, Mexico, Chile, Ecuador
ZMNHAD4	869.0 MHz	3830062070867	Russia
ZMNHAD5	916 MHz	3830062070874	Israel
ZMNHAD8	865,2 MHz	3830062070881	India

Flush 1 Relay is used for switching On or Off the electrical device (e.g. light, fan, etc.). The device can be controlled either through a Z-Wave network or through the wall switch. The device is designed to be mounted inside a “flush mounting box” and is hidden behind a traditional wall switch.

ADVANTAGES

- **OMRON relay** used for switching ensure long durability and top quality.
- **The smallest** 1 relay device in the world.
- **Special designed casing** ensure the most simplified installation (ease of cabling fixing) inside a flush mounting box. PROVED and TESTED BY PROFESSIONAL ELECTRICIANS!
- Extremely **low energy consumption**: less than 0.4 W.
- **Extended operating temperatures:** (-10 to 40) ˚C.
- Support for the connection of **digital temperature sensor**.
- **Power consumption measurement**.
- **2 binary inputs** offer the option to connect additional devices such as sensors, switches/push buttons, etc.

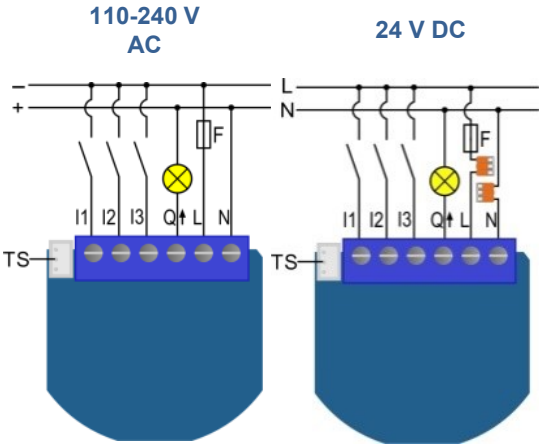
TECHNICAL DATA

Power supply	(110 to 240) VAC ± 10 % 50/60Hz*, (24 to 30) VDC
Rated load current of AC output (resistive load)	1 X 10 A/240 V AC
Rated load current of DC output (resistive load)	1 X 10 A/30 V DC
Output circuit power of AC output (resistive load)	2300 W (240 V AC)
Output circuit power of DC output (resistive load)	240 W (24 V DC)
Power monitoring accuracy	P= (5 to 50) W, ± 3 W; P>50 W, ± 3 %
Digital temperature sensor range (sensor must be ordered separately)	-25°C~+80°C
Operation temperature	(-10 to 40) °C
Distance	up to 30 m indoors
Dimensions (W x H x D)	41.8 mm x 36.8 mm x 15.4 mm
Package dimensions (W x H x D)	79 mm x 52 mm x 22 mm
Weight	28 g
Gross weight (packaging included)	34 g
Electricity consumption	0.4 W
For installation in boxes	Ø ≥ 60 mm or 2M
Switching	Relay

Additional information is available in the technical specifications.

*** 50Hz for ALL ORDERING CODES; 60Hz for ZMNHAD2**

WIRING DIAGRAM



PACKAGE CONTAINS

- Device
- installation manual

Flush 1D Relay

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHND1	868.4 MHz	3830062070072	EU, China, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon
ZMNHND2	921.4 MHz	3830062070898	Australia, Brazil, New Zealand
ZMNHND3	908.4 MHz	3830062070638	Chile, Mexico, USA/Canada
ZMNHND4	869.0 MHz	3830062070904	Russia
ZMNHND5	916 MHz	3830062070911	Israel
ZMNHND8	865,2 MHz	3830062070928	India

Flush 1D Relay is used for switching On or Off the electrical device (e.g. light, fan, etc.). Output contact is voltage free (dry contact), so also loads with different power supply can be connected to the device. The device can be controlled either through a Z-Wave network or through the wall switch. The device is designed to be mounted inside a “flush mounting box” and is hidden behind a traditional wall switch.

ADVANTAGES

- **Dry contact** – voltage free
- **OMRON relay** used for switching ensure long durability and top quality.
- **The smallest** smart switch device in the world.
- Extremely **low energy consumption**: less than 0.4 W.
- **Extended operating temperatures:** (-10 to 40) ˚C.
- Support for the connection of the **digital temperature sensor**.
- **2 binary inputs** offer the option to connect additional devices such as sensors, switches/push buttons, etc.

TECHNICAL DATA

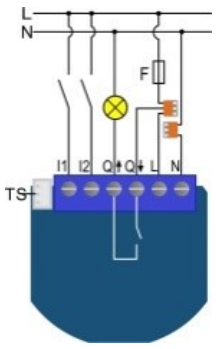
Power supply	(110 to 240) VAC ± 10 % 50/60Hz*, (24 to 30) VDC
Rated load current of AC output (resistive load)	1 X 10 A/240 V AC
Rated load current of DC output (resistive load)	1 X 10 A/30 V DC
Output circuit power of AC output (resistive load)	2300 W (240 V AC)
Output circuit power of DC output (resistive load)	240 W (24 V DC)
Digital temperature sensor range (sensor must be ordered separately)	-25°C~+80°C
Operation temperature	(-10 to 40) °C
Distance	up to 30 m indoors
Dimensions (W x H x D)	41.8 mm x 36.8 mm x 15.4 mm
Package dimensions (W x H x D)	79 mm x 52 mm x 22mm
Weight	28 g
Gross weight (packaging included)	34 g
Electricity consumption	0.4 W
For installation in boxes	Ø ≥ 60 mm or 2M
Switching	Relay

Additional information is available in the technical specifications.

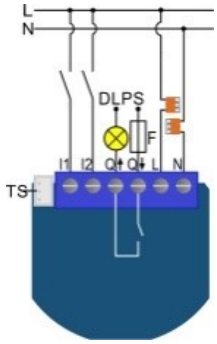
*** 50Hz for ALL ORDERING CODES; 60Hz for ZMNHND2**

WIRING DIAGRAM

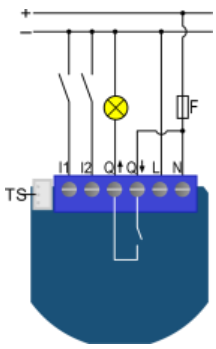
110-240 V AC



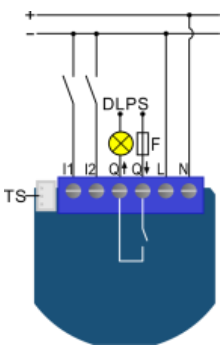
110-240 V AC – DLPS



24 V DC



24 V DC - DLPS



PACKAGE CONTAINS:

- Device
- Installation manual

Flush 2 Relays

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHBD1	868.4 MHz	3830062070119	EU, China, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon
ZMNHBD2	921.4 MHz	3830062070935	Australia, Domenican republic
ZMNHBD3	908.4 MHz	3830062070669	USA, Argentina, Mexico, Chile, Ecuador
ZMNHBD4	869.0 MHz	3830062070942	Russia
ZMNHBD5	916 MHz	3830062070959	Israel
ZMNHBD8	865,2 MHz	3830062070768	India

Flush 2 Relay is used for switching On or Off two electrical devices (e.g. lights, fans, etc.). The device can be controlled either through a Z-Wave network or through the wall switches.The device is designed to be mounted inside a “flush mounting box” and is hidden behind a traditional wall switch.

ADVANTAGES

- **OMRON relays** used for switching ensure long durability and top quality.
- **The smallest** 2 relays device in the world.
- **Special designed casing** ensure the most simplified installation (ease of cabling fixing) inside a flush mounting box. PROVED and TESTED BY PROFESSIONAL ELECTRICIANS !
- Extremely **low energy consumption**: less than 0.4 W.
- **Extended operating temperatures:** (-10 to 40) ˚C.
- Support for the connection of **digital temperature sensor**.
- **Power consumption measurement**.

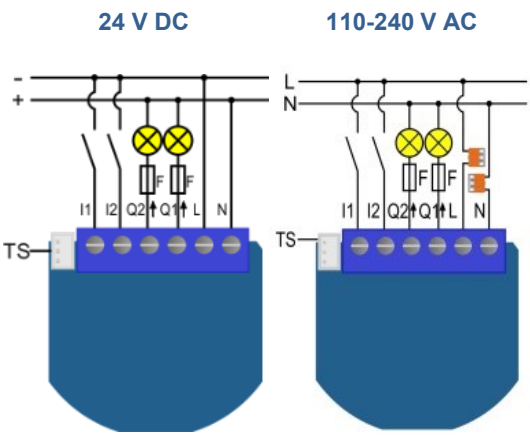
TECHNICAL DATA

Power supply	(110 to 240) V AC ± 10 % 50/60Hz*, (24 to 30) V DC
Rated load current of AC output (resistive load)	2 X 4 A/240 V AC
Rated load current of DC output (resistive load)	2 X 4 A/30 V DC
Output circuit power of AC output (resistive load)	2 X 920 W (240 V AC)
Output circuit power of DC output (resistive load)	2 X 96 W (24 V DC)
Power monitoring accuracy	P= (0 to 200) W, ± 2 W; P>200 W, ± 3 %
Digital temperature sensor range (sensor must be ordered separately)	-25°C~+80°C
Operation temperature	(-10 to 40) °C
Distance	up to 30 m indoors
Dimensions (W x H x D)	41.8 mm x 36.8 mm x 16.9 mm
Package dimensions (W x H x D)	79 mm x 52 mm x 22 mm
Weight	28 g
Gross weight (packaging included)	34 g
Electricity consumption	0.4 W
For installation in boxes	Ø ≥ 60 mm or 2M
Switching	Relay (2x)

Additional information is available in the technical specifications.

*** 50Hz for ALL ORDERING CODES; 60Hz for ZMNHBD2**

WIRING DIAGRAM



PACKAGE CONTAINS

- Device
- Installation manual.

Flush Shutter

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHCD1	868.4 MHz	3830062070126	EU, China, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon
ZMNHCD2	921.4 MHz	3830062071260	Australia, Brazil, New Zealand
ZMNHCD3	908.4 MHz	3830062070645	Chile, Mexico, USA/Canada
ZMNHCD4	869.0 MHz	3830062071253	Russia
ZMNHCD5	916 MHz	3830062071246	Israel
ZMNHCD8	865,2 MHz	3830062070775	India

This device is used to control the motor of blinds, rollers, shades, venetian blinds, windows, etc. It also supports venetian blind slats tilting and it can be controlled either through a Z-Wave network or through the wall switch. Precise positioning is supported for motors equipped with mechanical or electronic end limit switches.

ADVANTAGES

- **Support venetian blind slats tilting**
- **OMRON relays** used for switching ensure long durability and top quality.
- **The smallest** blinds control device in the world.
- **Special designed casing** ensure the most simplified installation (ease of cabling fixing) inside a flush mounting box
- Extremely **low energy consumption**: less than 0.4 W.
- **Extended operating temperatures:** (-10 to 40) ˚C.
- Support for **precise positioning.**
- Support for the connection of **digital temperature sensor**.
- **Power consumption measurement**.

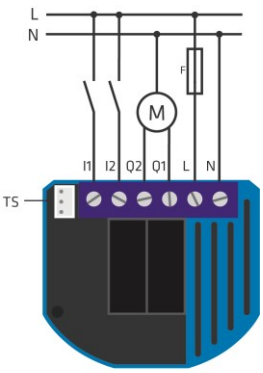
TECHNICAL DATA

Power supply	(110 to 240) V AC ± 10 % 50/60Hz*
Rated load current of AC output (resistive load)	2 X 4 A/240 V AC
Output circuit power of AC output (resistive load)	2 X 920 W (240 V AC)
Power monitoring accuracy	P= (0 to 200) W, ± 2 W; P>200 W, ± 3 %
Digital temperature sensor range (sensor must be ordered separately)	-25°C~+80°C
Operation temperature	(-10 to 40) °C
Distance	up to 30 m indoors
Dimensions (W x H x D)	41.8 mm x 36.8 mm x 16.9 mm
Package dimensions (W x H x D)	79 mm x 52 mm x 22 mm
Weight	28 g
Gross weight (packaging included)	34 g
Electricity consumption	0.4 W
For installation in boxes	Ø ≥ 60 mm or 2M
Switching	Relay (2x)

Additional information is available in the technical specifications.

*** 50Hz for ALL ORDERING CODES; 60Hz for ZMNHCD2**

WIRING DIAGRAM FOR for 110-240 V AC



PACKAGE CONTAINS

- Device
- Installation manual

Flush Shutter DC

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHOD1	868.4 MHz	3830062070089	EU, China, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon
ZMNHOD2	921.4 MHz	3830062071338	Australia, Domenican republic
ZMNHOD3	908.4 MHz	3830062070614	USA, Argentina, Mexico, Chile, Ecuador
ZMNHOD4	869.0 MHz	3830062071284	Russia
ZMNHOD5	916.0 MHz	3830062071277	Israel
ZMNHOD8	865,2 MHz	3830062071291	India

This device is used to control the (12 to 24) V DC motor of blinds, rollers, shades, venetian blinds, windows, etc. It also supports venetian blind slats tilting and it can be controlled either through a Z-Wave network or through the wall switch. Precise positioning is supported for motors equipped with mechanical or electronic end limit switches.

ADVANTAGES

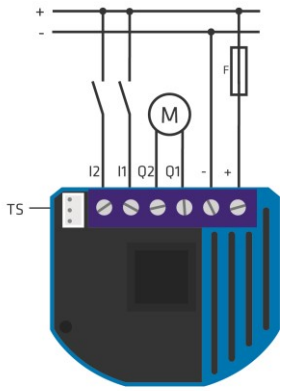
- **Support venetian blind slats tilting**
- **Protection** against accidental short circuit on outputs.
- **Protection** agains wrong power supply connection.
- **Over temperature** protection.
- **The smallest** blinds control device in the world.
- **Special designed casing** ensure the most simplified installation (ease of cabling fixing) inside a flush mounting box.
- Extremely **low energy consumption**: cca. 0.3 W.
- **Extended operating temperatures:** (-10 to 40) ˚C.
- Support for **precise positioning.**
- Support for the connection of **digital temperature sensor**.
- **Power consumption measurement**.

TECHNICAL DATA

Power supply	(12 to 24) V DC ±10 %
Rated load current of DC output (resistive load)	2 A
Overcurrent protection	6 A
Output circuit power of DC output (resistive load)	48 W
Power monitoring accuracy	± 5 %
Digital temperature sensor range (sensor must be ordered separately)	-25°C~+80°C
Operation temperature	(-10 to 40) °C
Distance	up to 30 m indoors
Dimensions (W x H x D)	41.8 mm x 36.8 mm x 15.4 mm
Package dimensions (W x H x D)	79 mm x 52 mm x 22 mm
Weight	28 g
Gross weight (packaging included)	34 g
Electricity consumption	cca. 0.3W
For installation in boxes	Ø ≥ 60 mm or 2M
Switching	H bridge

Additional information is available in the technical specifications.

WIRING DIAGRAM FOR (12 to 24) V DC



PACKAGE CONTAINS

- Device
- installation manual

Smart Meter

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHTD1	868.4 MHz	3830062070362	EU, China, UAE, Kuwait, Jordan, Lebanon, Saudi Arabia

This device is used for energy measurements in single-phase electrical power network up to 65 A. Meters measure energy directly in 2-wire networks according to the principle of fast sampling of voltage and current signals. A built-in microprocessor calculates energy, power and power factor from the measured signals. The device can be controlled through Z-wave network and it acts as repeater in order to improve range and stability of Z-wave network.It is designed to be mounted on DIN rail. Smart Meter supports the latest and the safest communication protocol for Smart Home devices - **Security 2 (S2).**

ADVANTAGES

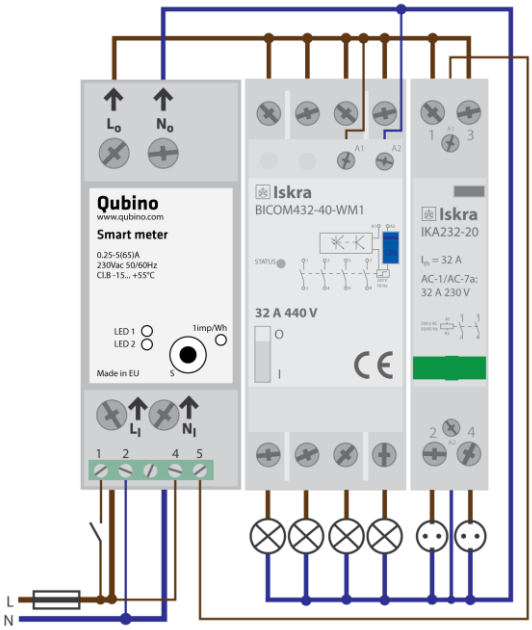
- **Measurement up to 65A** (single phase)
- **Easy installation** (DIN rain mounting)
- **Switching control (ON/OFF) 2x32A** (with IKA and BICOM)
- **Security 2 (S2) Authenticated** supported

TECHNICAL DATA

Main terminals (LI, NI, Lo, No)	
Contacts capacity	(1.5 to 16 (25)) mm^2
Connection screws	M5
Max torque	3.5 Nm (PZ2)
Optional terminals (1,2,4,5)	
Contact capacity	(0.05 to 1 (2.5)) mm^2
Max torque	0.6 Nm
Measuring input	
Type (connection)	single phase (1b)
Reference current (Iref)	5 A
Maximum current (Imax)	65 A
Minimum current (Imin)	0.25 A
Starting current	20 mA
Voltage (Un)	230 V (± 20 %)
Power consumption at Un	< 2 W
Nominal frequency (fn)	50 and 60 Hz*
Input (1)	
Rated voltage	230 V (± 20 %)
Input resistance	450 kOhm
Safety	
AC voltage test	4 kV
Installation Category	300 Vrms cat. III
Standard	EN 50470
Ambient conditions and EMC	
Dust/water protection	IP20
Operation temperature	(-10 to 40) °C
Storage temperature	(-40 to 70) °C
Enclosure material	self extinguish, complying UL94 V
Indoor meter	Yes
Distance	up to 30 m indoors
Weight	150 g
Gross weight (packaging included)	170 g
Installation	DIN rail 35 mm
Dimensions (W x H x D)	36 mm x 90 mm x 64 mm
Package dimensions (W x H x D)	40 mm x 95 mm x 80 mm
Colour	RAL 7035

*** FOR MORE DETAILS CHECK THE EXTENDED PRODUCT MANUAL**

WIRING DIAGRAM



The device can control two electrical devices (switching on/off):

- one BICOM432-40-WM1 Bistable switch (32 A) controlled by built in optical (IR) communication port and
- one IKA232-20/230 V Contactor (32 A) controlled by output on terminal 5.

Additional information for bistable switch and contactor is available in Smart Meter accesories.

PACKAGE CONTAINS

- Device
- installation manual
- S2 label

3-Phase Smart Meter

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHXD1	868.4 MHz	3830062070683	EU, China, UAE, Kuwait, Jordan, Lebanon

Qubino 3-Phase Smart Meter is used for energy measurements in three-phase electrical power network and can be used in residential, industrial and utility applications. The device measures energy directly in 4-wire networks according to the principle of fast sampling of voltage and current signals. It is designed to be mounted on DIN rail. 3-Phase Smart Meter supports the latest and the safest communication protocol for Smart Home devices - **Security 2 (S2).**

Security 2 (S2)*

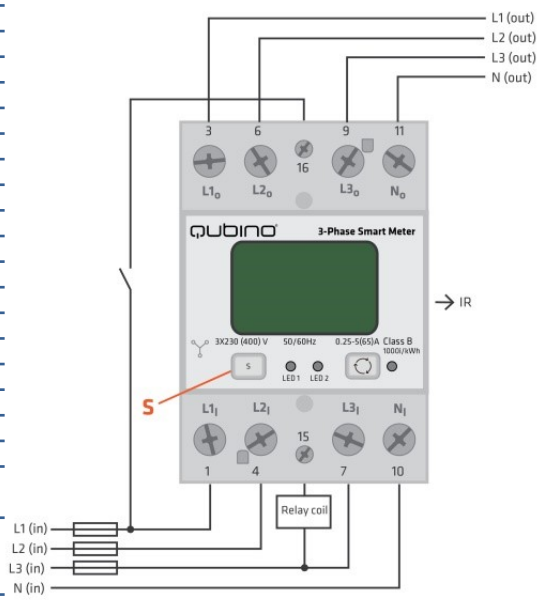
ADVANTAGES

- **Easy installation** (DIN rail mounting)
- Reports status change and power consumption for each phase individually
- **Switching control (ON/OFF) 2x32A** (with IKA and BICOM)

TECHNICAL DATA

Main terminals (L1I, L2I, L3I, NO, L1O, L2O, L3O, NO)	
Contacts capacity:	
Rigid/ (flexible)	1.5 ... 25 (16) mm2
Connection screws:	M5
Max torque:	3.5 Nm (PZ2)
Optional terminals (16, 15)	
Contact capacity:	1 ... 2.5 mm2
Max torque:	1.2 Nm
Measuring input:	
Type (connection):	three phase (4u)
Basic current (Ib):	5 A
Maximum current (Imax):	65 A
Minimum current (Imin):	0.25 A
Transitional current (Itr):	0.5 A
Starting current:	20 mA
Nominal voltage (Un):	230V (+15-20%)
Power consumption per phase at Un	< 8 VA
Nominal frequency (fn):	50 and 60 Hz
Accuracy:	
Active energy:	class 1 EN 62053-21,class B EN 50470-3 ±1.5% from Imin to Itr ±1% from Itr to Imax
Reactive energy:	class 2 EN 62053-23, ±2.5% from Imin to Itr, ±2% from Itr to Imax
Voltage:	±1% of measured value
Current:	±1% of Iref from Ist to Iref ±1% of measured value from Iref to Imax
Active Power:	±1% of nominal power (Un*Iref) from Ist to Iref ±1% of measured value from Iref to Imax
Reactive, Apparent power:	±2% of nominal power from Ist to Iref ±2% of measured value from Iref to Imax
Frequency	±0.5% of measured value
Weight (with packaging):	220g (240g)
Frequency range:	868.4 MHz*, Z-Wave
Installation	Din rail 35mm (EN 60715)
Dimensions (W x H x D):	53.6 x 84 x 69.4mm
Measurements	
Phase voltage U1,U2,U3	[V]
Phase current I1,I2,I3	[A]
Power – Active, per phase and total	[W]
Power – Reactive total	[kvar]
Energy –Active Import/export	[kWh]
Energy – Reactive total	[kvarh]
Energy – Apparent total	[kVAh]

WIRING DIAGRAM



The device can control two electrical devices (switching on/off):

- with BICOM432-40-WM1 Bistable switch (32 A) controlled by built in optical (IR) communication port and
- with IKA232-20/230 V Contactor (32 A) controlled by output on terminal 5.

Additional information for bistable switch and contactor is available under Smart Meter accessories.

PACKAGE CONTAINS

- Device
- Installation manual
- S2 label

Smart Meter Accessories

IKA232-20/230 V

Ordering code: **030 046 833 000**
GTIN-13(EAN code): **3838733074046**

Device is accessory of Smart Meter. It is used for switching On or Off the electrical load up to 32 A.
Communication with Smart Meter: over terminals A1 on IKA232-20 and 5 on Smart Meter.

Voltage	230 V ± 10 %, 50/60 Hz
Current	32 A, 2 pole
Operation temperature	(-15 to 55) °C
Storage temperature	(-40 to 80) °C
Dust/water protection	IP20
Weight	130 g
Gross weight (packaging included)	135 g
Installation	DIN rail 35 mm
Dimensions (W x H x D)	17.5 mm x 85 mm x 60 mm
Package dimensions (W x H x D)	20 mm x 95 mm x 70 mm
Coil consumption	1.2 W

PACKAGE CONTAINS

- Device
- Installation manual

BICOM432-40-WM1

Ordering code: **30.074.038**
GTIN-13(EAN code): **3838651300012**

Device is accessory of Smart Meter. It is used for switching On or Off the electrical load up to 32 A.
Communication with Smart Meter: optical (IR) communication port

Voltage	230 V ± 10 %, 50/60 Hz
Current	32 A, 4pole
Operation temperature	(-25 to 55) °C ((>55 to 70) °C at max. impulse duration which is 1 min)
Storage temperature	(-30 to 80) °C
Dust/water protection	IP20
Weight	250 g
Gross weight (packaging included)	270 g
Installation	DIN rail 35 mm
Dimensions (W x H x D)	35.2 mm x 90 mm x 60 mm
Package dimensions (W x H x D)	40 mm x 95 mm x 70 mm
Coil consumption	0.5 W

PACKAGE CONTAINS

- Device
- Installation manual

Smart Plug 16A

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNHYD1	868.4 MHz	3830062071505	EU, CN, Saudi Arabia, UAE, Kuwait, Jordan, Lebanon

The Smart Plug 16A controls on/off function for the connected device. It also measures power consumption of the connected device according to the principle of fast sampling of voltage and current signals. A built-in microprocessor calculates energy and power from the measured signals.
Smart Plug 16A supports the latest and the safest communication protocol for Smart Home devices - **Security 2 (S2).**

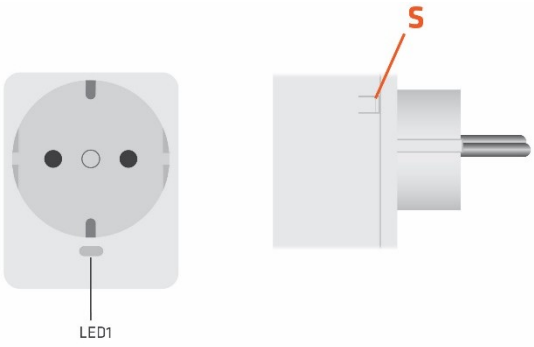
ADVANTAGES

- **Easy and quick installation – Plug & Play**
- The Qubino Smart Plug 16A allows the possibility to **manage all appliances** in your apartment. You will not be limited to use it only on the small energy consumers
- Remote (via smartphone or PC) and local on/off control of bulbs and electrical appliances such as irons, microwave, fans etc.
- **Security 2** Authenticated

TECHNICAL DATA

Power supply	230 VAC ±10% / 50 Hz
Power load	16A resistive max.
Overload protection	> 16A
Power consumption	< 1W
Housing dimensions	43 x 52 x 75 mm
Housing colour	white
Weight (ex. packaging) Weight with packaging	~ 80g ~ 101g
Z-Wave operation range	up to 30 m indoors (98 ft)
Operating temperature	0 ~ +40°C (32 ~ 104°F); <80% RH non condensing
Storage operation	-20 ~ +70°C (-4 ~ 158°F); <80% RH non condensing
Plug & Socket type	Plug Type F, Socket compatible with type C and F
Switching	Relay
LED1	Led indicator
S	Service button
Measurements	
Voltage	[V]
Current	[A]
Active Power	[W]
Active energy	[kWh]

ELETRICAL DIAGRAM 230 VAC



PACKAGE CONTAINS

- Smart Plug 16A
- Installation manual
- S2 label.

Flush On/Off Thermostat 2

ORDERING CODE	Z-WAVE FREQUENCY	GTIN-13 (EAN code)	COUNTRY/REGION
ZMNKID1	868.4 MHz	3830062071710	EU, China, Saudi Arabia, Jordan, Lebanon
ZMNKID2	921.4 MHz	3830062071727	Australia, Domenican republic
ZMNKID3	908.4 MHz	3830062071734	USA, Argentina, Mexico, Chile, Ecuador
ZMNKID4	869.0 MHz	3830062071741	Russia

The Qubino Flush On/Off Thermostat 2 is ideal for remotely controlling electric or water-based underfloor heating systems, electric water heaters, hot water pumps, electric radiators and similar. It is connected directly to either 240 V AC or 24 V DC, no batteries required.

ADVANTAGES

- Smart Thermostat **measures power consumption of the connected heating system** - current consumption in **W** and cumulated consumption in **kWh**.
- **Due to its small size** the device can be easily installed inside a flush mounting box and covered with a traditional wall switch with two 1M blank covers.
- **Fast & Trouble-free set up with Z-Wave SmartStart -** Simply scan the QR code on the device, install it and provide with power. Your SmartStart gateway recognizes the device and the inclusion is done automatically.
- **Protect your smart home from cyber-attacks.** Qubino Flush On/Off Thermostat 2 is not only easy to setup but it's virtually un-hackable, with the highest level of security for smart home devices on the market – **Security 2**.

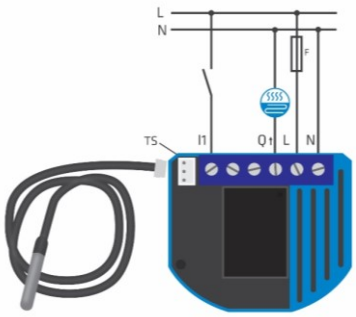
TECHNICAL DATA

Power supply	110 to 240 VAC ± 10 % 50/60Hz*, (24 to 30 VDC)
Rated load current of AC output (resistive load)	1 X 10 A/240 V AC
Rated load current of DC output (resistive load)	1 X 10 A/30 V DC
Output circuit power of AC output (resistive load)	2300 W (240 V AC)
Output circuit power of DC output (resistive load)	240 W (24 V DC)
Power measurement accuracy	P= 5 - 50W, ± 3 W; P>50 W, ± 3 %
Operation temperature	-10 to 40°C (14 to 104°F)
Distance	up to 40m (131ft) indoors
Dimensions (W x H x D)	41.8 mm x 36.8 mm x 15.7 mm
Package dimensions (W x H x D)	72mm x 84mm x 41mm
Weight	48 g
Gross weight (packaging included)	75 g
Electricity consumption	0.4 W
For installation in boxes	Ø ≥ 60 mm (2,36 in) or 2M
Switching	Relay
Digital temperature sensor range	-25°C~+80°C, resolution 0.1 °C
Digital temperature sensor cable lenght	1000 mm

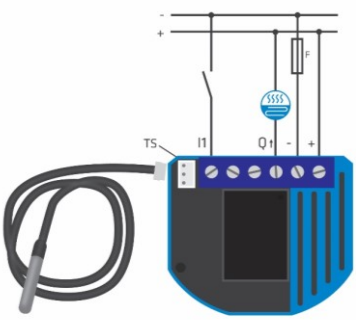
Additional information is available in the technical specifications.

WIRING DIAGRAM

110-240 V AC



24 V DC



CONTROL DIFFERENT TYPES OF HEATING DEVICES

Water heater

Heat pump

Radiator

IR panel

Underfloor heating

PACKAGE CONTAINS

- Device,
- temperature sensor
- installation manual
- S2 label.

Accessories List

Temperature Sensor

Ordering code: **ZMNHEA1**

GTIN-13(EAN code): **3830062079006**

Digital Temperature Sensor has 1 m cable with connector to connect directly to Qubino devices.

Digital temperature Sensor range	-25°C~+80°C
Cable lenght	1000 mm
Package dimensions (W x H x D)	140 mm x 170 mm x 80 mm
Gross weight (packaging included)	20 g

Temperature Sensor

Temperature Sensor connection to the device

Installation of the Temperature Sensor inside the 2M casing SET

Installation of the Temperature Sensor inside the Wall Mounted Casing

PACKAGE CONTAINS

Temperature Sensor installation manual.

2M Casing SET

Ordering code: **ZMNHFA1**

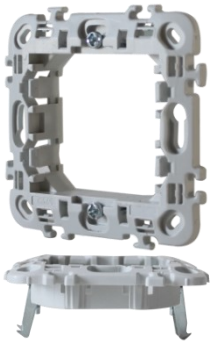
GTIN-13(EAN code): **3830062079013**

Material	PC/ABS
Dimenssions	2M
Package dimensions (W x H x D)	80 mm x 80 mm x 35 mm
Gross weight (packaging included)	44 g

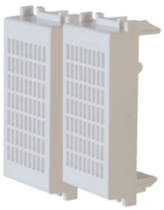
Temperature Sensor can be installed behind 2M Casing SET. SET is suitable for mounting on boxes Ø60 with claws. SET consists of:

- 1 X mounting frame 2M with claws,
- 2 X 1M perforated blank cover,
- 1 X cover plate

2M Casing SET



Mounting frame with claws



2 X 1M perforated blank cover to fill empty space
Colour: Polar white

Cover plate 2M
Colour: Polar white

PACKAGE CONTAINS

2M Casing SET and installation manual.

Accessories List

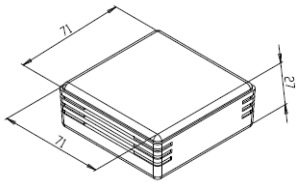
Wall Mounted Casing

Ordering code: **ZMNHGA1**

GTIN-13(EAN code): **3830062079020**

Temperature sensor can be installed inside Wall Mounted Casing.

Dimenssions	71 mm x 71 mm x 27 mm
Colour	White
Material	ABS
Package dimensions (W x H x D)	105 mm x 75 mm x 28 mm
Gross weight (packaging included)	34 g



Wall Mounted Casing scheme

Installation of the Temperature Sensor inside the Wall Mounted Casing

Wall Mounted Casing front and side view

PACKAGE CONTAINS

1 Wall Mounted Casing and 1 installation manual

Surface Door Sensor

Ordering code: **NEDJAA1**

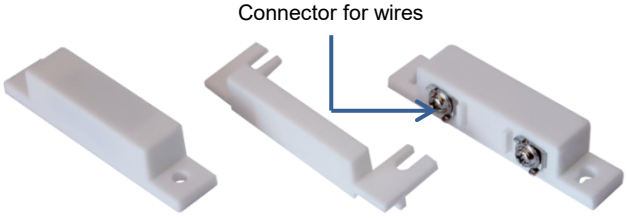
GTIN-13(EAN code): **3830062079037**

Sensor comes in three parts. Door mounted part is screwed by two screws on the door, the second part – Door frame part goes screwed on the door frame, this part has 2 connectors for 2 wires. Third part is called Cover for connectors and covers connectors.

When the door is closed the two parts should be aligned.

Material:	Anti-fire ABS shield
Connecting mode:	N.C.
Rated current:	300 mA
Rated voltage :	200 V DC
Operating distance:	More than 15 mm, less than 25 mm
Rated power:	3 W
Package dimensions (W x H x D):	85 mm x 94 mm x 22 mm
Gross weight (packaging included):	26 g

Surface Door Sensor



Left part: Door mounted part
Middle part: Cover for connectors
Right part: Door frame part

PACKAGE CONTAINS

Wall Mounted Casing and installation manual.

Accessories List

Built-in Door Sensor

Ordering code: **NEDJAA2**

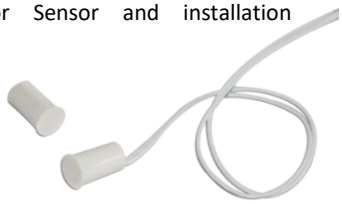
GTIN-13(EAN code): **3830062079044**

Sensor comes in two parts. One part is built-in in the door, while the second part with 2 wires is inserted on the door frame. When the door is closed the two parts should be aligned.

Material:	Anti-fire ABS shield
Connecting mode:	N.C.
Rated current:	100 mA
Rated voltage :	200 V DC
Operating distance:	More than 15 mm, less than 25 mm
Rated power:	2 W
Wires length:	150 mm
Package dimensions (W x H x D):	79 mm x 52 mm x 22 mm
Gross weight (packaging included):	12 g

PACKAGE CONTAINS

Built-in Door Sensor and installation manual.



Built-in Door Sensor

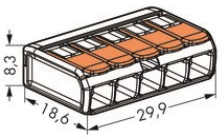
Splicing Connector

Ordering code: **GEKDAA1**

GTIN-13(EAN code): **3830062079051**

COMPACT splicing connectors for all wire types; 5-conductor wire block; with operating levers; max. operating temperature 85 °C

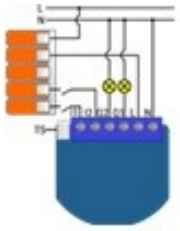
Total number of connection points :	5
Rated voltage EN (1) [V]:	450 V
Nominal current [A]:	32 A
Solid sizes 1:	(0.2 to 4) mm²/(24 to 12) AWG
Fine-stranded wires 1:	(0.14 to 4) mm²/(24 to 12) AWG
Stranded, connectable 1.:	(0.2 to 4) mm²/(24 to 12) AWG
Dimensions (W x H x D):	29.9 mm x 8.3 mm x 18.6 mm
Gross weight:	4.07 g



PACKAGE CONTAINS

Splicing Connector and installation manual.

Example of connection



Fuse Holder 5 x 20 mm

Ordering code: **FS5X20**

Terminal with 5 x 20 mm fuse holder, type Adels-Contact 503 Si/1DS

PACKAGE CONTAINS

100 pcs Terminal 5 x 20 mm with fuse holder

Dimensions (W x H x D):	330 mm x 220 mm x 35 mm
Gross weight:	585 g

Terminal with 5 mm x 20 mm fuse holder

Micro Fuse 5 x 20 mm

The fuse must be installed in fuse holder: Adels contact 503 Si/ 1DS.

Micro Fuse type	Ordering code
Micro fuse (Ø x L) 5 mm x 20 mm 0.05 A used for Flush Dimmer 0-10V	ESKA 522.504
Micro fuse (Ø x L) 5 mm x 20 mm 1 A used for Flush Dimmer	ESKA 522.717
Micro fuse (Ø x L) 5 mm x 20 mm 4 A used for Flush Shutter, Flush 2 Relays	ESKA 522.723
Micro fuse (Ø x L) 5 mm x 20 mm 5 A used for Flush Shutter DC	EKSA 522.724
Micro fuse (Ø x L) 5 mm x 20 mm 10 A used for Flush 1 Relay, Flush 1D Relay	ESKA 522.727
Dimensions (W x H x D):	110 mm x 93 mm x 72 mm
Gross weight:	1120 g

PACKAGE CONTAINS

1000 pcs Micro fuse 5 x 20 mm

Micro fuse 5 x 20 mm

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Your little magic for the smartest home.

Why work with us?

GOAP d.o.o, global innovation leader in smart home modules and cruise ship automation, with its brand Qubino is a European company with 26-years experience in the automation field. With the expertise and passion for innovation in automation we have developed a unique, ready to sell, certified and reliable portfolio of 14 Z-Wave wireless Smart Home products under the Qubino brand. All Qubino products are developed, tested and manufactured in the Europe and available for sale in more than 65 countries worldwide.

Besides developing Smart Home products, we also provide intelligent solutions for controlling cruise ships` cabins (Carnival Cruise, Princess Cruises, Cunard, Costa Cruises), with a respectful 50% worldwide market share.

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