

WIRELESS AND WIRE DOORBELLS



How to choose a wireless doorbell?

When the electrician has forgotten to draw a wire to the doorbell at the new house, when you need to replace old non-functional wires, or move the doorbell to a different place, then it is easiest for you to use a **Wireless Doorbell**.

What you should look at when choosing your doorbell:

- **Required distance and number of obstacles between the transmitter and receiver.**

The doorbell manuals include information (pictographs) where the range on free areas and in built-up areas can be found. If the transmitter will be placed by the front door and the receiver beyond one wall, you can use the cheapest type with a range of 20m within the building.



In case we need the signal to go through several walls and a ceiling, it is necessary to choose a doorbell with a longer range.



- **Way of powering the receiver.**

Batteries – the purchase cost is lower, however it is more expensive to run, the batteries must be changed every 6 months to 1 year. The risk is also, that after the batteries run out, the guests will not be able to reach you.



Mains supplied by 230 VAC are more expensive to buy but are cheaper to run. The usage of such a receiver is up to 1,5 VA, a figure that is not detectable by usual electricity meters.



Button - receiver

If the button is placed outside, it is necessary to choose one that has IP42 or greater. If the button is placed in the hall, it does not need to be waterproof



Sound

The doorbells are delivered with the sound GONG or different melodies. On some kinds it is possible to choose one melody that is repeated, on others the melodies change.



Price

You could say that the higher the price, the better quality of the bell - longer range, better sound.



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A wide range of doorbells from mains supplied up to wireless, with different properties and usage. For the deaf we have doorbells that are equipped with a light signal.

Mains supplied doorbells



DZ1



BZ3



BZ7



BZ8



BZ11



BZ12-Melody

Mains supplied doorbells
Long range



BZ911



BZ912



BZ914

Battery-supplied doorbells



BBZ5



BZ6



BZ10



BZ13

Wired doorbells



ZV2 - 1Gong



ZV2 - 3Gong



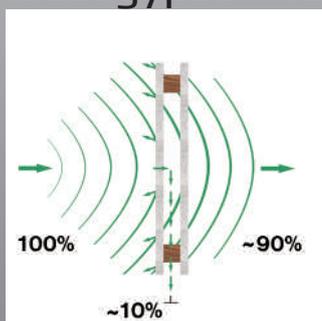
ZV2 - Econom



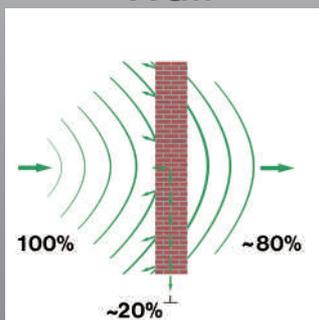
ZV2 - Melody

The range of the wireless bells is influenced by the distance between the transmitter, receiver and the obstacles that are in a straight line between them. The material of the walls is also important. The least influence has a thin wall of gypsum board or brick. On the other hand the worst are ceilings of reinforced concrete. Then the range can be even five times shorter than on open areas.

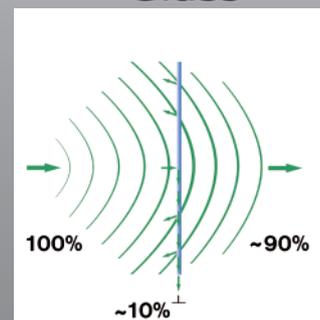
Wood/gypsum board



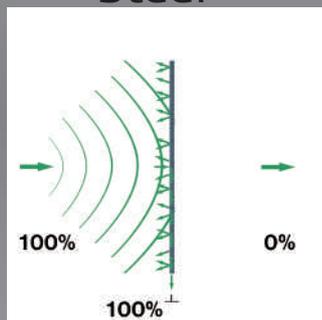
Wall



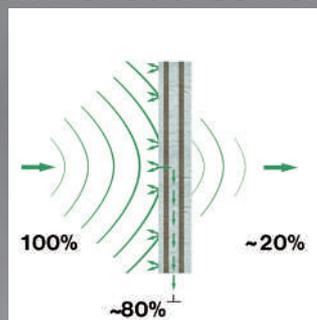
Glass



Steel



Reinforced concrete



The transmitter (button) must not be put on a metal base or in their close proximity, e.g. on a metal door frame. Inappropriate installation can lower the range significantly or even make the system stop working.



Metal frame of a fence



Metal mailbox



Metal cover



Metal door

DZ1



**Basic model of the wireless doorbell.
A set of 1 transmitter and 1 receiver.**

DZ1-1

Order Nr.: - 0210

CLASSIC

DZ1



Description:

- Wireless doorbell for middle range
- Digital coding
- A radio transmitted signal on the 433,92MHz frequency
- Simple and quick installation
- The button is intended for outside use
- A range up to 200 m
- Range in built-up areas 30 m

Receiver	Transmitter

Technical specifications

Receiver		Transmitter (NT-BCD)	
Power supply	230 V / 50 Hz	Power supply	1 x 12 V L1028 23 A
Usage	< 2 VA	Vf output	< 200 uW
Sensitivity	< - 90 dBm	Ingress protection rating	IP 65
Volume	< 80 dB	Battery lifetime	up to 2 years
Speaker	metal 0,5 W	Working temperature	- 20 °C to 50 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	up to 200 m
Range in the building	cca 30 m

Accessories:



DZ1

DZ1-2

Order Nr.: - 0220



Combination of one receiver and two transmitters. The assembly is suitable when you need to indicate the entering guests from two places. For example the gate and the front door. According to the tone of the bell it is possible to know from where the guest is ringing.



DZ2-1

Order Nr.: - 0212



Combination of two receivers and one transmitter. Suitable for bigger buildings where the bell is hard to hear from all places. Both receivers ring at the same time.



Combination of two receivers and a two button transmitter.
The assembly is suitable for two storey houses,
where each storey is one flat. Each pair rings separately.

DZ2-2

Order Nr.: - 0222

CLASSIC

DZ1



- Made to order.

Transmitter

IP65	150m	25m	433,92 MHz	L1028 12V	ASK
------	------	-----	------------	-----------	-----

Combination of four receivers and a four button transmitter.
The assembly is suitable for up to 4 users.
One transmitter with four buttons operates 4 bells for
different flats.

DZ4-4

Order Nr.: - 0244

CLASSIC



- Made to order.

Transmitter

IP65	150m	25m	433,92 MHz	L1028 12V	ASK
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BZ7



A set of a wireless bell for short range.

BZ7

Order Nr.: - 0270



BZ7



Description:

- Wireless doorbell for short range
- When ringing the bell makes a sound (GONG)
- Digital coding
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 100 m
- Range in built-up areas up to 20 m
- Accessories can be purchased: button (NT-BCD, WS113), spare receiver (BZ8-NP), range extender (WS230) or a protective cover of the button (KBT)

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	230 V/50 Hz	Power supply	1x12V L1028 23A
Usage	< 1,5 VA	Vf output	< 200 uW
Sensitivity	< - 86 dBm	Ingress protection rating	IP 40
Volume	< 80 dB	Battery lifetime	up to 2 years
Speaker	plastic 0,5 W	Working temperature	0 to 50 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 100 m
Range in the building	cca 20 m

Accessories:

WS230 NT-BCD BZ8-NP

BZ8

Order Nr.: - 0281



A set of a wireless doorbell meant for middle ranges. The receiver is equipped with a CODE SELF-TEACHING function.



Description:

- Wireless doorbell (GONG) with a unique system of CODE SELF-TEACHING (AS system)
- Meant for middle ranges
- When ringing, the bell makes a three-gong sound
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 100 m
- Range in built-up areas up to 20 m
- It is possible to buy a spare button (NT-BCD, WS113 - installed under the switch, WS230)

Receiver	Transmitter
     	     

Technical specifications

Receiver		Transmitter (NT-BCD)	
Power supply	230 V / 50 Hz	Power supply	1 x 12 V L1028 23A
Usage	< 2 VA	Vf output	< 200 uW
Sensitivity	< - 95 dBm	Ingress protection rating	IP 65
Volume	< 78 dB	Battery lifetime	up to 2 years
Speaker	plastic 0,2 W	Working temperature	- 20 °C to 50 °C
Ingress protection rating	IP 20		
Coding	AS		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 100 m
Range in the building	cca 20 m

Accessories:



BZ8

The transmitter of this wireless doorbell is designed for mounting into an installation box under any button. So you can let harmonized a doorbell pushbutton with your given switchers. The receiver is equipped with a CODE SELF-TEACHING function.

BZ8-113

Order Nr.: - 0282

CLASSIC

BZ8-113



Description:

- Wireless doorbell (GONG) with a unique system of CODE SELF-TEACHING (AS system)
- Meant for middle ranges
- When ringing, the bell makes a three-gong sound
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 100 m
- Range in built-up areas up to 20 m
- Possibility to choose 3 tones, choose connection of transmitter

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	230 V / 50 Hz	Power supply	1 x 12 V L1028 23A
Usage	< 2 VA	Vf output	< 5 mW
Sensitivity	< - 90 dBm	Ingress protection rating	IP 20 and higher acc. to ass.
Volume	< 78 dB	Battery lifetime	up to 2 years
Speaker	plastic 0,2 W	Working temperature	- 20 °C to 40 °C
Ingress protection rating	IP 20		
Coding	AS		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 100 m
Range in the building	cca 20 m

Accessories:



BZ11

Order Nr.: - 1111



BZ11



VOLUME SETTING



Description:

- Wireless doorbell for middle range
- Digital coding
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- Range in open areas up to 150m
- Range in built-up areas up to 25 m
- Accessories can be purchased
- Possibility of volume setting

Colour variations of doorbells:



black

Order. Nr.: - 1116



silver

Order. Nr.: - 1117



orange

Order. Nr.: - 1118



anthracite

Order. Nr.: - 1119



red wine

Order. Nr.: - 1120

BZ11-21

CLASSIC

Order Nr.: - 1114

BZ11-12

CLASSIC

Order Nr.: - 1112



A set of two receivers and one transmitter meant for middle ranges.



A set of one receiver and two transmitters meant for middle ranges.

BZ11

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	230 V / 50 Hz	Power supply	1 x 12 V L1028 23 A
Usage	< 1 VA	Vf output	< 200 uW
Sensitivity	< - 80 dBm	Ingress protection rating	IP 42
Volume	< 60 dBm	Battery lifetime	up to 2 years
Speaker	plastic 0,5 W	Working temperature	- 10 to 50 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 150 m
Range in the building	cca 25 m

Accessories:



BZ12



A set of a wireless doorbell meant for middle ranges.

16 types of melodies can be chosen.

BZ12-Melody

Order Nr.: - 1115

CLASSIC

BZ12



Description:

- Wireless doorbell for middle range
- 16 types of melodies can be chosen
- Digital coding
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range on free are up to 200 m
- Range in built-up areas up to 30 m
- System of automatic code learning
- Light indication of ringing
- Accessories can be purchased

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	230 V / 50 Hz	Power supply	1 x 12 V L1028 23 A
Usage	< 1 VA	Vf output	< 200 uW
Sensitivity	< - 80 dBm	Ingress protection rating	IP 42
Volume	< 60 dBm	Battery lifetime	up to 2 years
Speaker	plastic 0,5 W	Working temperature	- 10 to 50 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 200 m
Range in the building	cca 30 m

Accessories:

WS230 NT-BCD



BZ3-1P, S





BZ3-1P

(through socket)
Order Nr.: - 0310

BZ3-1S

(switch socket)
Order Nr.: - 0320



BZ3-1P, S

Description:

- Wireless doorbell for the deaf with light indication, with a unique system of CODE SELF-TEACHING and through/switch socket
- When the doorbell rings, the red LED starts to flashing for 20 seconds.
- The doorbell can learn up to 8 different codes, it is possible to control it by up to 8 different transmitters NT-BCD
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 120 m
- Range in built-up areas up to 30 m
- BZ3-1P receiver with through socket. It is suitable for places where we need to use wall socket for any other appliance.
- BZ3-1S is an improved version of the bell BZ3-1P where the part of receiver is switch socket. It is possible to connect any appliance, e.g. a lamp that flashes for 20 seconds after ringing.

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	230 V / 50 Hz	Power supply	1 x 12 V L1028 23 A
Usage	< 2 VA	Vf output	< 200 uW
Sensitivity	< - 90 dBm	Ingress protection rating	IP 65
Volume	< 80 dB	Battery lifetime	up to 2 years
Speaker	plastic 0,2 W	Working temperature	- 20 °C to 50 °C
Ingress protection rating	IP 20		
Coding	AS		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 120 m
Range in the building	cca 25 m

Accessories:

WS230 NT-BCD



BZ911



BZ911

Order Nr.: - 1911

PROFI

BZ911



Description:

- Wireless bell with TWO-WAY communication, AUTODIDACTIC system and LARGE range.
- Choice of five types of melody with a pleasant aftertaste
- High reliability of transmission signal
- Higher resistance to interference
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- Backward confirmation of receiver on the signal acceptance (if we press the button at the door and the red diode switches on, we have the certainty that inside the welcoming tone of the bell rang)
- Low battery indication in transmitter (the red diode flashes quickly-on the receiver)
- Large range on open area up to 300 m!

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	230 V / 50 Hz	Power supply	1 x 3 V, CR2430
Usage	< 1,5 VA	Vf output	< 5 mW
Sensitivity	< - 102 dBm	Ingress protection rating	IP 65
Volume	< 85 dB	Battery lifetime	up to 5 years
Speaker	metal 0,5 W	Working temperature	- 20 °C to 50 °C
Ingress protection rating	IP 20		
Coding	AS		

Joint

Frequency	433,92 MHz
Type of transmission	FSK
Type of communication	two-way
Range in open areas	cca 300 m
Range in the building	cca 35 m

Accessories:



BZ912

Order Nr.: 1912

PROFI

BZ912



Description:

- Wireless bell with TWO-WAY communication, AUTODIDACTIC system and LARGE range.
- Choice of five types of SIREN
- High reliability of transmission signal
- Higher resistance to interference
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- Backward confirmation of receiver on the signal acceptance (if we press the button at the door and the red diode switches on, we have the certainty that inside the welcoming tone of the bell rang)
- Low battery indication in transmitter (the red diode flashes quickly-on the receiver)
- Large range on open area up to 300 m!
- Thanks the loudness and long range, it is suitable for factory buildings, but also for auditory handicapped people.

Receiver	Transmitter(BZ910)					

Technical specifications

Receiver		Transmitter (BZ910)	
Power supply	230 V / 50 Hz	Power supply	1 x 3 V CR2430
Usage	< 1,5 VA	Vf output	< 5 mW
Sensitivity	< - 102 dBm	Ingress protection rating	IP 65
Volume	< 85 dB	Battery lifetime	up to 5 years
Speaker	PIEZO	Working temperature	- 20 °C to 50 °C
Ingress protection rating	IP 20		
Coding	AS		

Joint	
Frequency	433,92 MHz
Type of transmission	FSK
Type of communication	two-way
Range in open areas	cca 300 m
Range in the building	cca 35 m

Accessories:



BZ914

Order Nr.: - 1914

PROFI

BZ914



Description:

- Wireless doorbell on solar energy. Achieve an appropriate placement for continuous operation without concern for the bell battery
- Structural design box is customized to the location on the inside window sill, so to be stuck directly on the glass or simple installation on the window frame.
- Choice of three types of GONG with a pleasant aftertaste
- High reliability of transmission signal
- Higher resistance to interference
- Simple and quick installation
- Backward confirmation of receiver on the signal acceptance (if we press the button at the door and the red diode switches on, we have the certainty that inside the welcoming tone of the bell rang)
- Low battery indication in transmitter (the red diode flashes quickly-on the receiver)
- Large range on open area up to 300 m!

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	3 x 1.2 V / 800mAh,AAA	Power supply	1 x 3 V CR2430
Usage	< 300 uA	Vf output	< 5 mW
Sensitivity	< - 102 dBm	Ingress protection rating	IP 65
Volume	< 85 dB	Battery lifetime	up to 5 years
Speaker	plastic 0,5 W	Working temperature	- 20 °C to 50 °C
Ingress protection rating	IP 20		
Coding	AS		

Joint	
Frequency	433,92 MHz
Type of transmission	FSK
Type of communication	two-way
Range in open areas	cca 300 m
Range in the building	cca 35 m

Accessories:



In the large buildings it is possible to add a signal repeater to extend signal range. Repeater be needed to put in from $\frac{1}{3}$ up to $\frac{1}{2}$ of the distance to the axis of the button - receiver.

BZ900



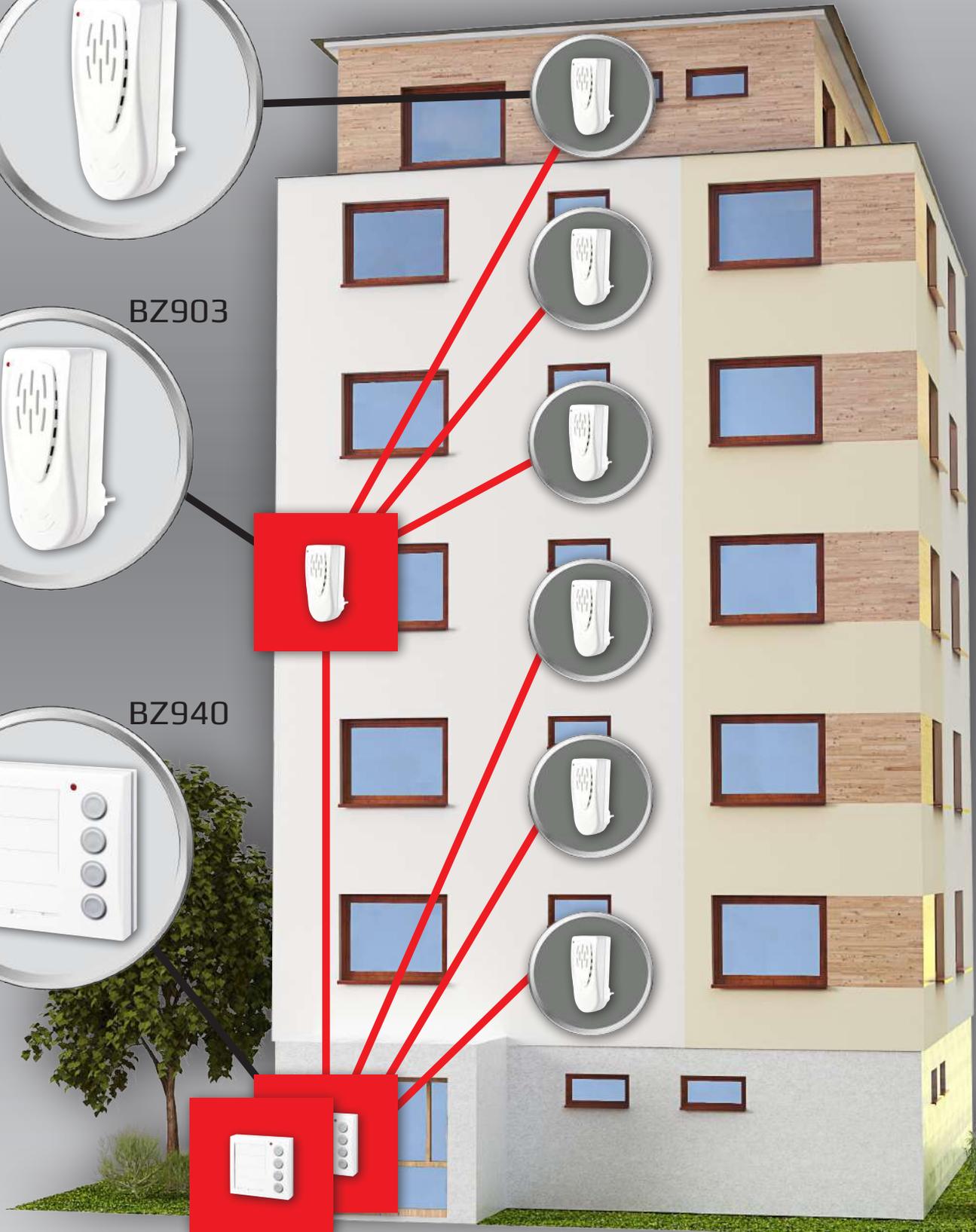
BZ901



BZ903



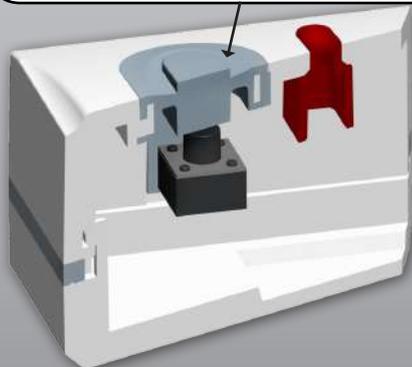
BZ940



Wireless transmitter as doorbell pushbutton for receivers of serie BZ900.

BZ910

Plastic parts are made by new, modern two-component moulding technology. This technology ensures absolute tightness of the fingerboard (button) and his gentle stroke. Used plastics are highly resistant to UV and frost.



BZ900

BZ901



Wireless spare receiver with autodidactic system and TWO-WAY communication.



BZ902



Wireless spare receiver with autodidactic system, TWO-WAY communication and high volume.



Signal repeater – insert to the axis between transmitter and receiver extended the signal range by 100%. Only for a range of products of BZ900

- Two-way communication
- The system of auto-learning of code
- Extends the signal range up to 100%
- One repeater can be used for more doorbells in one building
- Only for range of products of BZ900



Improper assembly arrangement of bell and signal repeater!

BZ9 - X - X

Type of doorbell

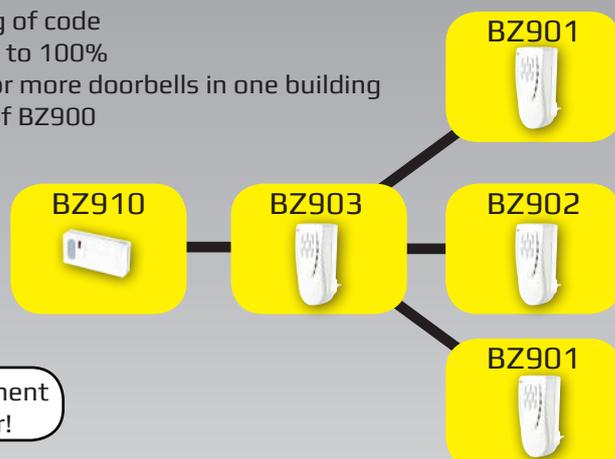
TYPE OF TRASMITTER

TYPE OF RECEIVER

0 - without transmitter
1 - one button transm.
2 - double pushbutton
4 - four-way pushbutton

0 - without receiver
1 - receiver Gong
2 - receiver Siren
3 - Repeater
4 - solar receiver

BZ903



BZ6



A set of a wireless battery-powered doorbell meant for middle ranges.

BZ6

Order Nr.- 0451



CLASSIC

BZ6

Description:

- Battery-powered wireless doorbell in a smart case, simple mounting
- When ringing, the bell makes a gong sound
- Digital coding
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 120 m
- Range in built-up areas up to 30 m
- Spare button (NT-BCD, WS113) can be purchased

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	2 x 1,5 V alkal. R6/AA	Power supply	1 x 12 V L1028 23 A
Usage	< 350 uA	Vf output	< 200 uW
Sensitivity	< - 90 dBm	Ingress protection rating	IP 65
Volume	< 60 dB	Battery lifetime	up to 2 years
Speaker	plastic 0,5 W	Working temperature	- 20 °C to 50 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 120 m
Range in the building	cca 25 m

Accessories:



BBZ5

A set of a wireless battery-powered doorbell meant for short ranges.

Order Nr.: - 0450



BBZ5



Description:

- Battery-powered wireless doorbell equipped with a clip to hang it, for example, on a belt.
- When ringing the bell makes a sound (GONG)
- Digital coding
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 100 m
- Accessories can be purchased: button (NT-BCD, WS113), range extender (WS230)

Receiver						Transmitter					

Technical specifications

Receiver		Transmitter	
Power supply	2 x 1,5 V alkal. R6 / AA	Power supply	1 x 12 V L1028 23 A
Usage	< 300 uA	Vf output	< 200 uW
Sensitivity	< - 86 dBm	Ingress protection rating	IP 40
Volume	< 60 dB	Battery lifetime	up to 2 years
Speaker	plastic 0,2 W	Working temperature	- 10 to 40 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 100 m
Range in the building	cca 20 m

Accessories:



A set of a wireless battery-powered doorbell meant for short ranges. The assembly is suitable when you need to indicate the entering guests from two places.

BBZ52

Order Nr.: - 0452

CLASSIC

BBZ52



Description:

- Battery-powered wireless doorbell equipped with a clip to hang it, for example, on a belt.
- When ringing the bell makes a sound (GONG)
- Digital coding
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 100 m
- Accessories can be purchased: button (NT-BCD, WS113), range extender (WS230)

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	2 x 1,5 V alkal. R6 / AA	Power supply	1 x 12 V L1028 23 A
Usage	< 300 uA	Vf output	< 200 uW
Sensitivity	< - 86 dBm	Ingress protection rating	IP 40
Volume	< 80 dB	Battery lifetime	up to 2 years
Speaker	plastic 0,2 W	Working temperature	- 10 to 50 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	cca 100 m
Range in the building	cca 20 m

Accessories:



BZ10



Colour, order number:



anthracite
1005



yellow
1012



purple
1011



brown
1006



red
1008



blue
1007



silver
1004



green
1009



granit
1010

A set of a wireless battery-powered doorbell meant for short and middle ranges.

BZ10

Order Nr.: - 1001

CLASSIC

BZ10



Connector for power supply unit
AD05-jack



Volume

Description:

- BZ10 is new wireless battery-powered doorbell with new design. Each set includes receiver (in different colours) and transmitter.
- When ringing, the bell makes a three-gong sound
- Adjustable Loudness
- Digital coding
- A radio transmitted signal on the 433,92 MHz frequency
- Simple and quick installation
- A range up to 80 m
- It is possible to buy a spare button (NT-BCD, WS113 - installed under the switch) and repeater (WS230)
- It is possible to connect power supply unit (AD05-Jack)

Receiver		Transmitter	
Technical specifications			
Receiver		Transmitter	
Power supply	2 x 1,5 V alkal. R6 / AA	Power supply	1 x 12V L1028 23 A
Usage	< 300 uA	Vf output	< 200 uW
Sensitivity	< - 86 dBm	Ingress protection rating	IP 40
Volume	< 60 dB	Battery lifetime	about 2 years
Speaker	plastic 0,5 W	Working temperature	- 10 to 50 °C
Ingress protection rating	IP 20		
Coding	digital		
Joint		Accessories:	
Frequency	433,92 MHz	WS230	NT-BCD
Type of transmission	ASK		AD05-Jack
Type of communication	simplex		
Range in open areas	cca 80 m		
Range in the building	cca 20 m		

BZ13



**Wireless doorbell for your house, flat or office.
Set BZ13 is designed for shorter or middle ranges.
Doorbell is from factory ready for immediate use.**

BZ13
Order Nr.: - 1013



CLASSIC

BZ13

Description :

- A radio transmitted signal on the 433,92 MHz frequency
- Coded digital transmission, ASK modulation
- three-gong sound
- Optical signaling of ringing on the receiver
- Holder - **in the package included**
- Optical signaling on the transmitter - red LED.
- Frame for you name
- Reach in free area is about 100 m.
- Reach in building is about 20 m.

Receiver	Transmitter

Technical specifications

Receiver		Transmitter	
Power supply	2 x 1,5 V AA	Power supply	1 x 12 V L1028 23 A
Usage	< 0,00035 A	Vf output	< 200 uW
Sensitivity	< - 90 dBm	Ingress protection rating	IP 42
Volume	< 60 dBm	Battery lifetime	about 2 years
Speaker	plastic 0,5 W	Working temperature	- 10 °C to 40 °C
Ingress protection rating	IP 20		
Coding	digital		

Joint	
Frequency	433,92 MHz
Type of transmission	ASK
Type of communication	simplex
Range in open areas	up to 100 m
Range in the building	up to 20 m

Accessories:

WS230 NT-BCD

ZV2

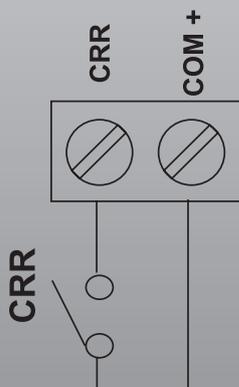




ZV2-Econom

Order Nr.: - 0005

ZV2



Description:

- Electronic wired doorbell
- Battery power supplied

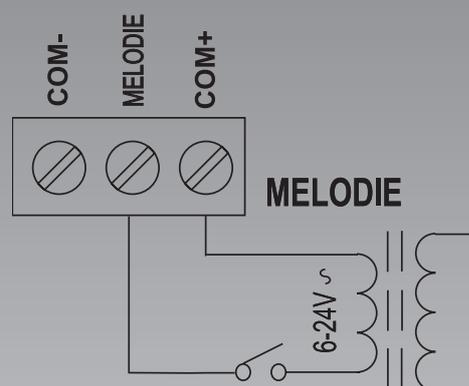
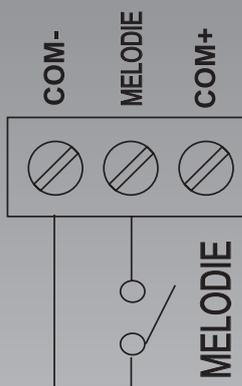
Technical specifications	
Power supply	2 x 1,5 V alkal. R6 / AA
Volume	max. 85 dB
Working temperature	0 °C to 50 °C
Max.cross-section instal.wires	1,5 mm ²
Sound	CRR

Doorbell



ZV2-Melody

Order Nr.: - 0006



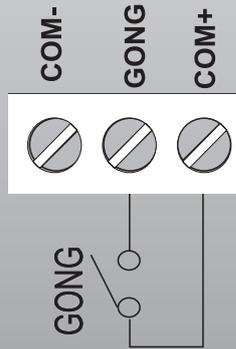
Description:

- Electronic wired doorbell
- Melodic doorbell, different melody upon each pushing.
- After the button is pressed, the bell will play one of 12 tunes. It is also possible to regulated the sound intensity

Technical specifications	
Power supply	2 x 1,5 V alkal. R6 / AA
Volume	max. 85 dB
Working temperature	0 °C to 50 °C
Max.cross-section instal.wires	1,5 mm ²
Sound	12 melodies

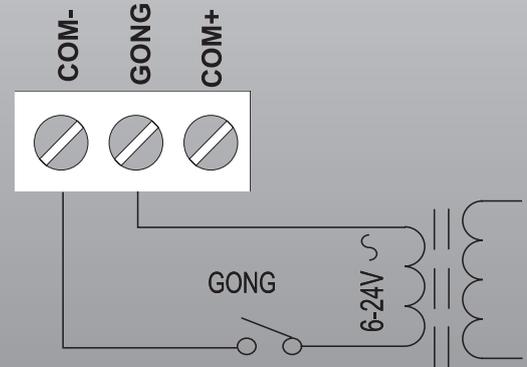
Doorbell

ZV2



ZV2-1-Gong

Order Nr.: - 0007



Description:

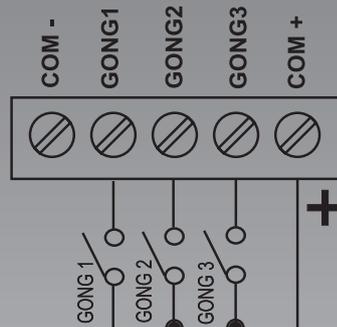
- Electronic wired doorbell with pleasant sound
- It is also possible to regulated the sound intensity

Doorbell



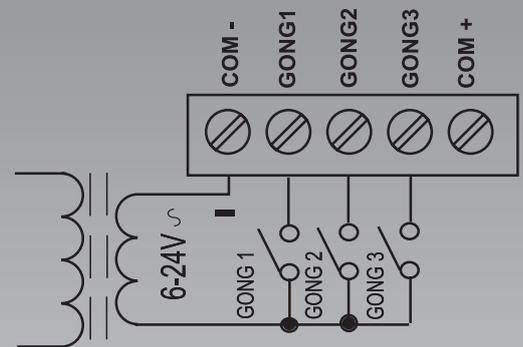
Technical specifications

Power supply	2 x 1,5 V alkal. R6 / AA
Volume	max. 85 dB
Working temperature	0 °C to +50 °C
Max.cross-section instal.wires	1,5 mm ²
Sound	1 Gong



ZV2-3-Gong

Order Nr.: - 0008



Description:

- Possible application of 3 buttons with different numbers of sounds and a pleasant reverberation
- You will always recognise where the visitors are coming from
- It is also possible to regulated the sound intensity

Doorbell



Technical specifications

Power supply	2 x 1,5 V alkal. R6 / AA
Volume	max. 85 dB
Working temperature	0 °C to 50 °C
Max.cross-section instal.wires	1,5 mm ²
Sound	3 Gong

General overview of doorbells

Receiver		DZ1	BZ3-1P/S	BZ7	BZ8	BZ911	BZ914	BZ11	BZ12 Melody	BBZ5	BZ6	BZ10	BZ13
Power supply		230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	3 V (2 * 1,5 V)	3 V (2 * 1,5 V)	3 V (2 * 1,5 V)	3 V (2 * 1,5 V)
Usage		< 2 VA	< 2 VA	< 1,5 VA	< 2 VA	< 1,5 VA	< 1,5 VA	< 1 VA	< 1 VA	< 300 uA	< 350 uA	< 300 uA	< 1 VA
Sensitivity Vf		< - 90 dbm	< - 90 dbm	< - 86 dbm	< - 90 dbm	< - 102 dbm	< - 102 dbm	< - 80 dbm	< - 80 dbm	< - 86 dbm	< - 90 dbm	< - 90 dbm	< - 80 dbm
Volume		< 85 db	< 78 db	< 80 db	< 78 db	< 85 db	< 85 db	< 85 db	< 85 db	< 80 db	< 90 db	< 80 db	< 85 db
Speaker		metal 0,5 W	plastic 0,2 W	plastic 0,5 W	plastic 0,2 W	metal 0,5 W	plastic 0,5 W	plastic 0,5 W	plastic 0,5 W	plastic 0,2 W	plastic 0,5 W	plastic 0,5 W	plastic 0,5 W
Sound		3-voice gong	3-voice gong	3-voice gong	3-voice gong	5 melodies	5 melodies	3-voice gong	16 melodies	3-voice gong	3-voice gong	3-voice gong	3-voice gong
Adjustable loudness		NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	YES	NO
Joint													
Frequency		433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz	433,92 MHz
Type of communic.		simplex	simplex	simplex	simplex	two-way	two-way	simplex	simplex	simplex	simplex	simplex	simplex
Range in open areas		up to 200 m	up to 120 m	up to 100 m	up to 100 m	up to 300 m	up to 300 m	up to 150 m	up to 200 m	up to 100 m	up to 120 m	up to 80 m	up to 100 m
Range in building		up to 30 m	up to 25 m	up to 20 m	up to 20 m	up to 35 m	up to 35 m	up to 25 m	up to 30 m	up to 20 m	up to 25 m	up to 20 m	up to 20 m
Coding		digital	AS	digital	AS	AS	AS	digital	digital	digital	digital	digital	digital
Transmitter													
Power supply		12 V L1028 23 A	3 V CR2430	3 V CR2430	12 V L1028 23 A	12 V L1028 23 A							
Vf power		< 200 uW	< 200 uW	< 200 uW	< 200 uW	< 5 mW	< 5 mW	< 200 uW	< 200 uW				
Protection rating		IP 65	IP 42	IP 42	IP 42	IP 65	IP 65	IP 42	IP 42				
Battery/lifetime		up to 2 years	up to 5 years	up to 5 years	up to 2 years								
Working temperature		-20 °C to 40 °C	-20 °C to 40 °C	-20 °C to 40 °C	-20 °C to 40 °C	-20 °C to 40 °C	0 °C to 40 °C	-20 °C to 40 °C	-20 °C to 40 °C	-20 °C to 40 °C			

WS113

WS113

Installation under switch to conduct box



WS113 can be used as spare button to wireless doorbells, but to another our wireless products. With one transmitter you can control more wireless devices.

WS113

Order Nr.: - 1113

WS113



Description:

- hiding under the switch protects against theft
- preservation design series of your switches

Usage of WS113:

With wireless doorbells (DZ1, BZ3, BBZ5, BZ7 except serie BZ9xx)

- announcement of a visit
- calls for help
- protect theft of the button
- it is possible to keep the design range of switches

With wireless socket (WS101, WS201)

- switching of pump
- switching of heating
- reheat of water
- controlling of outdoor lighting

With solar unit (SRJ20, SRJ22, SRJ30)

- controlling of filtration

WS113 can be used with following doorbells:



Technical specifications

Power supply	12 V L1028, 23 A
Vf output	< 5 mW
Frequency	433,92 MHz
Ingress protection rating	IP20
Battery lifetime	2 years
Working temperature	0 °C to 50 °C

BZ901 (GONG)

Order Nr.: - 1901

Description:

- Wireless spare receiver with autodidactic system and TWO-WAY communication.



Receiver	
Power supply	230 V / 50 Hz
Usage	1,5 AV
Sensitivity	< - 102 dBm
Volume	< 85 dB
Working temperature	0 °C to 50 °C

BZ902 (SIREN)

Order Nr.: - 1902

Description:

- Wireless spare receiver with autodidactic system and TWO-WAY communication.



Receiver	
Power supply	230 V / 50 Hz
Usage	1,5 AV
Sensitivity	< - 102 dBm
Volume	< 90 dB
Working temperature	0 °C to 50 °C

BZ903

Order Nr.: - 1903

Description:

- Signal repeater – its insertion between the receiver and transmitter will extend the range by 100%! Only for serie BZ9!



Repeater	
Power supply	230 V / 50 Hz
Usage	1,5 AV
Sensitivity	< - 102 dBm
Vf power	< 10 mW
Working temperature	0 °C to 50 °C

BZ910

Order Nr.: - 1910

Description:

- Wireless transmitter as doorbell button for receivers serie BZ9.



Transmitter	
Power supply	1 x 3 V CR2430
Frequency	433,92 MHz
Vf power	< 10 mW
Protection rating	IP 65
Battery lifetime	up to 5 years
Working temperature	-20 °C to 50 °C

BZ920

Order Nr.: - 1920

- BZ920 (transmitter) is intended only for bells (receivers) series BZ9! The big advantage is the ability to control two bells (receivers), which can be located at any other place.



Transmitter	
Power supply	3 V CR2430
Vf power	< 10 mW
Frequency	433,92 MHz
Protection rating	IP 65
Working temperature	- 20 to 50 °C

BZ940

Order Nr.: - 1940

- BZ940 (transmitter) is intended only for bells (receivers) series BZ9! The big advantage is the ability to control four bells (receivers), which can be located at any other place.



Transmitter	
Power supply	3 V CR2430
Vf power	< 10 mW
Frequency	433,92 MHz
Protection rating	IP 65
Working temperature	- 20 to 50 °C

AD05-JACK

Order Nr.: - 1998



Description:

- Power supply unit for GSM modules, central units and wireless doorbells

Input	230 V / 50 Hz
Jack	3,5 mm
Output	5 V / 2,5 A DC

BZ8-NP (GONG)

Order Nr.: - 0280



Description:

- Wireless spare receiver with autodidactic system

Receiver	
Power supply	230 V / 50 Hz
Usage	2 VA
Sensitivity	< - 86 dBm
Volume	< 85 dB
Working temperature	0 °C to 50 °C

KBT

Order Nr.: - 0200



Description:

- protective cover for wireless buttons
- suitable for all our transmitters

NT-BCD

Order Nr.: - 0201



Description:

- Wireless transmitter as doorbell button.

Transmitter	
Power supply	1 x 12 V L1028 23 A
Frequency	433,92 MHz
Vf power	< 200 µW
Protection rating	IP 65
Battery lifetime	up to 1,5 years
Working temperature	-20 °C to 50 °C

WS111

Order Nr.: - 0110



Description:

- Wireless four-channel key case.
- It can be used for up to 4 receivers.

Transmitter	
Power supply	1 x 6 V alkal. baterie 11 A
Frequency	433,92 MHz
Vf power	< 200 µW
Protection rating	IP 44
Battery lifetime	up to 2 years
Working temperature	0 °C až 50 °C

WS113

Order Nr.: - 1113



Description:

- Wireless transmitter with assembly under the switch to conduit box.

Transmitter	
Power supply	1 x 12 V L1028 23 A
Frequency	433,92 MHz
Vf power	< 5 mW
Protection rating	IP 20 and higher
Battery lifetime	up to 2 years
Working temperature	0 °C to 50 °C

WS230

Order Nr.: - 1230



Description:

- Signal repeater – this device can increase the reach of your existing wireless systems by up to 100%.

Repeater	
Power supply	230 V / 50 Hz
Usage	1,5 VA
Sensitivity	< - 90 dBm
Vf power	< 5 mW
Working temperature	0 °C to 50 °C





Sound CRR



1-voice GONG



3-voice GONG



12 melodies



Autodidactic system



Amplitude modulation type



Frequency modulation type



Battery 1,5 V (AA) LR6



Battery 1,5 V (AAA) R03



Battery 12 V type L1028



Battery 3 V type CR2430



Timing



Range in building 30 m



Range in free area 100 m



Frequency



Two-way communication



Protection rating IP 24



Through socket



Switch socket



Power supply 230 V AC



Adjustable loudness



Serie Classic



Serie Profi



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