

# SYSTEM WS300

Wireless control for your home



Product catalog



## What is the WS300 system?



The WS300 product line (from the English Wireless System) includes transmitters and receivers for wireless remote control of appliances in the apartment, house or office. The system is especially suitable for programming repetitive daily activities and products can be freely combined. You can remotely control the entire household.



The transmitters and receivers of the WS300 series are compatible with each other and operate on frequency 433.92 MHz and have higher signal transmission security when learning codes. Pairing elements is very simple and instructions are included with each product. The transmitters are powered by lithium or alkaline batteries, they can be placed virtually anywhere regardless of access to the mains (but avoid installation on metal substrates and near power conductors).



The main advantages of the WS300 series are: quick and easy installation without the need to cut into walls, easy operation and long reach. In the open space it can be hundreds of meters, in enclosed spaces the range decreases, depending on the material from which the walls are built. The most permeable is plasterboard, the least reinforced concrete.

## How to properly combine transmitter and receiver?
















1. Elements can be freely combined and the combination depends on the needs of the user.
2. The transmitter can be used in several ways - manually by pressing a button (types WS310, WS330, WS340), opening the door and opening the magnetic contact (type WS320) or as a humidity sensor (type WS350) or motion (types WS380 and WS390).
3. Basic receivers differ according to the method of installation (receiver in the installation box, wall-mounted, in the socket). Specific are receivers for electric drives controlled in two directions (type WS305 - eg for opening / closing doors, blinds) or sound receivers (types WS306 - gong sound or WS307 - siren sound).

## Why a wireless system?

If you decide to use a wireless system in your home, there is no need for building modifications and interventions in the electrical installation. The wireless system is therefore suitable for renovations or as a supplement to the already finished electrical installation in the house. You can switch virtually any appliance connected to a paired receiver with the wireless controller.

The wireless system is very fast and easy to install, it is simple to use and consumes a minimum of energy for its operation. If you find that the settings do not suit you completely, you can change it at any time during use.

## From the content:

order no.	TYPE	Name	Price without VAT*	PHOTO
3310	<b>WS310</b>	Transmitter - keychain	<b>415 Kč</b>	
3320	<b>WS320</b>	Transmitter - magnetic door contact	<b>415 Kč</b>	
3330	<b>WS330</b>	Wall transmitter, four-channel	<b>415 Kč</b>	
3340	<b>WS340</b>	Single channel transmitter	<b>415 Kč</b>	
3350	<b>WS350</b>	Transmitter - wireless humidity sensor	<b>838 Kč</b>	
3380	<b>WS380</b>	Motion sensor - wall	<b>725 Kč</b>	
3390	<b>WS390</b>	Motion sensor - ceiling	<b>725 Kč</b>	
3301	<b>WS301</b>	Receiver in the installation box	<b>725 Kč</b>	
3302	<b>WS302</b>	Wall receiver	<b>725 Kč</b>	
3303	<b>WS303</b>	Receiver into the socket	<b>725 Kč</b>	
3304	<b>WS304-10</b>	10-channel DIN rail receiver	<b>2 800 Kč</b>	
3305	<b>WS305</b>	Receiver for blinds control	<b>725 Kč</b>	
3306	<b>WS306</b>	Gong bell receiver	<b>725 Kč</b>	
3307	<b>WS307</b>	Alarm receiver - siren	<b>725 Kč</b>	
3313	<b>WS313</b>	Keychain + socket <b>Discounted set!</b>	<b>900 Kč</b>	

\* Recommended retail price without VAT.



# WS310

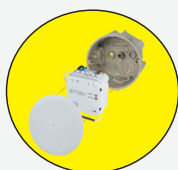
## Wireless keychain

**i** Four-channel wireless transmitter - a keychain that sends up to four different commands for an unlimited number of receivers. The key fob can not only switch the appliance on and off, but also start timing. In that case, we don't have to think about turning off the appliance.

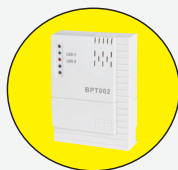


It has a hole for practical attachment to keys, it is so always at hand.

The wireless keychain is compatible with the following features:



WS301, WS305



WS302



WS303



WS304-10



WS306, WS307

**tip**

The WS310 wireless key fob is a suitable transmitter for receivers with a limit switch (type WS305), eg for controlling blinds, awnings, garage doors, lowering the projection screen, etc.

**tip**

Turns on the lighting, starts the pump, opens the electromagnetic lock (eg in combination with the WS301 receiver) or calls for help (eg WS306, WS307 receivers), etc.

**tip**

It is also sold in a convenient set with a socket receiver as a remote-controlled socket. **Set WS313 - order number 3313**



### Technical parameters

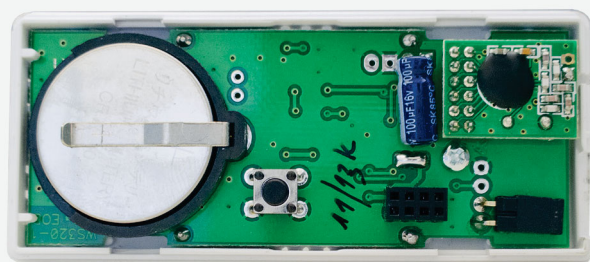
Order number	3310
Power supply	2 × 1,5 V, type GP394 (part of the package)
HF power	< 10 mW
Frequency	433,92 MHz
Degree of protection	IP 44
Battery life	about 2 years
Operating temperature	0 °C to 50 °C
Dimensions	60 mm × 35 mm × 11 mm

# WS320

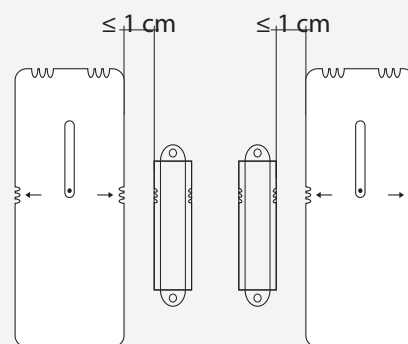
## Wireless transmitter with magnetic contact

### **i** Transmitter designed for mounting on doors and windows.

It is not necessary to press any button to send a signal, the signal is sent automatically when the magnet is zoomed in or out.



The distance between the magnetic contact and the transmitter must be max. 1 cm!



Horizontal placement on the door:



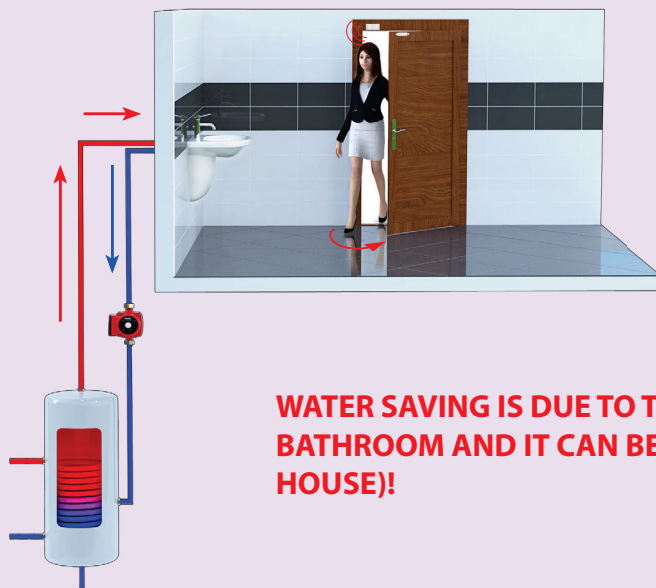
Vertical placement on the door:



When the state of the contacts changes (closing or opening the door, window), a signal is sent to the receiver, which closes the connected device or emits an audible signal. You can choose between two transmission frequencies. Fast (approx. 3 seconds) - in case of monitoring whether someone entered the door or with a delay (5 minutes), in case of control of eg DHW circulation pump.

### Technical parameters

Order number	3320
Power supply	1 × 3 V, type CR2430 (included)
RF power	<10 mW
Frequency	433.92 MHz
Degree of protection	IP 20
Battery life	up to 3 years
Operating temperature	-20 °C to 50 °C
Dimensions	81 mm × 36 mm × 18 mm

**tip****Examples of using the WS320 transmitter:****STARTING THE DHW PUMP**

When the bathroom door is opened, the transmitter sends a signal to the receiver, which switches on the domestic hot water circulation pump. The pump starts pumping hot water into the pipes before you turn the tap, so there is no need to waste water by draining.

**WATER SAVING IS DUE TO THE DISTANCE OF THE BOILER FROM THE BATHROOM AND IT CAN BE UP TO 10 LITERS PER COLLECTION (AT A FAMILY HOUSE)!**

**AUDIBLE INDICATION OF DOOR / WINDOW OPENING****PERSONAL MOVEMENT INDICATOR**

A solution suitable, for example, for a store. Transmitter with a magnet as a signal of movement of persons. If someone steps out of the door, the transmitter sends a signal to the receiver - a bell, which emits an audible signal.

Receiver - bell with gong sound - WS306

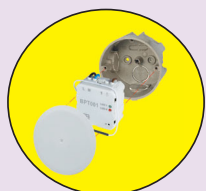
**SIREN**

We place the transmitter with the magnetic contact on a door or window and after opening the magnetic contact the transmitter sends a signal to the receiver - siren. It announces an unwanted opening with a loud sound signal.

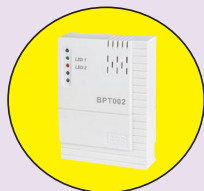
Siren receiver - WS307



The transmitter with magnetic contact is compatible with receivers:



WS301, WS305



WS302



WS303



WS304-10



WS306, WS307

# WS330

## Wall transmitter - Venus



The WS330 is a four-channel transmitter that can control up to four different appliances. Each channel can have a different function and control several receivers at once (eg blinds on all windows in the room at once). It is designed to be mounted on a wall or other flat surface (by gluing or screwing).



The wall transmitter has one switch built into each corner of the fingerboard - a total of four channels. When pressed, a coded signal is sent to the paired receiver, which performs the learned function. Each channel can have a different function and can control several receivers at once or control different functions of the receiver (turn on / off the lighting, control blinds, electric locks, etc.).

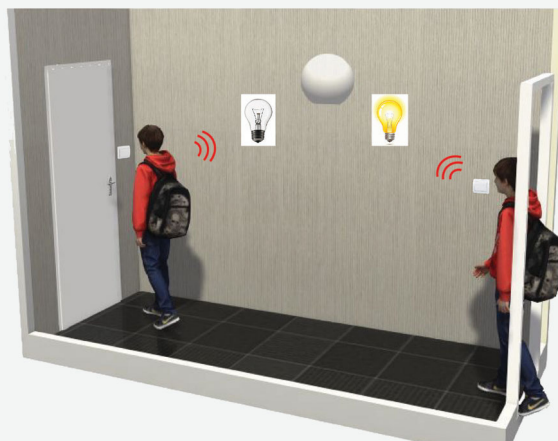
Technical parameters	
Order number	3330
Power supply	1 × 3 V, type CR2430 (included)
RF power	<10 mW
Frequency	433.92 MHz
Degree of protection	IP 20
Battery life	up to 3 years
Operating temperature	0 °C to 50 °C
Dimensions	81 mm × 81 mm × 15 mm

## tip Practical uses of the WS330 product:

### Corridor lighting control

We can use one or more transmitters of the WS300 series (up to 16 for one receiver) to control the lighting. The assembly can work in the following modes:

- **regime A:** The transmitters are taught to the receiver in BKO (Bistable Flip-Flop) mode, which means that pressing any button means a change of state on / off. This function can be compared to controlling lighting from multiple places using buttons No. 6 and No. 7.
- **regime B:** Flop - Timer) mode. After pressing a button, the lighting is switched on and after a set time it is switched off automatically. The adjustable timing time is from one second to 8 hours. The application can only be used for receivers equipped with timing functions, ie WS301, WS302, WS303, WS304.
- **regime C:** The transmitter is taught in both timing mode and BKO mode. In practice, this means that one channel on the transmitter can start timing and another channel learned in the BKO mode can end the timing prematurely. This function can be used, for example, when controlling the lighting of the staircase, when we turn on the lighting for a certain time, but if we leave the room earlier, we can interrupt the lighting at any time. On the contrary, if we know that we will move in space for a long time, we can turn on the light permanently and without timing.



### In combination with WS 305:

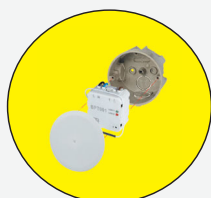
- opening window blinds
- opening the garage door
- opening the outdoor gate
- launching the screen



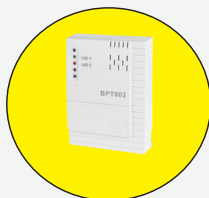
### In combination with the ten-channel receiver WS304-10

- controls household appliances
- from one central location
- controls the elements in the garden from one place - lighting, pool filtration, lawn humidification

The WS330 wireless button is compatible with receivers:



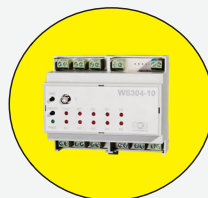
WS301, WS305



WS302



WS303



WS304-10



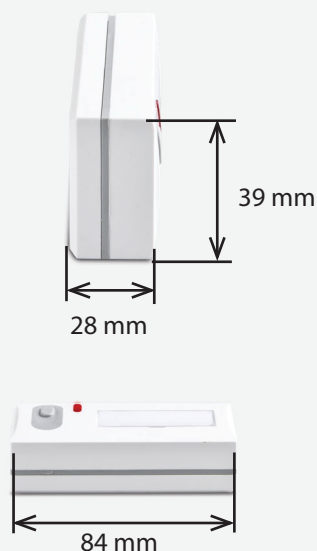
WS306, WS307

# WS340

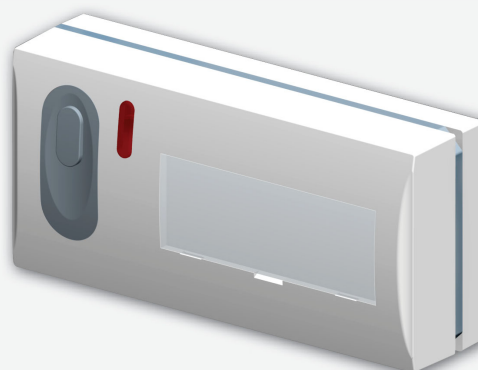
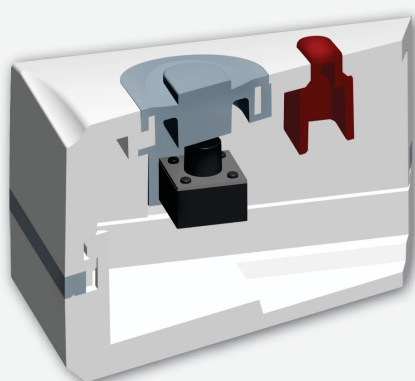
## Transmitter - bell button



Universal transmitter with one button. The WS340 transmitter can be used to manually turn on / off almost any appliance. Thanks to the waterproof construction, it can be installed in places where it will be exposed to adverse weather conditions (rain, moisture).



The molding is made with a new modern technology of two-component pressing. This technology guarantees absolute tightness of the fingerboard (buttons) and its gentle stroke. The plastics used are highly resistant to UV radiation and frost.



### Technical parameters

Order number	3340
Power supply	1 × 3 V, type CR2430 (included)
HF power	<10 mW
Frequency	433.92 MHz
Degree of protection	IP 65
Battery life	up to 3 years
Operating temperature	-20 °C to 50 °C
Dimensions	84 mm × 39 mm × 28 mm

tip

**Some possible uses for the WS340:****SWITCHING THE APPLIANCE ON / OFF**

With the universal WS340 button, you can control any device that you switch on / off only when you need or want it. One click is enough.

Do you have a lamp or other appliance in a hard-to-reach place that is not easy to get to? Connect the device to the receiver of the WS300 wireless system and control it remotely by simply pressing the WS340 button.

**BELL**

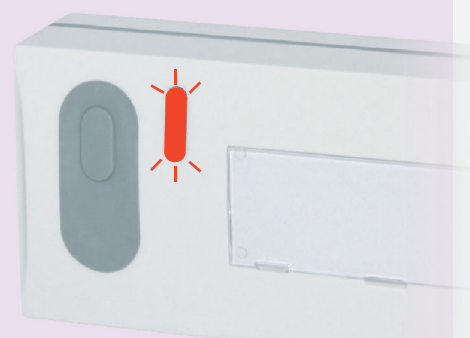
The button serves as a wireless doorbell transmitter. The added transparent frame is possible to enter a name tag.

**CALL FOR HELP**

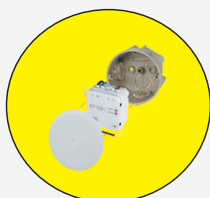
The button serves as a help caller. A single press activates the signal to the sound receiver with the sound of a siren.

**Communication confirmation**

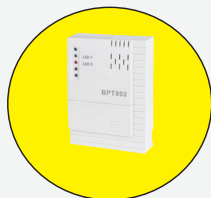
The WS340 sends a signal when the button is pressed. The red LED flashes as soon as the transmitter is received feedback signal from the receiver.



The wireless transmitter with a button is compatible with the receivers:



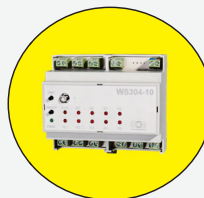
WS301, WS305



WS302



WS303



WS304-10



WS306, WS307

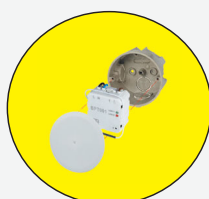
# WS350

## Wireless humidity sensor

**i** The wireless digital humidity sensor is suitable for places where it is necessary to maintain constant humidity (eg warehouses, archives, chambers). It senses the relative humidity around its location. When the set value is reached, the sensor sends a signal to close the receiver from the WS300 series, to which the appliance for extracting moisture from the room is connected. (eg fan, air conditioning). The sensor is programmable - it offers the possibility of setting the hysteresis, selecting a weekly program with four changes per day (optional 2 different relative humidity values).



The wireless humidity sensor is compatible with receivers:



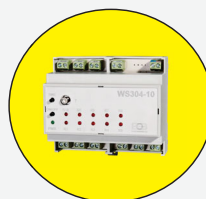
WS301, WS305



WS302



WS303



WS304-10

### Technical parameters

Order number	3350
Power supply	2 × 1.5 V, alk. AA battery
HF power	<10 mW
Frequency	433.92 MHz
RH setting range	1 to 95%
RH settings	1% each
Min. indication jump	0.1%
Degree of protection	IP20
Measurement accuracy	± 2%
Battery life	about 1 year
Operating temperature	0 °C to 40 °C
Dimensions	113 mm × 75 mm × 23 mm

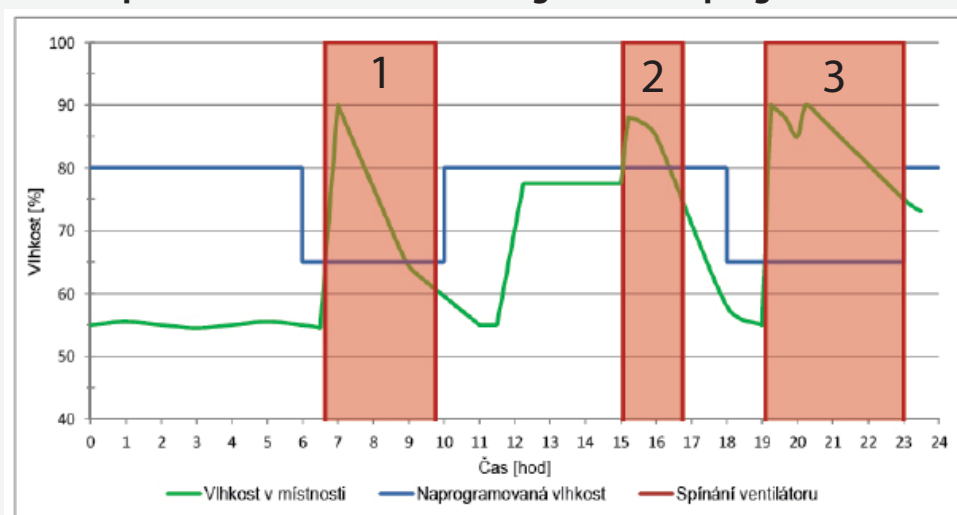
tip

**Use of the WS350 product:**

As soon as the relative humidity in the bathroom rises to the set value, the humidity sensor sends a signal to the receiver to which the extraction is connected. This prevents condensation of water vapor, which results in, for example, fogging of the mirror or the formation of mold.



i

**Graph of the dependence of the fan switching on the set program and the current humidity:**

1. morning wash; 2. use of the bathroom during the day; 3rd evening wash

# WS380

## Wireless motion sensor - wall



The wireless **wall-mounted motion sensor** includes an infra-passive sensor that records the movement of a person in your chosen area (detection field at an angle of 180 °). When a person enters this area, it automatically sends a signal to a paired receiver that switches on a light or other connected device. When the movement stops, the appliance switches off the light again or switches off the appliance after a set time.

With the WS380, it is possible to set the switching time after **motion detection (switch-off delay)**, light sensitivity and maximum detection distance.



### Technical parameters

Order number	3380
Power supply	2 × 1.5 V, alk. AA battery
Type of communication	bidirectional
Frequency	433.92 MHz
Range	25 to 35 m (built-in)
Detection angle	180 °
Detection range	2 to 12 meters
Switching time	5 seconds to 10 minutes
Sensitivity to light	l < 3 Lux to 1000 Lux
Battery life	up to 2 years
Degree of protection	IP20
Operating temperature	0 °C to 40 °C
Dimensions	81 mm × 81 mm × 43,5 mm

**tip****Some possible uses for a wall-mounted wireless motion sensor:**

**SWITCHES ON THE LIGHTING**- upon entering the room, the sensor detects the person's movement and sends a signal to the receiver connected to the light. It is possible to set a time interval or a time delay for switching off. Suitable for use in dark rooms without windows, eg corridors, chambers, cellars.

**SWITCHES ON ANY APPLIANCE** - ideal eg for switching the radio, after entry the sensor detects movement in the room and sends a signal to the receiver, which switches on the connected appliance.

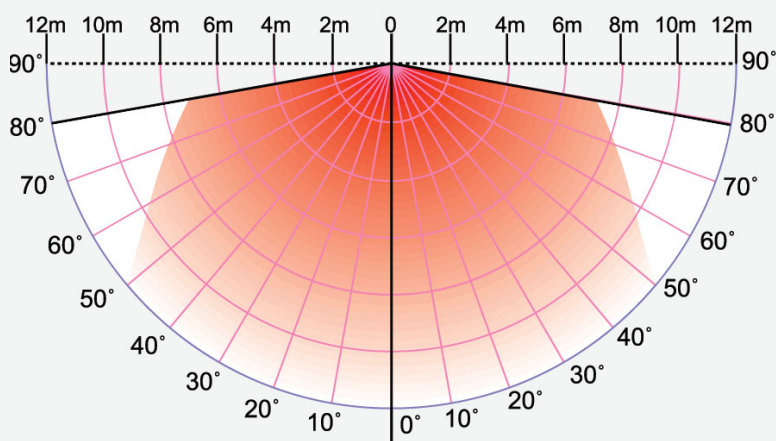


**SWITCHES ON VENTILATION**- upon entering the room, the sensor detects movement and sends a signal to the receiver to which the fan or air conditioner is connected.

**MOTION DETECTOR** - after entering the room, the sensor detects movement and sends a signal to the receiver - a bell or a siren to announce the (unwanted) presence of people.



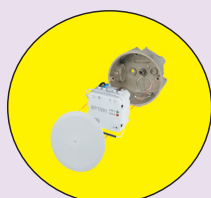
### Detection field:



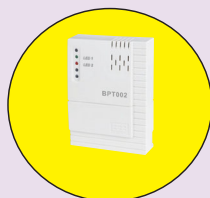
The recommended installation is 1 to 1.5 meters above the floor where the operation of the sensor will not be affected by direct airflow, sunlight and other disturbing influences (inclusion of the curtain, removal of blinds, stopping by furniture, etc.).

**The range of the infra-passive sensor also depends on the speed of movement and the ambient temperature, install the sensor min. 1.5 meters from heat sources (lamps, radiators).**

The wireless motion sensor is compatible with receivers:



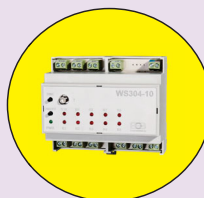
WS301, WS305



WS302



WS303



WS304-10



WS306, WS307

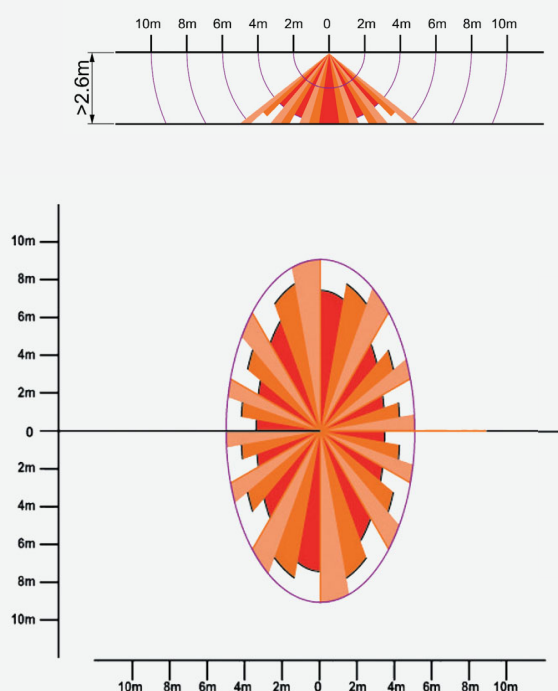
# WS390

## Wireless motion sensor - ceiling



A part of the **wireless ceiling motion sensor** is an infra-passive sensor that records the movement of a person in the space of your choice (detection field at an angle of 360 °). If a person enters this space, it automatically sends a signal to the paired receiver, which **switches the connected device**. As soon as the movement stops, the appliance switches off or switches off again after the set time. With the WS390, it is possible to set the switching time after the end of motion detection (switch-off delay), the sensitivity to light and the maximum detection distance.

### Detection field:



### Technical parameters

Order number	3390
Power supply	2 × 1.5 V, alk. AA battery
Type of communication	bidirectional
Frequency	433.92 MHz
Range	25 to 35 m (built-in)
Detection angle	360 °
Detection range	2 to 4 meters
Switching time	5 seconds to 10 minutes
Sensitivity to light	l < 3 Lux to 1000 Lux
Detection range	2 to 4 meters
Battery life	up to 2 years
Degree of protection	IP20
Operating temperature	0 °C to 40 °C
Dimensions	81 mm × 81 mm × 37 mm

The WS390 sensor is equipped with several functions, thanks to which you can adapt it to your own needs:

**SENS - motion detection** Use the SENS trimmer to set the maximum required sensitivity. Values between 2 and 4 meters.

**TIME - setting of switching time** Use the TIME trimmer to set the required lighting switching time, ie. for as long as it will be the lights are on from the moment the motion detection is completed. **Range 5 seconds to 10 minutes.**

**LUX - light sensitivity setting** use the LUX rim to set the desired level from which the light should shine in relation to the ambient lighting. **It switches on in the dark, it also switches on during the day.**

**tip**

**Tips for using a wireless motion sensor with ceiling mounting:**



**HEATING** - after entering the room, the sensor detects the movement and sends a signal to the receiver to which the electric heat source (infrared panel, direct heater, storage stove) is connected. The heating is switched off at a certain interval after leaving the room.

**LIGHTING** - upon entering the room, the sensor detects the person's movement and sends a signal to the receiver connected to the light. It is possible to set a time interval or a switching time delay. Suitable for use in dark rooms without windows, eg corridors, chambers, cloakrooms, cellars.

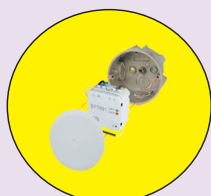


**MOTION DETECTOR** - after entering the room, the sensor detects movement and sends a signal to the receiver - a bell or a siren to announce the (unwanted) presence of people.

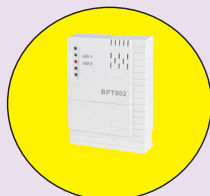
**SWITCHING ON ANY APPLIANCE** -ideal eg for radio switching; after entering the room, the sensor detects movement and sends a signal to the receiver, in the socket of which is the plug of the appliance.

**VENTILATION** - upon entering the room, the sensor detects movement and sends a signal to the receiver to which the fan or air conditioner is connected.

The wireless motion sensor is compatible with receivers:



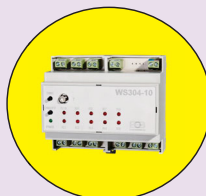
WS301, WS305



WS302



WS303



WS304-10



WS306, WS307



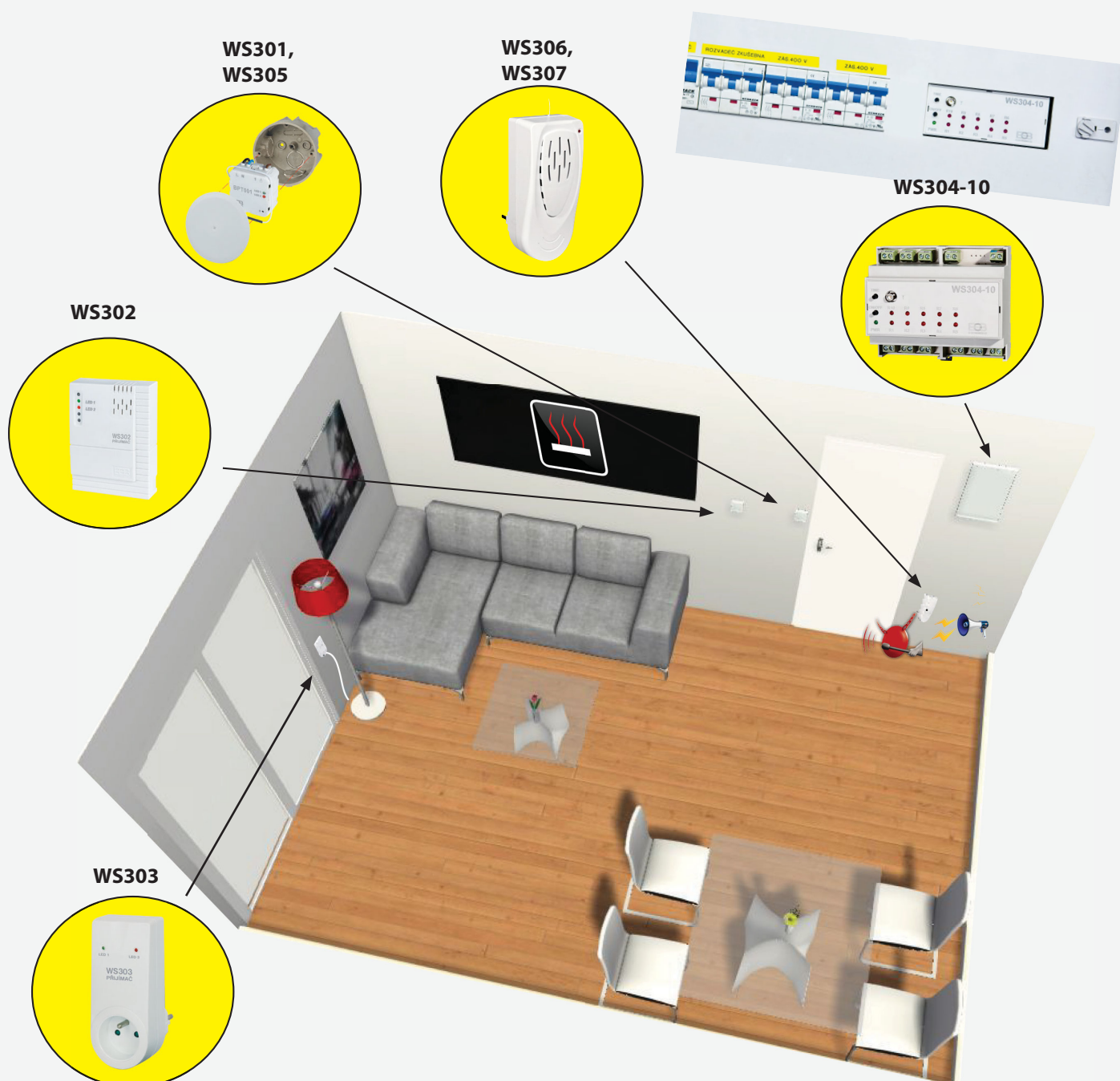
The recommended installation is 2 to 4 meters above the floor where the operation of the sensor will not be affected by direct airflow, sunlight and other disturbing influences (inclusion of the curtain, removal of blinds, stopping by furniture, etc.). **The range of the infra-passive sensor also depends on the speed of movement and the ambient temperature, install the sensor min. 1.5 meters from heat sources (lamps, radiators).**

## WS300 wireless system receivers

You have many options for using the WS300 Series Wireless Transmitter and Receiver System. Controlling not only lights and heating, but also fans, blinds, garage doors and other things with the WS300 system is not a problem. Thanks to intelligent programming, you no longer have to worry about dozens of everyday activities that can work completely automatically.

The elements are suitable for existing buildings or renovated premises, but also for new houses. Comfort is provided not only by the handling itself, but also by the installation of appliances, as no demolition or masonry work is required.

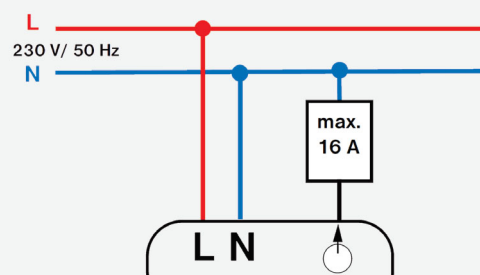
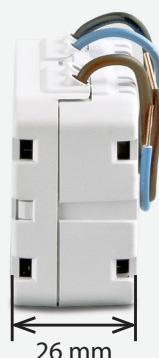
While you can choose the transmitter mainly according to the most comfortable way of using it, the choice of the receiver depends mainly on the way of its installation. The receiver can be hidden in the installation box under the plaster or hidden in the switchboard on a DIN rail or admitted on the wall or in a socket.



# WS301

## Receiver in the installation box

**i** Basic universal receiver, due to its small dimensions designed for mounting in an installation box. After receiving a signal from the wireless transmitter, it switches on / off or controls the connected appliance in time. It is used, for example, for switching on radiators, pumps, lighting, air conditioning.



### tip

The WS301 receiver communicates wirelessly with the following transmitters:



WS310

WS320

WS330

WS340

WS350

WS380

WS390

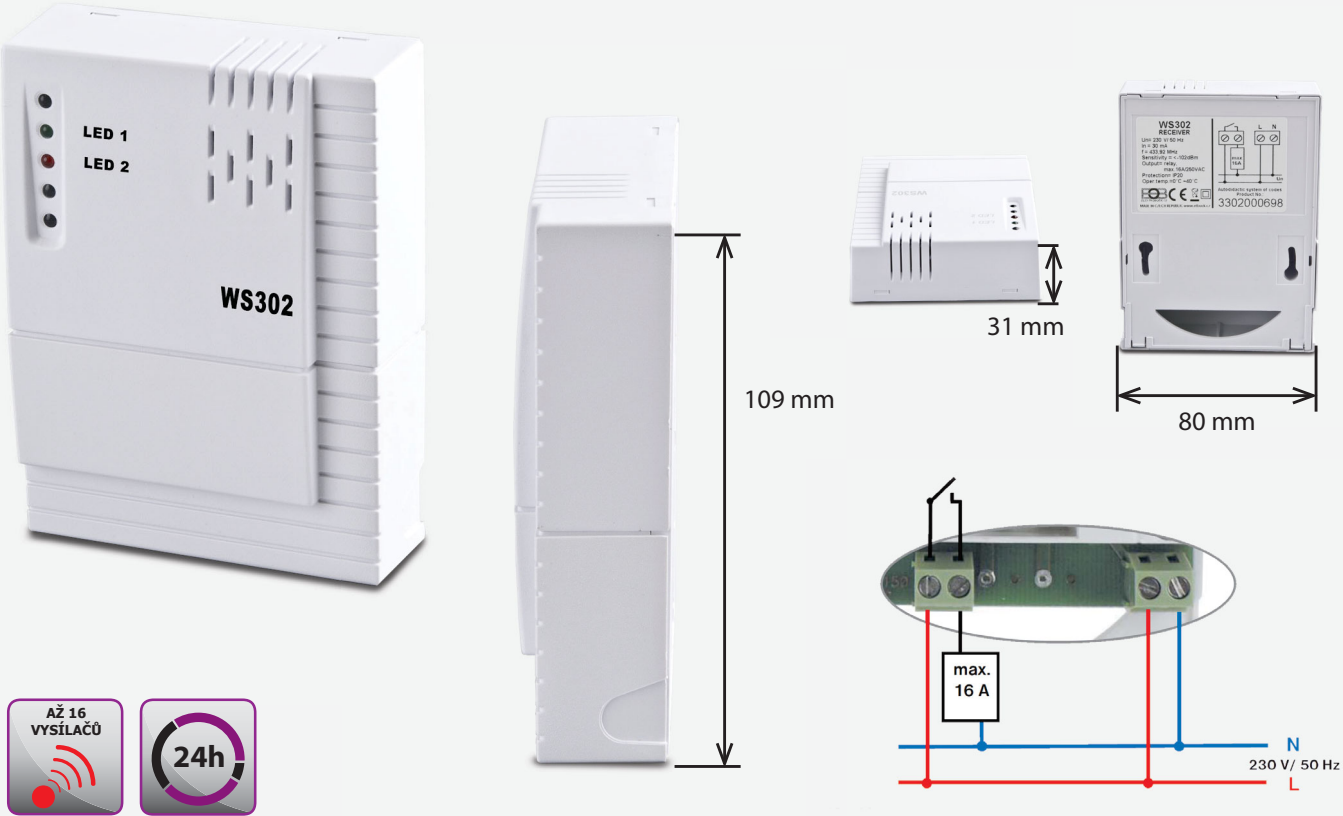
### Technical parameters

Order number	<b>3301</b>
Power supply	230 V / 50 Hz
Power consumption	1 W
Sensitivity	< - 102 dBm
Frequency	433,92 MHz
Degree of protection	IP 20 and higher according to installation
Operating temperature	0 to 50 °C
Range	up to 150 m in the open area, approx. 20 m in the built-up area
Protection class	IP20
Dimensions	49,5 mm × 45,5 mm × 26 mm

# WS302

## Wall receiver

**i** Basic receiver for remote on / off and time control of electrical equipment.  
Wall mounting above the installation box.  
WS302 can be controlled by up to 16 different transmitters with different functions.  
The adjustable time of the timing function is 1 second to 8 hours.



**tip** The WS302 receiver communicates wirelessly with the following transmitters:



Technical parameters	
Order number	3302
Power supply	230 V / 50 Hz
Power consumption	1 W
Sensitivity	< - 102 dBm
Frequency	433,92 MHz
Degree of protection	IP 40
Operating temperature	0 to 40 ° C
Range	up to 150 m in the open area, approx. 20 m in the built-up area
Output	relay, max. 16 A / 250 VAC
Dimensions	109 mm × 80 mm × 31 mm

# WS303

## Receiver with plug-in connection



Basic receiver of the WS300 series for remote switching on / off and time control of electrical devices. Designed for connection to a low voltage socket.

Simply plug the appliance into a through socket using the power cord.

The receiver is designed for indoor installation.



The WS303 receiver communicates wirelessly with the following transmitters:



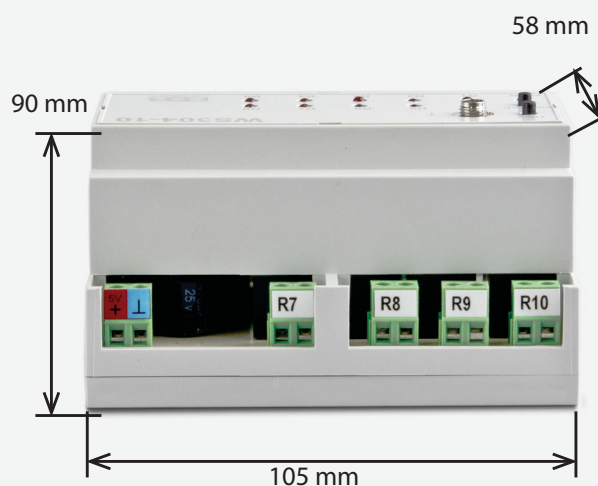
### Technical parameters

Order number	<b>3303</b>
Power supply	230 V / 50 Hz
Power consumption	1 W
Sensitivity	< - 102 dBm
Frequency	433,92 MHz
Degree of protection	IP 40
Operating temperature	0 to 40 ° C
Range	up to 150 m in the open area, approx. 20 m in the built-up area
Output	relay, max. 16 A / 250 VAC
Dimensions	128 mm × 58 mm × 75 mm

# WS304-10

## Ten-channel DIN rail receiver

**i** Receiver with DIN rail mounting.  
The advantage is space saving, all controlled elements are concentrated in one place.  
Each channel can be controlled by up to ten different transmitters.  
The receiver can control up to ten different appliances. Suitable for radiators, pumps, lighting, air conditioning and other equipment up to 16 A.



### tip

The WS304-10 receiver communicates wirelessly with the following transmitters:



WS310

WS320

WS330

WS340

WS350

WS380

WS390

### Technical parameters

<b>Order number</b>	<b>3304</b>
Power supply	5 V / DC, 1 A (recommended power supplies AD05-DU, AD-05-DIN)
Sensitivity	<10 mW
Frequency	433.92 MHz
Degree of protection	IP 20
Operating temperature	0 °C to 40 °C
Range	up to 150 m in the open area, approx. 20 m in the development
Output	relay max. 16 A (AC1)
Number of output channels	(potential-free contacts)
Dimensions	105 mm × 90 mm × 58 mm



**It is necessary to buy an additional power supply AD05-DIN**  
(info see QR code on the right)



**tip**

10 tips for using WS304-10 (model example):



**From one place in the house  
you can control everything wirelessly.**



**SWITCHING ON / OFF  
LIGHTING**



**MOTION DETECTORS**



**AIR CONDITIONING**



**VENTILATION**



**PULL DOWN THE BLINDS**



**GARAGE DOOR OPENING**



**FASTENING ANY  
APPLIANCES**



**GATE OPENING**



**ALARM**

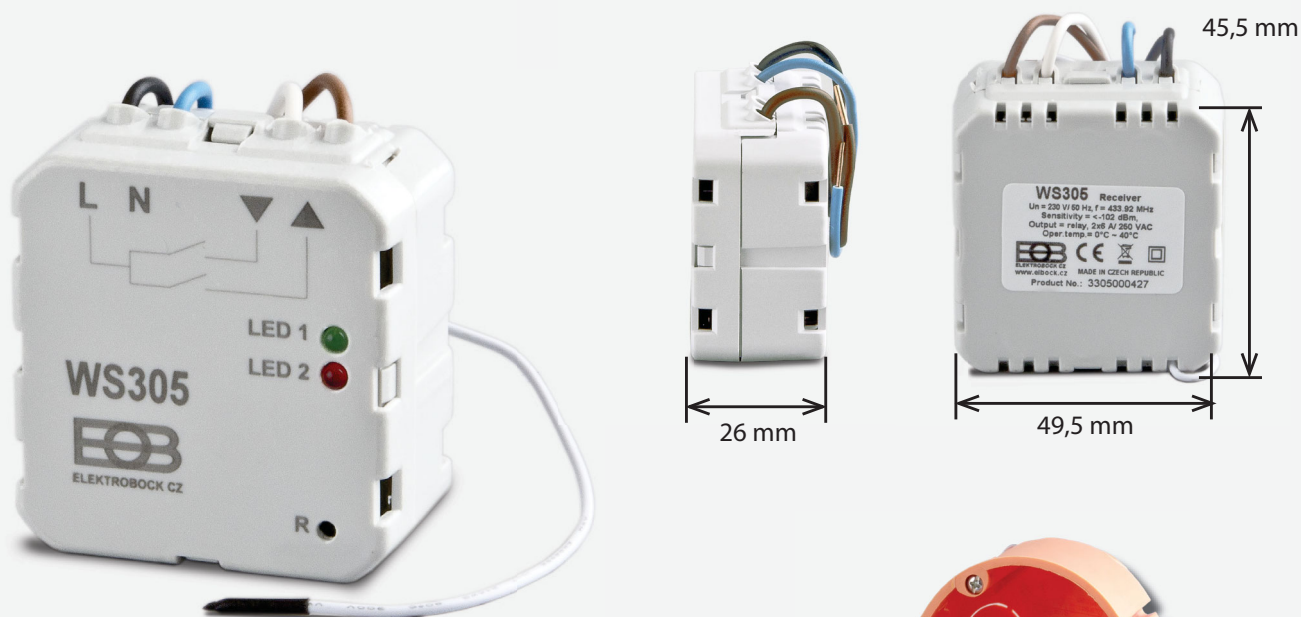


**HEATING**

# WS305

## Receiver for bidirectional drives

**i** Receiver mounted in an installation box for 230 VAC / 6 A electric drives, which are controlled in two directions and equipped with a built-in limit switch. It remotely controls eg blinds, awnings, roller shutters, garage doors, gates, etc. The maximum switching time is limited to 2 minutes. The receiver can be controlled by 16 different buttons (transmitters).



**tip** Receiver in the installation box wirelessly communicates with the following transmitters:



WS310

WS330

WS340



### Technical parameters

Order number	3305
Power supply	230 V / 50 Hz
Power consumption	1 W
Sensitivity	< - 102 dBm
Frequency	433,92 MHz
Degree of protection	IP 20 and higher according to installation
Operating temperature	0 to 50 °C
Range	up to 150 m in open space
Output	relay, max. 16 A / 250 VAC
Dimensions	49,5 mm × 45,5 mm × 26 mm



You can also control the WS305 receiver with the WS340 transmitter with one button. However, you need an individual button for each direction!



#### In combination with WS310 or WS330:

The WS305 receiver is suitable for control with multi-channel transmitters of the WS300 series, for example, a four-channel button or a four-channel key fob.



#### tip

#### Example of using a receiver for bidirectional drives:



**PULL DOWN THE BLINDS**

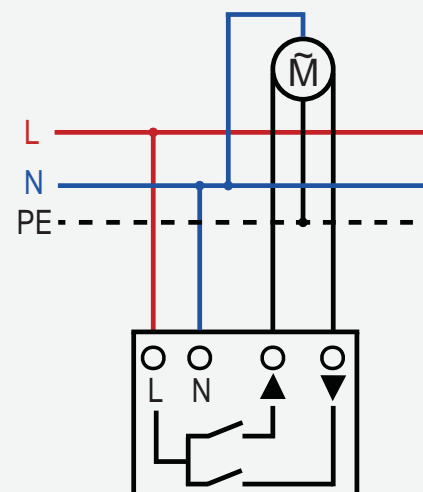


**GARAGE DOOR OPENING**



**GATE OPENING**

Connectivity diagram:



You can also use the receiver for two-way drives in your office to download and pull out the projection screen.



# WS306

## Bell - GONG



### Choice of 5 bell tones.

They will learn up to 16 different codes from transmitters.

Range up to 300 m!



# WS307

## Bell - SIRÉNA



### Choice of 5 siren tones.

They will learn up to 16 different codes from transmitters.

Range up to 300 m!



### Technical parameters

Order number	3306 - bell gong, 3307 - siren bell
Power supply	230 V / 50 Hz
Power consumption	1,5 W
Type of communication	bidirectional; 433.92 MHz
Consumption	<1 VA
Range	up to 150 m in the open area, approx. 20 m in the development
Sensitivity	<-102 dBm
Volume	<85 dB (WS306), > 90dB (WS307)
Degree of protection	IP 20
Protection class	II
Operating temperature	0 to 50 ° C
Dimensions	127 mm × 56 mm × 38 mm



**Attention! The WS306 and WS307 receivers have the same design and almost identical technical parameters, but each of them makes different sounds! Therefore, one product cannot be used as a bell and at the same time as a siren!**



Possible use of WS306 and WS307 receivers in practice:

- the wireless doorbell (WS340 transmitter);
- door open detector (WS320 transmitter);
- motion detector (transmitters WS380, WS390);
- help caller (WS310 or WS340 transmitters);
- alarm (transmitters WS320, WS340, WS380, WS390)
- and more...



The WS306 and WS307 receivers are compatible with the following WS300 series transmitters:



WS310



WS320



WS330



WS340



WS380



WS390

# Symbols used



**Signal transmission  
at 433.92 MHz**



**Two-way communication**



**HF power**



**Frequency modulation type**



**Choice of five different melodies**



**Choice of five siren types**



**Possibility of timing**



**Control up to 16 transmitters**



**SWITCHING ON / OFF  
LIGHTING**



**AIR CONDITIONING**



**PULLING DOWN THE BLINDS**



**CLOSE ANY  
APPLIANCES**



**ALARM**



**MOTION DETECTORS**



**VENTILATION**



**GARAGE DOOR OPENING**



**GATE OPENING**



**HEATING**

**Marking of WS series products:**

## WS3 x x

**system designation**

**transmitter type**

**receiver type**

If 0 is used in the given place, the packaging is not equipped with this element.

**MKO - Monostable slopped perimeter:**

has one stable state that can be switched to an unstable state. The circuit automatically switches back to a stable (basic) state after a certain time. This type of circuit can be used, for example, as a timer, to switch on the appliance for the required time.

**BKO - Bistable slopped perimeter:**

has two stable states. You can switch between these states at will using the converted signals for inputs. In practice, for example, every press of a button or sending a signal from the remote control means a change ON / OFF.

# We think ecologically

Electricity, gas, heating, hot water and other energy. Things that are a matter of course for us. Because it is thanks to energy that we have the true comfort of home.

However, high energy payments make up a significant part of every household's total expenditure, and people are still looking for different ways and where to save.

By making effective use of the WS300's wireless appliance control and controlled regulation, you can save while maintaining the convenience we are used to!

An equally important effect, in addition to saving energy and money, is to relieve the environment from often excessive burdens.



The company Elektrobock CZ s.r.o. has long been interested in the effects of using technical conveniences on the environment and ways to mitigate these effects.

We do not care where we live and do not want to waste energy resources. That is why we develop products for our customers whose function contributes to energy saving.

For each WS3xx series wireless receiver, you can set the on / off timing of the appliance as well as the duration of the switch-on. It just depends on your needs! Thanks to this, you use the appliance efficiently and you do not waste energy unnecessarily.

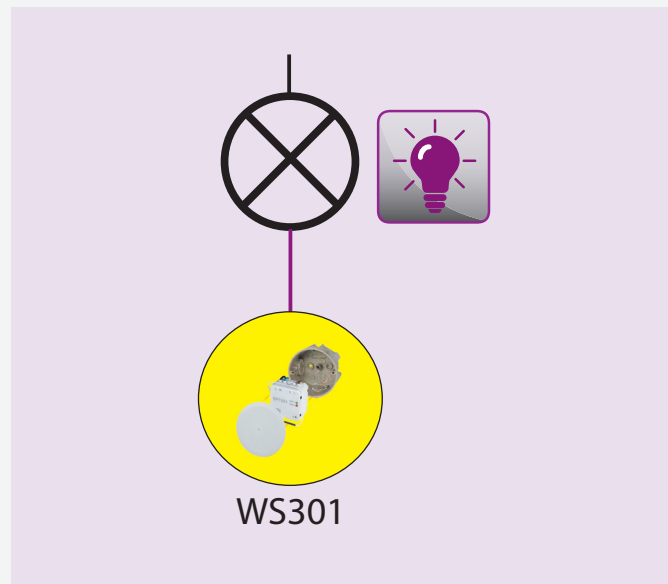
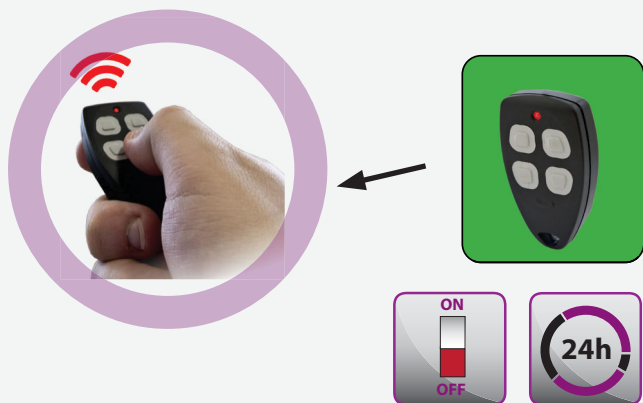
- **Looking for other ways to save? We have some useful tips for you:**
- Do not leave the electronics in stand-by mode, switch off appliances from the mains.
- Use a timer - just take a nap.
- Turn off the computer, do not sleep.
- Use energy-efficient appliances (large difference in energy consumption, especially for refrigerators and freezers).
- Use energy-saving fluorescent lamps and LED bulbs.
- Turn off the light! As the saying goes, the last one goes out.
- Do not heat more than you need (lowering the room temperature by 1 °C will save up to 6% energy for heating).
- **And finally, just remember: Less is sometimes more!**

# System variability

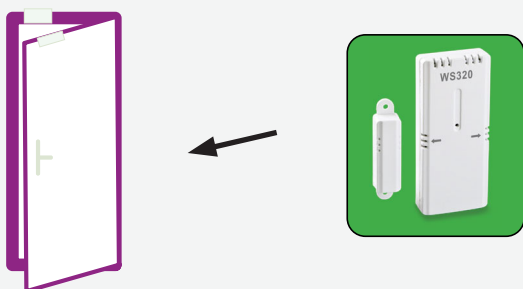
**You can combine the transmitters and receivers of the WS300 series almost freely.**

Each receiver can be controlled by up to 16 different signals from different transmitters. E.g. therefore, you can turn on one light by manually pressing a button, but also by moving in the detected area or opening the door.

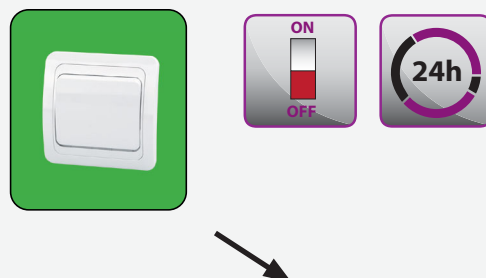
## 1. Wireless keychain WS310



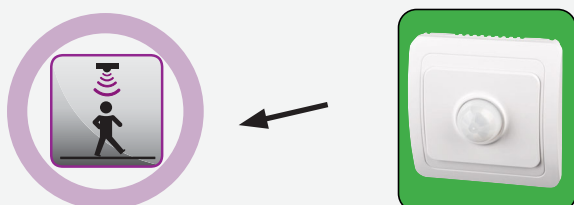
## 2. Transmitter with magnetic contact WS320



## 3. WS330 wireless button



## 4. Motion sensor wall WS380 and ceiling WS390



For multi-channel transmitters (WS310 and WS340), it is possible to program each channel to a different command - immediate switching on / off of the appliance or timing.



starting  
the pump

rolling  
the blinds

suction

switching  
the lights

opening

and closing  
the gate

starting  
alarm

switching  
heating

bell

?

And what is your idea  
for using the  
WS300 system?



More detailed information on prices and products at: **[www.elbock.cz](http://www.elbock.cz)**



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Czech Republic** Tel.: +420 541 230 216  
Fax: +420 541 231 369  
E-mail: **[elbock@elbock.cz](mailto:elbock@elbock.cz)**

## Why to choose Elektrobock?

- We offer a comprehensive system of wireless wiring.
- We know how to do it.
- Professional processing.
- We have a wide selection of products for every building, household and commercial space.
- The products are designed and manufactured in the Czech Republic.
- We believe in what we sell. Everything is tested and verified.