

## **Wireless receiver for control of electric heating devices - UNDER THE SWITCH -**

- Control of electric heating systems
- The connected electric appliance is switched according to the required temperature
- Two-way radio communication at 433,92 MHz
- The control unit PH-BSP is the pilot component
- Component of the PocketHome® system

## INSTALLATION

PH-SP1 is used for switching the heating device in connection with the PH-BSP control unit. **The big advantage is mounted directly into the installation box.**

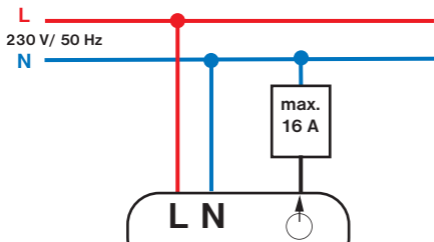


### FUNCTION BUTTON ( R ) :

**SHORT PRESSING** (for about 1,5s) - coding.

**LONG PRESSING** (for about 5s)  
- RESET deleting the code from the memory (the green and red LEDs flash simultaneously).

### Wiring diagram:



**The device can only be installed by a person with adequate qualification! The installation must be executed in a voltage-free state!**

## ACTIVATION PROCEDURE

1. Switch off the main circuit breaker.
2. Connect the receiver acc. to the diagram.
3. Switch on the main circuit breaker; **the green diode flashes** on the receiver; thus the receiver is ready for further setting.
4. Shortly press the **FUNCTION BUTTON** for about 1.5 s (**the green and red diode are flashing alternately**).
5. On the PH-BSP control unit, press the “**Test**” button in the **ACTIV** mode to activate the SP switching components (see page 10 of the PH-BSP instructions).
6. If the code has been learned correctly, **the green and red diodes flash simultaneously**.



## INDICATION DIODES

LED 1	LED 2	FUNCTION
		empty memory, code not learned
		code learned
		<b>FLASHING ALTERNATELY</b> = code learning mode <b>FLASHING SIMULTANEOUSLY</b> = code has been learned <b>SIMULTANEOUS LONG FLASH</b> = code was ERASED
		relay switched
		<b>ERROR</b> (if no signal is received from the transmitter within approx. 6 hours, it switches to the 2-min-ON / 8-min-OFF mode). LED flashes only if the relay is on, i.e. for 2 minutes.

EXPLANATION:



LIT



UNLIT



FLASHING

**PH-SP1 is suitable for switching heating panels, direct heaters, radiant panels, heating mats, etc.** It switches the connected device according to the information received from the control unit. To be installed in internal rooms. Do not locate near power lines!

## TECHNICAL PARAMETERS

Power supply	230 V/ 50 Hz
Communication type	two-way
Frequency	433,92 MHz
Sensitivity	< -92 dBm
Range	150 m (in free area), 20 m (in built-up area)
Output	relay, max.16A/ 250 VAC
Protection	IP20 and higher acc. to the installation
Working temperature	0 to 40°C
Dimensions (LxWxD)	49,5 mm x 45,5 mm x 26 mm

### CERTIFICATE OF GUARANTEE

(guarantee period for the product amounts to 2 years)

product No.:	date of sale:
	stamp of shop:
examined by:	

**In case of guarantee or post-guarantee service, send the receiver to the manufacturer's address.**

### DECLARATION OF CONFORMITY

We, ELEKTROBOCK CZ s.r.o., herewith declare that our product PH-SP1 is in conformity with the basic requirements and other respective provisions of the directive 1999/5/ES.

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