

## Pyroelectric motion sensor lock Smart Stairway PIR-SR501-1



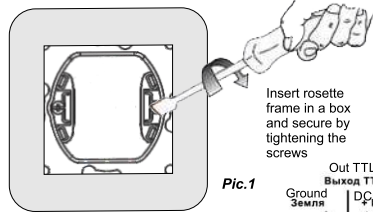
Pyroelectric motion sensor is designed for use with digital receivers TTL, a logical unit when motion is detected. The sensor can be used with the backlight controller Smart Stairway steps or security systems which is used to power the sensor voltage from 5 to 20V DC with TTL logic levels of + 3.3V. The sensor is designed for installation in mortise box rosette diameter of 65 mm.

The main parameters Module HC-SR501

parameter	Value	Value
Value	3.2mm x 24mm x 18mm	
Voltage	DC 4.5V - 20V	
Current at OUT	<60uA	
Output voltage	High and low level 3.3V TTL	
Distance detection	3 - 7m (customizable)	
Angle of detection	до 120 °	
Pulse the detection of	5 - 200сек. (Customizable)	
Time Lock	2.5сек the next measurement.	
Operating temperature	-20 - + 80 ° C	
Mode	L - single capture, H - repeatable measurements	

### The procedure for installing and connecting the sensor.

1. Install the mounting box frame sensor with a screwdriver, tighten the screws, avoiding excessive effort that would not damage the casing box or rip the threads. (See. Figure 1)
2. Make sure the power to the controller or alarm system was disconnected.
3. Connect the wires to the sensor using a special connector or using soldering or connecting clamps if the touch module has pidpayani end. (Depending on type of sensor). Follow the circuit in Figure 2 and the colored labeling wires (Figure 3). **WARNING!** Improper connection wires can lead to failure of the sensor and controller!
4. Check the connecting wires.
5. Adjust the motion sensor to the required level of sensitivity and delay according to Figure 2 (if necessary)
- The sensor is supplied already preset delay, trigger sensitivity and repetition. Regulation should be made only if the preset settings do not match your hardware configuration.
6. Insert the probe in the first frame entering the bottom edge, aligning the groove with the head of the screw and zaschelknuv cover under the scheme in Figure 4.
7. Conduct a test on and check the correctness of the sensor. In case of low or too high sensitivity, turn off the power, remove the sensor in reverse order and return to paragraph 5 of this manual.



Pic.1

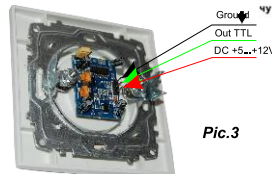
Insert rosette frame in a box and secure by tightening the screws



Pic.2

H - repeated measurements  
L - A single seizure  
H - повторные замеры  
L - одиночный захват

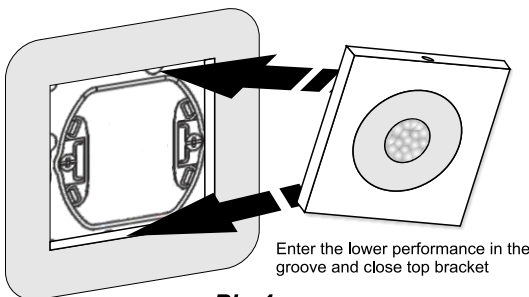
Ground Земля  
Out TTL Выход TTL  
DC +5...+12V Пит.Вывод



Pic.3

Настройка чувствительности Sensitivity  
Время задержки delay time

**WARNING.** Pyroelectric element induction takes about 60 seconds. after switching to initialize. Please do not spend any action on the setting for the specified time after turning the sensor.



Pic.4

Enter the lower performance in the groove and close top bracket

