

Door sensor installation







1. Introduction



The manual is a short operating manual for the ZXX/CXX/CmXX series sauna controller. Prior to installation, safety controls are required and listed on the sauna controller device. You can take the instructions from <https://ffes.pl/do-pobrania/>

2. List of materials for assembly

Item	Name	Quantity	Preview photo
1	Reed	1	
2	Adapter (Fixing bracket)	2	
3	Mounting screw Ø3x12mm	4	
4	Wire 5m	1	

3. Tools needed for assembly

- Phillips screwdriver



Before connecting to the power cables, the device will be equipped with door switches!

4. Sensor location



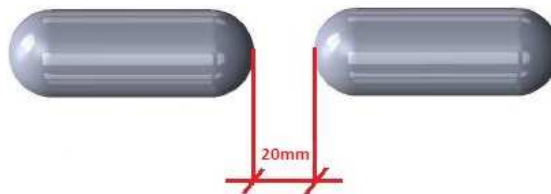
Action: Install the sensor at the bottom of the door.
 (due to the permissible operating temperature of the reed switch.)

The reed switch consists of two parts: movable and stationary.

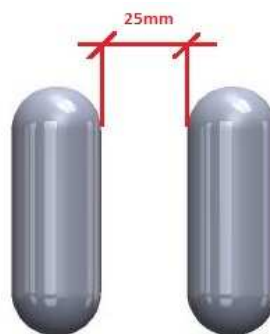
The fixed part (with the cable) should be mounted to the door frame, optionally to the element with adjacent elements.

It is required to place both parts at distances from each other. Optional variants of settings for the part underneath.

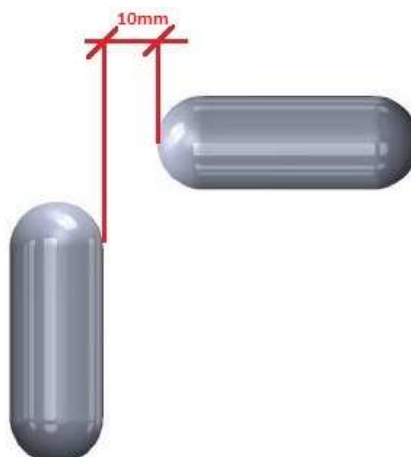
➤ **Variant I**



➤ **Variant II**

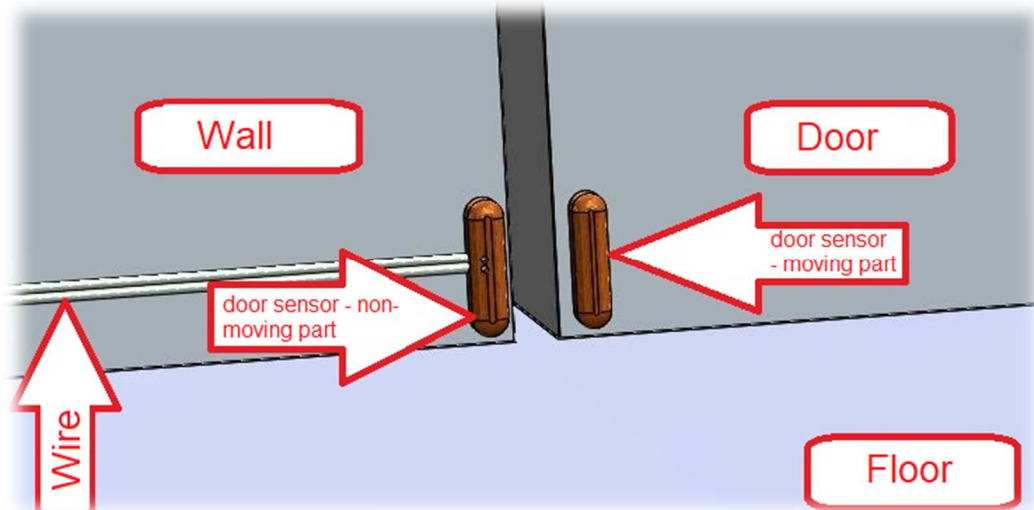


➤ **Variant III**



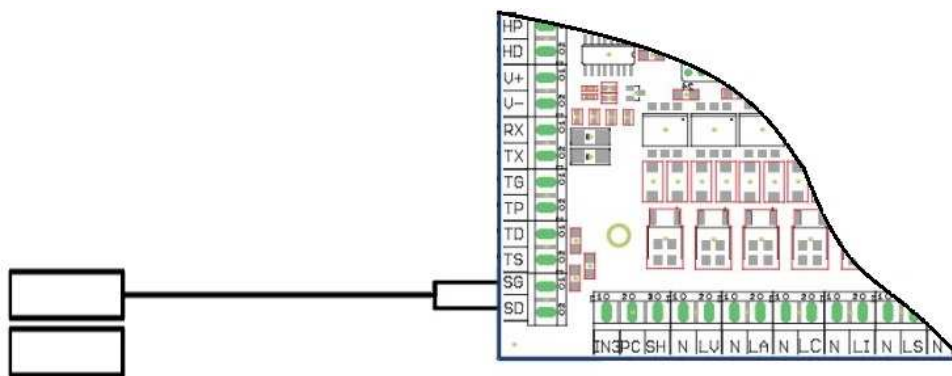
5. Installation of the door sensor

Door sensor (reed switch) composed of two parts: movable and stationary.



The fixed part (with cable) should be mounted to the door frame or wall within the door. The sensor is mounted to metal elements using the double-sided tape included in the kit. In case of installation on a wooden part, use washers - mounting bracket (item 2 in the table). Then glue the second part of the reed to the pad.

6. Connecting the door sensor to the main board of the FFES ZXX, CXX, CXXmini series



7. Principle of operation of the door sensor

Door sensor (reed switch) - depending on the service settings (Config 5), the door opening during the session may be stopped by the session after the session time (Config 4 - configuration for 60 seconds), the controllers will report error 08 in such a situation. After starting, the control device from the ZXX/CXX/CmXX series starts emitting a sound signal, reminding you to close the door. If the sauna door is closed before the time expires, the session will still continue.

The current door status will be displayed on the control panel (during the session) using appropriate icons - the closed/open door symbol.