

SMARTLIBERTY

— MORE TIME FOR CARE —

# Sensor board

## User documentation



## 1. Description

### Intended use

The SmartLiberty sensor board can be installed in various sensors for alarm transmission, for example in a contact mat or a motion sensor.

### Reference documents

Document	Description / Document no.
Data sheet	Technical features of the sensor board
Contact mat - Instructions for use	User documentation with instructions for installation and use
Motion sensor - Instructions for use	User documentation with instructions for installation and use

### Overview

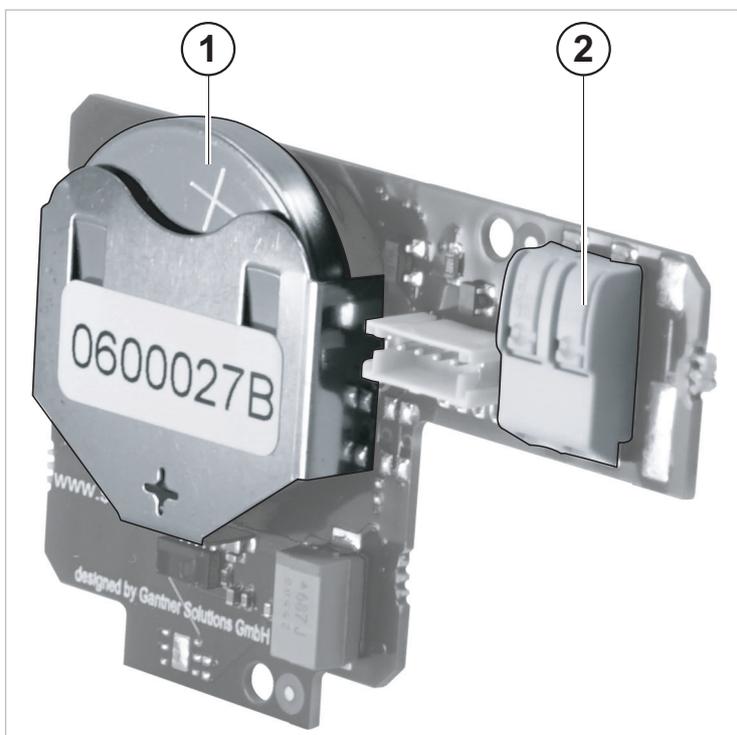


Fig. 1 Sensor board, top side

- 1 Battery
- 2 Clamp for signal cable

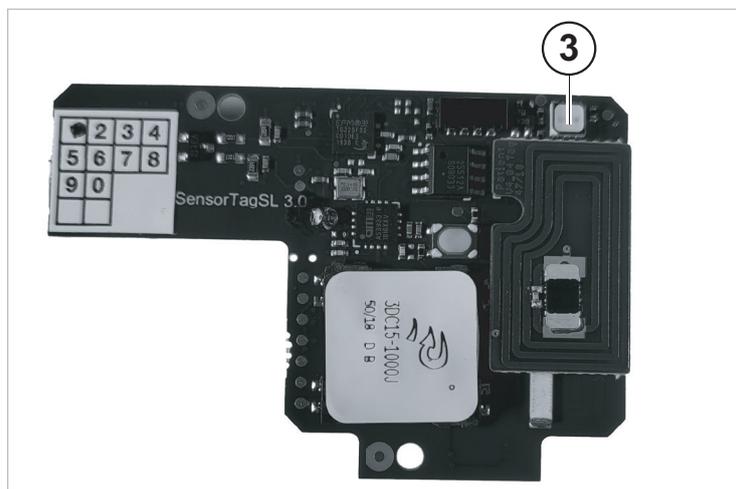


Fig. 2 Sensor board, bottom side

- 3 LED

### Functions

The SmartLiberty sensor board is provided with the following function:

- an accelerometer

### Power

- Battery CR2450, 3 V, 500 mAh (replaceable). Only use batteries approved by the manufacturer (see SmartLiberty website).

## 2. Use

### Activating the sensor board

- i** Before putting into service, 2 more stages must be completed:
- ▶ Enter the sensor board into the software.  
*When scanning, the sensor board is assigned via the software to the product in which it was installed.*
  - ▶ Assign sensor board to a resident or a virtual user.  
*See the software manual.*

### Activation and deactivation in the contact mat

- ▶ Stand on the contact mat for about 10 s until the reassurance light (LED) lights up.  
*When activated, the reassurance light (LED) flashes green.*
- ▶ When the contact mat has been set up: Place the contact mat on the floor for reactivation.  
*The contact mat is ready again immediately.*

### Activation when installed in motion sensor

- ▶ Short-circuit both contacts of the clamp and hold for about 10 s.  
*When activated, the reassurance light (LED) flashes green.*

**Sending alarm**

An alarm is sent when the contact is closed.

- For contact mat: Through pressure on the mat
- With motion sensor: By moving within the detection radius  
*The reassurance light (LED) lights up red.*
- The call has been received by the server.  
*The reassurance light (LED) lights up red.*
- The call has been taken over and someone will arrive to provide assistance.  
*The reassurance light (LED) flashes blue (after a short period).*
- The call has been cancelled.  
*The reassurance light (LED) flashes green for several seconds.*

**Cancelling alarms**

- ▶ Bring the staff badge within 50 cm of the sensor board and press the cancellation button.  
*The reassurance light (LED) immediately flashes green and then goes out (visible or not, depending on the installation position).*

**3. Installation**

The sensor board can be installed in the following sensors, for example:

- Wireless contact mat
- Wireless motion sensor

 <b>CAUTION</b>	<p>Risk of damaging the device! The clamp on the sensor board is only used to connect signal cables.</p> <ul style="list-style-type: none"> <li>▶ Do not connect live cables to the sensor board.</li> </ul>
--	--

 <b>CAUTION</b>	<p>Risk of damaging the device! ▶ Make sure that the sensor board does not touch any metallic or electronic parts.</p>
--	--

**Installing sensor board in contact mat**



Fig. 3 Contact mat, bottom side

1 Housing for sensor board

1. Open the housing for the sensor board.  
*See instructions for use Contact mat.*
2. Connect the orange signal cables to the clamp on the sensor board. To do this, press lightly on the openings (1) of the clamp, to insert the signal cables.

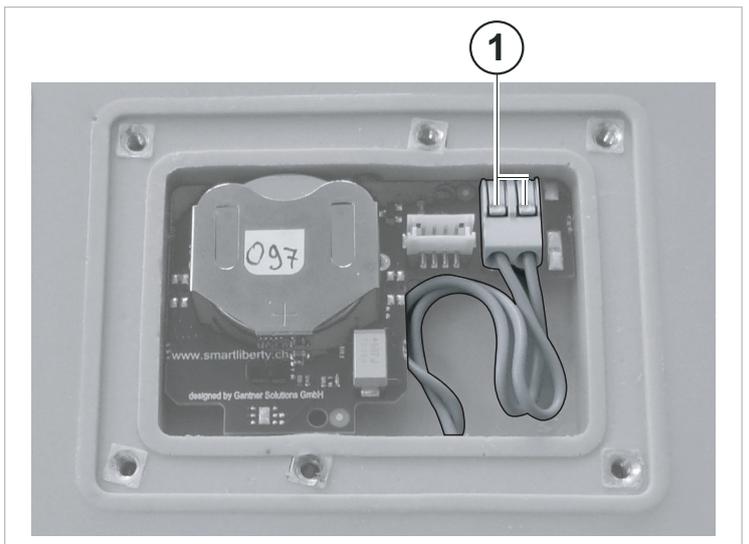


Fig. 4 Connecting sensor board - Contact mat

3. Place the sensor board in the contact mat as shown. Make sure that the top and bottom sides are aligned correctly.
4. Close the housing for the sensor board.  
*See instructions for use Contact mat.*

## Installing sensor board in motion sensor



Fig. 5 Motion sensor, open

- 1 Position for installing the sensor board
1. Activate the sensor board.  
See «Activating the sensor board».
2. Open motion sensor.  
See the instructions for use Motion sensor.
3. Connect the signal cables of the motion sensor to the clamp of the sensor board. To do this, press lightly on the clamp.



Fig. 6 Connecting the sensor board - Motion sensor

- 1 Signal cable

4. Place the sensor board in the motion sensor with the LED facing the back.
5. Place foam under and on the sensor board so that it is fixed in the motion sensor.



Fig. 7 Fixing the sensor board

6. Close the motion sensor.  
See the instructions for use Motion sensor.

## Installing the sensor board in other sensors

- ▶ Follow the instructions for use of the respective sensor.
- ▶ Connect the signal cables to the clamp on the sensor board. To do this, press lightly on the clamp.
- ▶ Mount the sensor board so that the LED shines through the sensor housing at the intended location.

## 4. Uninstalling

The sensor board must be taken out in order to:

- replace the sensor board

## Removing the sensor board

1. Open the sensor.  
See the instructions for use of the respective sensor.
2. Press lightly on the openings (1) of the clamp and remove signal wires (when replacing the sensor board).

3. Carefully lift the sensor board by holding it by the edges.

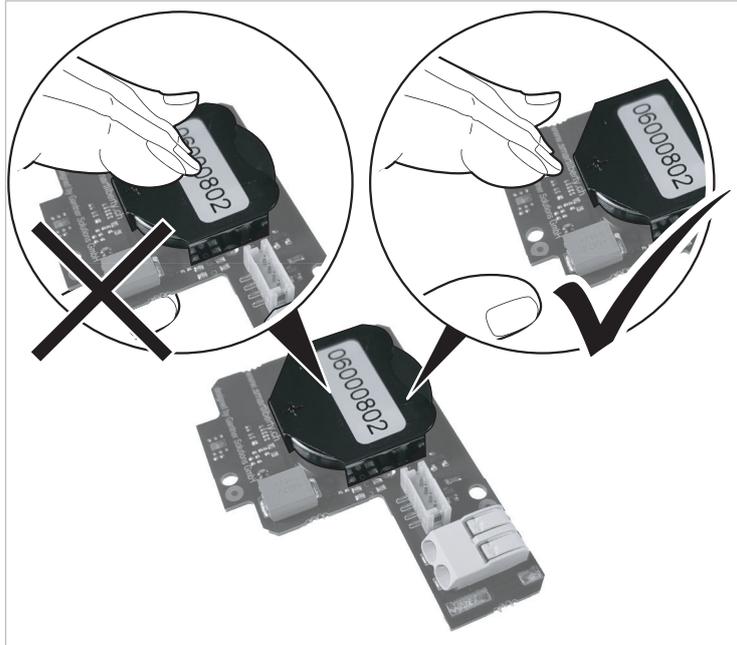


Fig. 8 Holding the sensor board by the edges

### 5. Replacing the battery

The sensor board works with a CR2450 3 V 500 mAh battery.

1. Dismantle the sensor.
2. Remove the used battery. Push the battery out of its compartment with the help of e.g. a pen.

 <b>CAUTION</b>	<p><b>Risk of damaging the device!</b></p> <ul style="list-style-type: none"> <li>▶ Do not touch the sensor board with a metal tool.</li> </ul>
--------------------	---

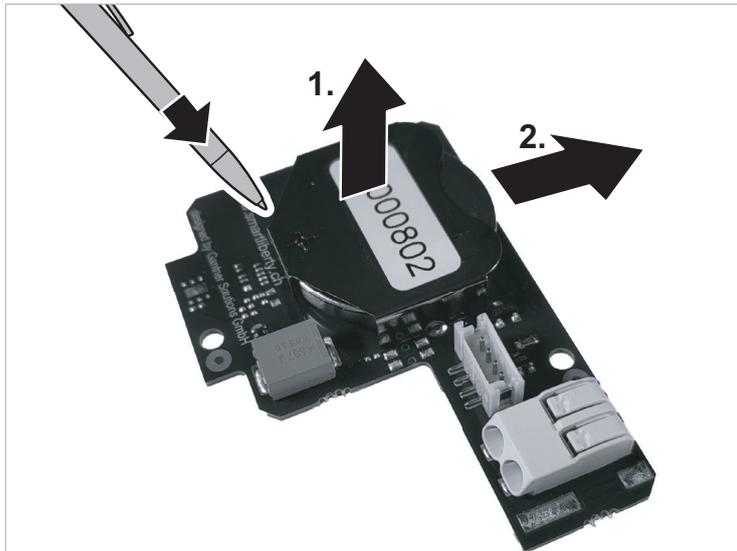


Fig. 9 Removing the battery

3. Place a new battery in the battery compartment. The + must point upwards.

4. Place the sensor board back in its housing.

	<ul style="list-style-type: none"> <li>▶ Make sure that the sensor board is inserted into the sensor the right way round.</li> </ul>
--	--

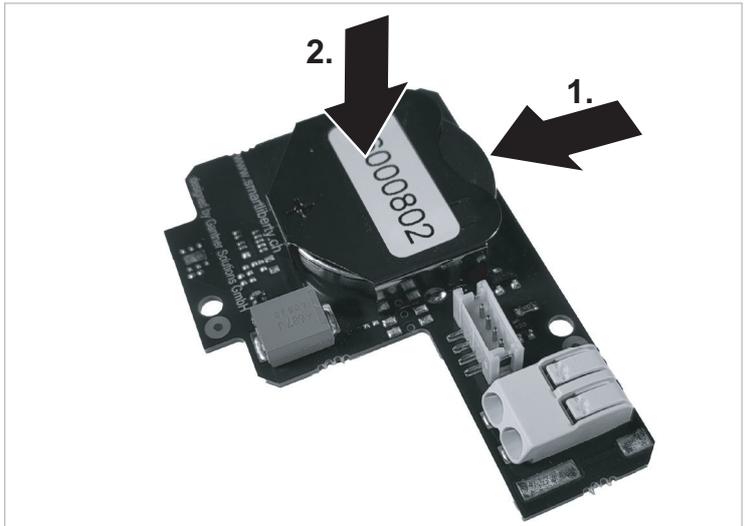


Fig. 10 Inserting the battery and sensor board

5. Close sensor.  
See the instructions for use of the respective sensor.

### 6. Maintenance

- ▶ Replace damaged sensor board.

### 7. Disposal

	<p>Directive DEEE 2012/19/CE on electrical and electronic equipment waste</p>
--	---

- ▶ Dispose of the package and the end-of-life product in an appropriate recycling facility.
- ▶ Do not discard the product with household waste.
- ▶ Do not burn the product.
- ▶ Remove the battery.
- ▶ Recycle the battery in compliance with legal requirements and do not discard with household waste.

