Data Sheet
V410-201-008   Personnel-tag | 2.16 | fall detection

Description

The extremely versatile transponder serves personnel in a wide variety of cases and is also a protective means of occupational safety.

It does not only have a name card holder in the size of a business card, it can also be used as a "key" for electric door lockings. This means that a resident with a dementia-patient-tag can walk through secured doors and areas without generating a wandering alarm if he is accompanied by the personnel-tag. In addition, the staff can trigger an emergency call (duress alarm) including a location function by pushing the alarm button. The quit button serves to acknowledge patient calls as well as deleting own staff alarms. The transponder is completed by an additional fall sensor and a dead man's alarm. This makes it one of the most versatile tools for personnel in hospitals, nursing homes and similar.

The transponder is part of the whole system, interacting with between reading/receiving unit (LF + HF) and the SCC 5.0 software.

The personnel-tag takes on the following tasks:

1. If a personnel-tag and a dementia-patient transponder are located together in an LF detection field / LF location field, the alarm to be triggered by the dementia-patient transponder is suppressed by the personnel transponder.
2. The transponder has two buttons on the back. The buttons are marked as 1 and 2. Depending on the setting of the receiving unit (s), button 1 (= acknowledgment button) of the personnel transponder in the detection field / location field is used to acknowledge alarms.
3. Button 2 of the transponder is used to trigger an emergency call (staff emergency call).

4. The field size can also be checked with the personnel-tag. As soon as the personnel-tag is in the field, the LED on the transponder flashes green in a rhythm of 1.2 seconds.
5. In addition, the transponder has a fall sensor and triggers a dead man's alarm also, which can be activated by pressing both buttons (LED lights up red and the transponder vibrates once) and deactivated (LED lights up green and the transponder vibrates three times briefly). After starting the personnel-tag, the alarm is deactivated. The push of a button and other actions are confirmed with the two LEDs and the vibration motor.
6. A triggered personnel emergency call must be acknowledged. The personnel emergency call is acknowledged by long pressing the acknowledgment key 2.

Data table

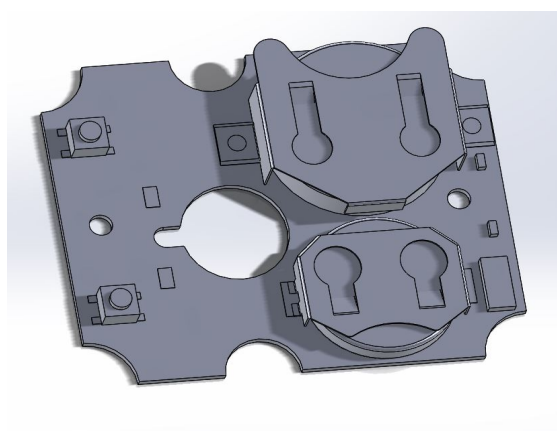|	
Dimensions board (WxHxD)	39 mm x 20,5 mm x 6 mm und 58 mm x 47 mm x 8 mm
Housing dimensions (WxHxD)	103 mm x 66 mm x 11 mm
Degree of protection	IP 44
Total weight transponder	56 g
battery	CR2023 und CR2450 Lowbat message from below 30% battery capacity with every transmission
Frequency band	868,0-868,6 MHz
Activation frequency	125 kHz
Transmission power 868 MHz	+5 dBm
operating temperatur	-20°C bis +45°C
Material piece of tape	silicone
Mounting	Clip clasp metal

Figure 1: Sensor board

Figure 2: Sensor board rear view

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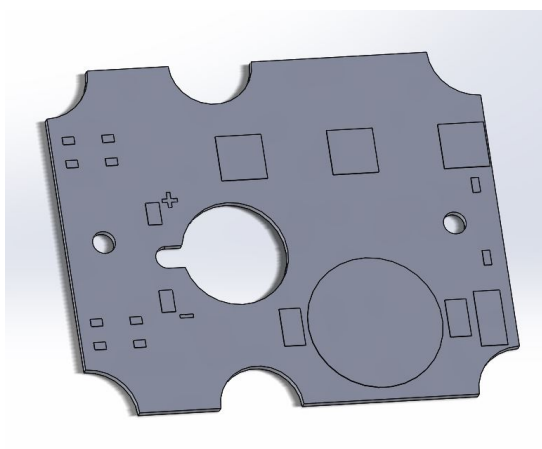Dr.-Gartenhof-Str. 4 | D-97769 Bad Brückenau | Tel. +49 (0) 97 41-15 00 | Fax +49 (0) 97 41-53 43 | info@martin-elektrotechnik.de | www.martin-elektrotechnik.de |

Note: The battery life depends on how often the transponder is in the LF field. If the transponder is permanently in an LF field, the battery life is max. 2 months.

The battery life also depends on whether the fall sensor and dead man's alarm is activated or deactivated. If the alarm is active, the battery life outside the LF field is max. 6 months. If the alarm is only active for 12 hours a day, the battery life increases accordingly up to 12 months.

The transponder has two batteries: CR2023 and CR2450. Both batteries must be replaced when the low-bat message is sent.

Martin Elektrotechnik GmbH hereby declares that article V410-201-008 corresponds to the guidelines 2014/53 / EU, 2014/35 / EU, 2014/30 / EU. The full text of the EU declaration of conformity is available on the following website: https://martin-elektrotechnik.freshdesk.com/support/solutions

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Martin Elektrotechnik GmbH

Dr.-Gartenhof-Str. 4 | D-97769 Bad Brückenau | Tel. +49 (0) 97 41-15 00 | Fax +49 (0) 97 41-53 43 | info@martin-elektrotechnik.de | www.martin-elektrotechnik.de |