

**Short manual for the
Care-Transponder for standalone (Art.No. V410-103)
and SCC 5.0 (Art.No. V410-103-008 and V410-104-008)
Programming F2.38.2 and F2.38.3**



Function description for standalone:

The data transmissions of the nursing transponder take place in all LF fields (Lxx1.00, F4.02); with keystroke both inside and outside LF acquisition fields.

The readout of the transponder version as well as the battery capacity is possible with the Raphael-Check (can be ordered under article number S800-002).

The ID of the nursing transponder can be changed/set using the LF module in programming mode.

A battery-low message is transmitted for evaluation with every transmission when the battery capacity falls below 30%.

Flashing behavior of the nursing transponder:

- Low battery capacity is indicated by a red flashing of the transponder LED in the active field; at normal battery level, the LED flashes green
- LED lights up red when a button is pressed
- LED flashes green every 1.2 seconds in the active LF field
- LED flickers green in the active LF field when no RF reception is available
- LED flashes red every 1.2 seconds in active LF field when low battery

Functional description for network SCC 5.0:

- Data transmissions of the transponder take place in active LF fields. Active LF fields carry the LF ID 121 and upwards. (Default during flashing)
- In passive LF fields, the transponder remembers the last LF ID. Passive LF fields carry the LF-ID 120 and down. (default during flashing)
- The transmission mode active/passive LF field can be changed (during flashing as well as via the Raphael-Check USB-Config).
- Emergency call transmissions are always possible via the nursing transponder (within as well as outside active/passive LF fields). The same applies to emergency call acknowledgement transmissions.

For nursing transponder F2.38.2

Triggering a staff call on the nursing transponder:

To trigger a personnel call, press and hold the nursing transponder button for 4 seconds.

Outside of HF reception, the personnel call triggering of the nursing transponder is repeated every 2 seconds for up to 8 minutes. The LEDs on the nursing transponder then flash red every 2 seconds until HF reception is available again or the 8 minutes are up.

Acknowledging a staff call on the nursing transponder:

Press and hold the button on the nursing transponder for approx. 8 seconds until the LED on the transponder lights up green. The transmission of the acknowledgement is indicated by a subsequent brief red flashing of the LED.

Outside of HF reception, the staff call acknowledgement of the nursing transponder is repeated every 2 seconds for up to 8 minutes. The LED on the nursing transponder then flashes red every 2 seconds until RF reception is available again or the 8 minutes are up.

Acknowledging an emergency transponder F3.38.3:

Briefly press the button on the nursing transponder. Now the red LED flickers for 6 seconds. During this time, press the button on the emergency transponder. The red flickering of the LED on the nursing transponder ends immediately and then green for 6 seconds.

At the same time, the green LED of the emergency transponder lights up for 6 seconds as an acknowledgement confirmation.

Acknowledgement of a wall/pull switch F8.11:

Briefly press the button on the nursing transponder. Now the red LED flickers for 6 seconds. During this time, press the pushbutton of the Wall/pull switch. The red flickering of the LED on the nursing transponder stops immediately and then green for 6 seconds.

At the same time, the red LED or the red and green LEDs of the Wall/pull pushbutton light up for 3 seconds as an acknowledgement confirmation.

For nursing transponder F2.38.3

Triggering a staff call on the nursing transponder:

To trigger a personnel call, press the nursing transponder key twice in quick succession within one second.

Outside of HF reception, the personnel call triggering of the nursing transponder is repeated every 2 seconds for up to 8 minutes. The LEDs on the nursing transponder then flash red every 2 seconds until HF reception is available again or the 8 minutes are up.

Acknowledging a staff call on the nursing transponder:

Press and hold the button on the nursing transponder for approx. 4 seconds until the LED on the transponder lights up green. The transmission of the acknowledgement is indicated by a subsequent brief red flashing of the LED.

Outside of HF reception, the staff call acknowledgement of the nursing transponder is repeated every 2 seconds for up to 8 minutes. The LED on the nursing transponder then flashes red every 2 seconds until RF reception is available again or the 8 minutes are up.

Acknowledging an emergency transponder F3.38.3:

Briefly press the button on the nursing transponder. Now the red LED flickers for 6 seconds. During this time, press the button on the emergency transponder. The red flickering of the LED on the nursing transponder ends immediately and then lights up green for 6 seconds.

At the same time, the green LED of the emergency transponder lights up for 6 seconds as an acknowledgement confirmation.

Acknowledgement of a wall/pull switch F8.11:

Briefly press the button on the nursing transponder. The red LED now flickers for 6 seconds. During this time, press the pushbutton of the Wall/pull switch. The red flickering of the LED of the nursing transponder ends immediately and then lights up green for 6 seconds.

At the same time, the red LED or the red and green LEDs of the Wall/pull switch light up for 3 seconds as an acknowledgement.

Emergency call/staff call is not updated when field is changed

If a resident triggers an emergency call or a staff member triggers a staff call and then moves to another entry field, the emergency call/staff call is not updated. If the resident/staff then triggers the emergency call/staff call again at a new location, the alarm that is already present is acknowledged and a new emergency call/staff call is triggered in the new entry field.

Changing the battery

1. Loosen the four screws on the back of the transponder (Torx T3).

2. Remove the transponder electronics and replace the battery (battery type CR2032).
3. Put the transponder electronics back into the housing. Make sure that the electronic components are not damaged. electronic components are not damaged.
4. Close the housing again with the screws. Tighten the screws with a torque of 0.25 Nm.

Energy consumption in standby mode: approx. 0.008 mA

Energy consumption in transmit mode: approx. 15 mA for 6 ms

Batteries type CR 2032, capacity 240mAh

If the transponder is permanently in the detection field, the battery lasts for approx. 80 days*.

If the transponder is never in the detection field, the battery will last up to 1.2 years*.

For safety reasons, it is recommended to check the battery four times a year, at regular intervals, using a battery tester (MartinCheck available on request).

*The values stated always assume a quality battery in new condition.

Please do not use no-name or low-cost batteries.

Cleaning

The transponders can be cleaned with a standard spray disinfection. The Raphael Medi Band can be disinfected and can also be used for several residents. However, it is recommended to replace the band after approx. 12 months.

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