Short manual for the

V430-106-008 Emergency-Transponder for SCC 5.0

F1.38.3

Functional description

In active LF fields (LF ID greater than 120), data is sent from the transponder. In the passive LF field (LF ID less than 121), the transponder memorizes the last LF ID. These transmission modes can be changed (please specify with order).

For emergency calls outside an LF field, the last known LF ID is transmitted. Basically, the emergency call transmission is possible inside as well as outside of all LF fields. If the emergency call is triggered outside the HF reception, it is repeated every 2 seconds and ends only as soon as HF reception is available again or after 8 minutes. If the emergency call has not been acknowledged and another active/passive LF field is entered, the emergency call is triggered again. The transmission is additionally displayed by the flashing of the red LED.

The battery low message is transmitted for evaluation with each transmission in an LF field and when an emergency call is sent, starting from a value below 30% of the battery capacity.

Reading out the version and battery status is possible to the Raphael-Check (article number S800-002).

When the battery status is low, this is displayed by the red flashing of the LED in the active field (normal green) and when acknowledging (normal green LED for 6 seconds) by a short red glow.

The emergency transponder ID can be set using the LF module in programming mode.

Heartbeat monitoring is possible, but not provided in the default settings, as this results in increased energy consumption.

Acknowledgement

The acknowledgement function can be activated/deactivated (please specify when ordering).

Acknowledgement by the nursing transponder F2.38.3

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 of the nursing transponder ends immediately and then lights up green for 6 seconds.

The LED of the emergency call transponder lights up green for approx. 6 seconds as confirmation.

During the acknowledgement process, the keystroke on the nursing transponder is transmitted first. When acknowledged on the emergency call transponder, the acknowledgement message is finally transmitted by the emergency call transponder.

Explanation of LED light behavior

- LED lights up red for 17 seconds for emergency call transmission
- LED flashes green for 6 seconds as acknowledgement confirmation
- LED flashes red every 2 seconds if no HF reception
- LED flashes green every 1.2 seconds in active LF field
- LED flashes green depending on the set heartbeat during heartbeat transmission
- LED flashes red briefly and then lights green for 6 sec. as acknowledgement confirmation if low battery
- LED flashes red every 2 seconds if no RF reception and low battery
- LED flashes red every 1.2 seconds in active LF field when low battery
- LED flashes red, depending on the set heartbeat during heartbeat monitoring, when low battery

Emergency call/staff call is not updated when changing fields

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.
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 S800-002).

*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.

The content has been compiled with the utmost diligence and is based on information that is considered reliable. However, no liability can be assumed for its accuracy.

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