

Datasheet

Emergency Call Transponder 2.15

V430-106-008 as a bracelet with pin buckle



General description

The transponder assumes different tasks depending on the IDs of the reading units:

1. The transponder sends a message to the Schutzengel-System as soon as it is within the detection range of a reading unit (LF module) or in the locating field of a LF-locate unit. When in the field, the transponder sends its identification number (ID) and the ID of the detection field or the LF locating point to the receiving unit. This message is transmitted via an HF signal. HF stands for High Frequency (high frequency for data transmission at 868 MHz). As long as the transponder is in the field, it is active and transmits the hF signal every 1.2 seconds. After leaving the field, a consignment is sent again for security. If the transponder is not in the detection field, it is in standby mode.
2. The transponder stores the ID of the most recently passed LF field / location field. As a result, it is possible to determine at an emergency call reduction (at the push of a button on the transponder) of a resident, at which place (field) he stopped last.
3. In addition, the transponder within these fields may trigger a runaway alarm, for example, when a resident leaves a safe area.
4. Furthermore, it is possible to trigger an emergency call from any point in the house by pressing the transponders' button. For this case, it is necessary that there is a complete HF-coverage.

The housing of the transponder is designed to be particularly robust. The underside is translucent, which allows a direct view of the internal electronics and their labeling. The housing is made by means of screws locked. These fittings are designed to be opened and closed for the purposes of battery

replacement. In addition, the housing is equipped with a flat gasket and corresponds to IP 67. The transponder is provided with a short leather strap and clip.

Table data

Dimensions of board (WxHxD)	39mm x 20.5mm x 6mm
Dimensions housing (WxHxD)	47mm x 50mm x 10mm
Degree of protection	IP 67
Weight board	4g // 7g (with battery)
Total weight transponder	26g
Battery	CR2032, 3V
Transmission frequency	868 MHz
Activation frequency	125 kHz
Operating temperature	-20 ° C to + 45 ° C
Material Closure	synthetic bracelet
Mounting	bracelet with pin buckle

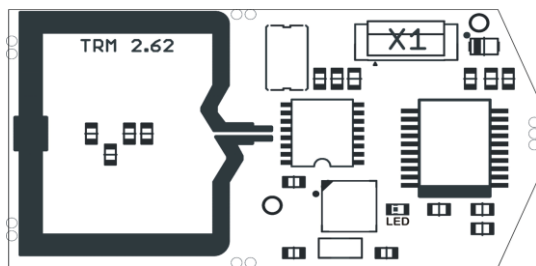


Abbildung 1 Transponder board

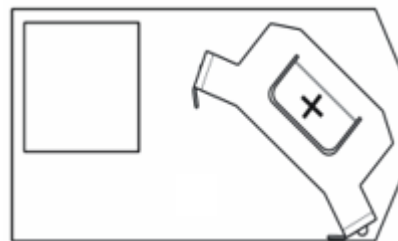


Abbildung 2 Transponder board rear view

Martin Elektrotechnik GmbH hereby declares that the emergency call transponder 2.15 complies with the guidelines 2014/53 / EU, 2014/35 / EU, 2014/30 / EU. The full text of the EU Declaration of Conformity is available at the following website:
<https://martin-elektrotechnik.freshdesk.com/support/home>

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