

Datasheet

Dementia Patient Transponder 2015

V440-117 as a pendant with Colortag Closure

V420-117 as a bracelet with patented Safety Closure



General description

The task of the transponder is to give a message to the Schutzengel-System as soon as it is in the detection field of a reading unit (LF module). The transponder sends its identification number (tag-ID) and the identification number of the detection field (LF-ID). 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 every 1.2 seconds. If the transponder is not in the detection field, it is in standby mode. The housing of the transponder is designed to be particularly robust. The underside is translucent, which allows a direct view of the internal electronics, their labeling and the status display via LED. The housing is closed by means of screws. These fittings are designed to be opened and closed periodically for the purpose of battery replacement. In addition, the housing is equipped with a flat gasket and waterproof. The transponder is equipped with a disinfectable wristband, which can be locked securely with the patented safety closure; optionally with a colortag closure.

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 and ABS-closure /leather-strap with colortag
Mounting	colortag closure or bracelet with patented safety lock

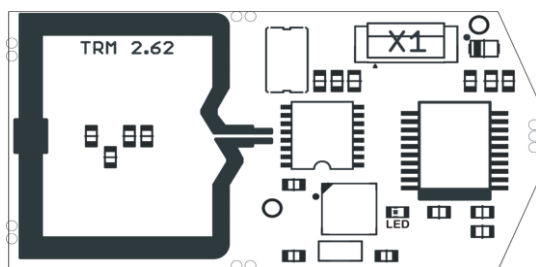


Abbildung 1 Transponder board

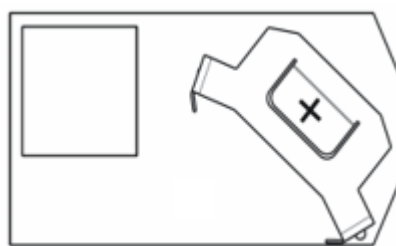


Abbildung 2 Transponder board rear view

Martin Elektrotechnik GmbH hereby declares that the dementia patient transponder 2015 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: www.martin-elektrotechnik.de/downloads.

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