



K-TERM 154

Bluetooth Alarm Box

General

The K-TERM 154 is a Bluetooth low energy module (BLE). It transmits beacon signals according to the iBeacon format. The basic board contains:

- » BLE module with integrated antenna
- » Alarm button
- » LED red, green
- » Vibration / heptic feedback

The following options are available:

- » Temperature- and humidity sensor
- » 3 axis movement sensor
- » Infrared proximity sensor
- » ISM Transmission

Specification

Temperature	-40 to +85°C
Batterie	Lithium 3V
Funktion	2.4 bis 3.8V
Current consumption	65mA maximal 5uA sleeping state
Battery provided	CR2477 / 1000mAh

Lifetime with the following assumptions:

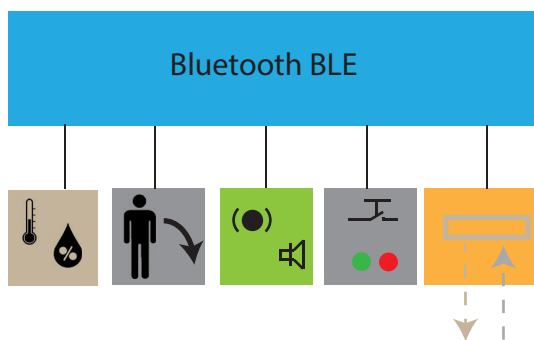
- Transmission interval 500mSeconds.
 - Transmitting power 3dBm
- Functional life approx. 2 years

Alarm Box



Bluetooth BLE Modul

- » Bluetooth 4.2 low energy compatible.
- » Integrated antenna
- » TX power adjustable -28 bis +8dBm in one dBm steps.
- » RX sensitivy -90dBm.
- » Range up to 100 meters depending on case and surrounding.
- » 32-bit ARM Cortex M4 core.
- » Integrated DC-DC Konverter.
- » Transmission interval adjustable between 100 msec up to 30 seconds.



IR proximity sensor

- » IR proximity sensor with separate IR emitting diode.
- » Proximit detection adjustable in the range between direct case contact and maximum 50 cm.
- » Sensor with 100 mx sensitivity.
- » Dynamic range from 1 to 128 klx.

Articles

K-TERM 154 Alarm Box CR2477	6.01.22.0210
-Alarm button	
-LED	
-vibrator	
Options	
Inclination sensor (Man Down)	6.01.22.0250
Temperature sensor	6.01.22.0251
Proximity sensor	6.01.22.0252
Acoustic signalisation	6.01.22.0253
ISM Electronics	6.01.22.0254



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