

SOS-Beacons



Bluetooth Low Energy (BLE), the IoT technology for indoor positioning

Determining accurate positioning in buildings or built-up areas is becoming increasingly important. Especially in the context of lone worker monitoring a fast and precise localization of the injured persons is particularly important to provide the necessary first aid measures on time. The indoor position SOS-Beacon provides detailed standard data in real-time inside buildings. Simple installation/mounting, autonomous power supply (battery) and a service life of up to 1,5 years are important features, which can reduce installation and maintenance costs. The SOS-Beacon Infinite-Life is operated on a dedicated main power supply unit and a battery serves as a backup in case of a power failure. The SOS-Beacon is compatible with the SOS-Mobile App (Android and iOS version) as well as the SWISSPHONE TRIO personal emergency call device.

The most important features

- » Reliable indoor location as an integral part of the SOS stand-alone solution
- » Battery level monitoring via SOS-Portal
- » DIN VDE V 0825 certified components for the SOS solution
- » Suitable for every need: various form factors and power supply variants

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	Performance feature	Technical data SOS-Beacon	Technical data SOS-Beacon Long-Life	Technical data SOS-Beacon Infinite-Life
Connections	Technology	Bluetooth Low Energy	Bluetooth Low Energy	Bluetooth Low Energy
	Transmission power	-21 dBm / +5 dBm (adjustable in 13 steps), default -3 dBm	-21 dBm / +5 dBm (adjustable in 13 steps), default -3 dBm	-21 dBm / +5 dBm (adjustable in 13 steps), default -3 dBm
	Frequencies	2,4 GHz	2,4 GHz	2,4 GHz
	Protocol	iBeacon / Eddystone	iBeacon / Eddystone	iBeacon / Eddystone
Battery and powersupply	Battery type	CR 2477 Lithium manganese button cell, replaceable	2x Lithium L91 AA, replaceable	2x Lithium L91 AA, replaceable 230V power supply 5V, Euro plug
	Nominal voltage / capacity	3V / 1000 mAh	2x 1.6V / 3.1Ah	2x 1.6V / 3.1Ah
	Location interval	500ms, adjustable in certain steps	500ms, adjustable in certain steps	500ms, adjustable in certain steps
	Battery life	approx. 1,5 years	approx. 5 years	Mains operation, 3Mt. Uninterruptable battery power
	Status LED	Red, 1x at power up	Red, 1x power up	Green = mains operation Green flash = Battery Red, 1x power up
Housing	Material	PC / ABS	Lupoy	Lupoy
	Colour	white	white	white
	Characteristics	impermeable to splash-water, UL 94 V-0, non-inflammable	Protection against spray water UL 94 V-0, non-inflammable	Protection against spray water UL 94 V-0, non-inflammable
	Weight incl. battery	32 g	165 g	165 g (exkl. Powersupply)
	Dimensions (H x W x D)	43 x 43 x 19 mm	119 x 119 x 25 mm	119 x 119 x 25 mm (exkl. Powersupply)
	Aprovals	CE	CE	CE
Scope	Temperature	-30 ° C +60 ° C	-30 ° C +60 ° C	-30 ° C +60 ° C
	Humidity	from 0% to 100%	from 0% to 100%	from 0% to 100%

Specifications subject to change



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