

Ex-Beacon



**BLUETOOTH LOW ENERGY
LOCALIZATION BEACONS**



Ex-Beacon
for use in Ex-hazardous areas

BLE BEACONS are small radio beacons that emit a signal at periodic intervals. The Bluetooth 4.0 standard makes the beacons compatible with currently popular Android smartphones and they can be recognized by such devices over a distance of up to 200 m. The beacon signals can be evaluated by the mobile device via individual applications and, in this way, interact with the user or other programs.

AREAS OF APPLICATION

- Beacon as replacement for NFC beacon
- Indoor localization
- Guiding visitors
- Physical access control
- Temperature measurement

- Lone worker protection
- Guard control system

TECHNICAL DATA

Compatible with Bluetooth Low Energy from version 4.0

ATEX Zone 1/21 also available as Standard Version

Max. transmission power 8 dBm

Range inside buildings up to 30 m, outdoors up to 200m

Battery life 2 - 5 years for real time tracking
(500ms transmission interval)

Open firmware for individual BLE profile development (TI CC2541)

Internal physical interface for software upgrades

Possibility to change important operating parameters „over the air“

IP65 Stable UV-resistant enclosure (can also be used outdoors)

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