

868MHz/BLE wireless emergency button with RFID



Curatech has more than 30 years expertise in design, production of personal alarm systems and wireless applications. With the Curatech Wireless Transmitter you can easily add wireless alarm functions to your application.

The transmitter is equipped with a high quality ISM (868 MHz) radio chip, a Bluetooth Low Energy[®] (BLE 2.4GHz) radio and a low frequency RFID (125 KHz) receiver. All antennas are suited on the PCB. An acceleration sensor for battery saving is also supported.

Add easily wireless functionality to your equipment.

The CT868MHz/BLE emergency button is compatible with all Curatech receivers (DOS series) and Curatech personal alarm systems (CT series). Depending on local circumstances the range can be up to 200 meters.

The emergency button is compatible with the generation 1 and 2 Curatech protocols.

The BLE radio can be used for beacon functionality in 2 different intervals for battery saving during non-movement.

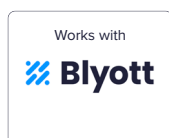
An LF-RFID wakeup receiver is integrated for detecting 125KHz magnetic fields.

The RFID technology is only Compatible with Curatech CT-Beacons.

Using the Curatech long-range RFID technology you can easily control access doors automatically with an accuracy of 50cm.

FEATURES

- Waterproof IP67.
- Safety cord for enhanced safety.
- Hygienic and easy to clean.
- Replace battery message.
- Automatic periodic test message.
- Optional press force reductor clip.
- Software update via FOTA.
- Wireless configuration via BLE.
- Wearable as pendant and wrist watch.
- BLE iBeacon functionality for indoor location.
- Dual beacon intervaltime for battery saving.
- High accuracy Indoor location with RFID.
- Curatech long-range RFID technology.
- ISM 868MHz transmitter.
- Support generation 1 and generation 2 Curatech protocols.



Specifications

Power supply	Factory replaceable CR2430 or optional CR2450 battery
Battery lifetime	10.000 ism messages
Range	Up to 30m indoor (BLE), up to 200m outdoor (ISM transmitter)
RFID accuracy	50cm
RFID range	3,5m
Frequency	2.4GHz, 869.2125MHz/869.2375MHz, RFID 125kHz
Protocols	iBeacon, Curatech
Standards	CE
Dimensions	41x42x12mm
Ambient temperature	-20 - +60 °C
Weight	16 gram