Global Tag BRACELET FOR SOCIAL DISTANCING BEACON BLE with Vibration, and LED is a BLE (Bluetooth Low Energy 4.2) Smart Beacon designed to make sure people keep the safety distance between them. The most important additional feature (in red color, below in this document) it’s the immediate activation of alarms for social distancing, through vibration and led. It has been developed to meet all the functions requests due to pandemic Covid19.

- Bracelet plastic housing
- **ON/OFF button** with additional functions (reset, alarm)
- USB rechargeable Battery
- G-Sensor for man-down application
- Up to 50m detection distance
- iBeacon and Eddystone (UID, URL, TLM) compliant
- Body Temperature (optional)

- **GATEWAY FUNCTION FOR SOCIAL DISTANCING AND CONTACT TRACING. BEACON CAN LISTEN AND DETECT ANOTHER BEACON IN THE PROXIMITY AREA** (from 1meter to 2meters.). When it occurs, the beacon can:
  1) Emit light signals (blinking LED)
  2) Start to vibe
  4) Send a special “Contact” advertising packet to allow the Safety manager to intervene promptly.
  5) Store into beacon memory the Mac Address of the beacons detected in the proximity area.

- BEACON CAN ALSO COMMUNICATE WITH SMARTPHONES OR GATEWAY DEVICES.
- ADDED A WHITELIST TO NO HAVE ALARM WITH FAMILY PEOPLE.
MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 280mm length
Thickness: 8mm
Weight: 55gr (including battery)
Material: PC (Polycarbonate) and soft plastic rubber
Color: Black (customized on request).
Class Protection: IP67
Battery type: rechargeable battery 90mAh
Battery life: 6 month (with Broadcast Interval: 1 second and Tx Power: 0dB). IF THE GATEWAY FUNCTION IS ON, battery life is about 10 days, but it can reach up to 20/30 days, according to the configuration.
System-On-Chip (SoC): Nordic 52832
Storage Temperature: -15°C to +50°C / 5°F to +122°F
Operating Temperature: -15°C to +45°C / 5°F to +113°F
Delivery format: Singulated
Expected lifetime: Years in normal operating conditions
G-Sensor: ST Microelectronics mod. LIS3DH
Temperature sensor: for body checking

ELECTRONIC AND OPERATIVE PARAMETERS

Operation Frequency: 2400-2483,5MHz
IEEE Standard: 802.15.1 (Bluetooth 4.2 Low Energy BLE)
Transmission distance: up to 200 meters
Transmission Power: 4 different Level (-23dBm / -6dBm / 0dBm / +4dBm)
Default Broadcast Interval: 1s.
Broadcast Interval: 100ms to 10000ms. (step of 100ms) -optional “Longer Broadcast Interval FW, up to 6 hours.
Support Operating System: iOS7.0 and Android 4.2+ or third part devices
Scan Response: Yes (max 31Byte Length), containing Battery level, Device name (11 Byte), Sensors value
FCC and CE Certification
CUSTOMIZATION OPTIONS

Housing Printing: Logo printing or serial number laser engraving
Label on surface: Label can be customized according to customer’s request
Setting / Encoding: Beacons services values can be pre-set as per customer’s requirement (from xls file)
Available sensors: Accelerometer, body temperature.

APPLICATION NOTE

CONTACT TRACING
SOCIAL DISTANCING
Indoor Asset Tracking
Indoor Positioning
Worker Safety
Healthcare

PRODUCT CODE AND ORDER INFORMATION

GT-BBY_CTF-BLE: Beacon with full contact tracing and social distancing functions

For any clarification, please do not hesitate to contact us at any time:
Global Tag Srl – Via Zanardelli 13/A, 25062 Concesio (BS) - Italy
P +39 030 2005259
S global-tag
W www.global-tag.com
M sales@global-tag.com

DISCLAIMER

The information in this document is subject to change without notice. Global Tag assumes no responsibility for any errors that may appear in this document.
Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general purpose product not designed or intended for any specific application.
Global Tag Srl or its subsidiaries are not responsible for the performance or support of third party products and does not make any representations or warranties whatsoever regarding quality, reliability, functionality, or compatibility of these devices or products.

© Copyright 2020 - Global Tag Srl

www.global-tag.com