DB01 and BT01

HARDWARE

- BT01 IP67, DB01 IP65 Environmental Rating Enclosure
- Temperature Range: -20°c to +60°c
- Dimensions :
  - DB01: 101 mm x 42 mm x 11.5 mm
  - BT01: 66.5 mm x 56 mm x 6.7 mm
- Batteries:
  - DB01: 1x CR2450 3v Button Batteries
  - BT01: L i-MnO2, Lithium manganese battery
  Fasteners
- High Intensity LED
- Sensors:
  - Temperature
    - -20°c to +60°c
    - Accuracy +/- 1°c
  - Accelerometer (**Not on BT01**)
    - 3-Axis Digital
    - RoHS Compliant
  - Light
    - Close to human eye response with excellent IR/UV rejection

RADIO

- Bluetooth 5.0 Low Energy Radio
- Transmit Power: +8 dBm
- Receiver Sensitivity: - 98 dBm
- Integrated Chip Antenna
- Sleep Mode Current: 0.5uA
- Range up to 500 meters

HUMIDITY DATA

The humidity data shows the current humiditye in Relative Humidity at approximately 1 minute intervals. The operating humidity range of the beacon is ±2% RH/ (0%~100% RH)

IMPACT DATA （**Not on BT01**）

The live impact counter represents a counter of how many times the x, y, or z axes have experienced accelerations exceeding a threshold (default at .7g). The counter is stored as a value from 0-255, and then rolling over back to zero.

TEMPERATURE DATA

The temperature data shows the current temperature in degrees Celsius at approximately 1 minute intervals. The operating temperature range of the beacon is −20°C to +60 °C.

LIGHT DATA(**Not on BT01**)

The beacon takes light readings at approximately 1 minute intervals. The live light data shows the current light readings between 0 and 255. The beacon's light sensor is pre-set with a full-scale range of 16000LUX.

BATTERY LEVEL

The battery level is represented as the approximate state of the battery in percent. It is read as a value between 0-100.

FIRMWARE

- Remote OTA Upgrade
- Configurable Tx Power, Advertising Interval
- Battery Level
- iBeacon Licensed

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