



Low Energy RF (BLE compatible) Beacon with Level Detection Mechanical Switch

Model: AC-BLE-T110TP



Industrial grade RF beacon

AC-BLE-T110TP is a RF (iBeacon Compatible) Beacon specially designed for Level detection application. The beacon is embedded with digital I/O to detect the status change of the Mechanical switch. By bundling with our AC-BW-R120 WiFi-RF Receiver, the realtime status can be sent to application server through existing WiFi network

Electrical Specification

- Bluetooth 5 Compatible
- iBeacon Compatible
- Chipset: Nordic NRF52840
- 256kB RAM, 1MB Flash
- Frequency: 2.4GHz
- Battery Type: CR2477 (3V 1000mAh) Coin Battery for optimal lifetime and compact size
- Programmable Beacon Power and duration
 - BT4.2 Advertise or/and Long Range (PHY Coded) Mode
 - Transmission range upto 200m (with Long Range Phy Coded)
 - Android management Apps
- Flexible setting for different application
 - Interval: From 50 to 9999ms
 - Power: -20, -16, -12, -8, -4, 0, +2, +3, +4, +5, +6, +7, +8 dBm.

Beacon ID format

i-Beacon Format include embedded data such as MAC Address, UUID, Major, Minor, Battery Level, Power.

Environmental Specification

Beacon:

- Operating temperature: : -25°C to +75°C
- Material: ABS
- Weight: 58g (with battery)
- Size: 96.5 x 50 x 40mm

Mechanical switch:

- Normal Open Switch
- External Wire Material: Nylon
- External Wire Length: 1.2m
- External Weight: 65g

*External Weight can be changed manually for different application, such as Float Valve in water level detection.