



Low Energy RF (BLE compatible) Beacon with Water Detection Sensor

Model: AC-BLE-T110F



Industrial Grade RF Beacon

AC-BLE-T110S is a RF (iBeacon compatible) beacon specially designed for water detection. The beacon is embedded with digital I/O to detect water accumulation at drainage cover or other point of interest. By bundling with our AC-BW-R120 WiFi-RF Bridging Device, the realtime status can be sent to application server through existing WiFi network

Electrical Specifications

- 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 in compact size
- Programmable setting for different applications
 - BLE 4.2 Advertising or/and Bluetooth 5 Long Range (Coded PHY) mode
 - Transmission range up to 200m (with Long Range Coded PHY)
 - Android management app
- Flexible transmission power and interval
 - Power: -20, -16, -12, -8, -4, 0, +4 dBm.
 - Interval: From 50 to 3,600,000 ms

Beacon ID Format

iBeacon compatible format including data such as MAC address, name, battery level, power, broadcast interval, I/O triggered alarm

Environmental Specifications

- Operating temperature: : -25°C to +75°C
- IP68 water & dust resistant
- UV protected
- Material: PC/ABS

Extended Battery Compartment (Optional)

- Attachable extended battery compartment accessory for extra long battery life
- 2 x Type-C 1.5V batteries
- Appr. 5000 mAh
- IP68 compliant
- UV protected
- Material: PC/ABS

