



# Low Energy RF (BLE compatible) Beacon with Flood Detection Sensor (Rope)

Model: AC-BLE-T110R



## Industrial grade RF beacon

AC-BLE-T110R is a RF (iBeacon Compatible) Beacon specially designed for flood detection. The beacon is embedded with digital I/O to detect flood at drainage or other point of interest on any point of the Detection Rope. By bundling with our AC-BW-R120 WiFi-RF Receiver, 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 3600000ms
  - 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, (flood sensor status can be embedded in Major, Minor or UUID)

## Environmental Specification

### Beacon:

- Operating temperature: : -25°C to +75°C
- Size: 60.3 x 43.3 x 21.1mm
- IP68
- UV resistance
- Material: PC/ABS

### Sensor:

- Normal Open Rope
- Length: option 1m, 5m, 10m
- Diameter: 6mm
- Material: PE/ Conductive Plastics