

MT-02BDC — PRECISE LOCATION BASED COLLAR TYPE MOBILE PERSONNEL TAG

It is used to determine the position of personnel with sub-meter accuracy at indoor and outdoor areas.

It detects position and status of personnel with precise location and help call functions.

It detects sudden falls or long-term inactivity with motion sensor inside.

It charges via micro USB and can be used for months on a single charge.

**ACTIVE USED SECTORS**

- Agriculture
- Construction
- Production
- Health
- Mining
- Automotive
- Logistics
- White Goods

APPLICABLE MODULES

- Real Time Person/Equipment Tracking System
- Social Distancing System
- Lone Worker System
- Safezone Collision Avoidance System

GENERAL FEATURES

- Distance measurement accuracy is 20 cm
- Compatible with passive RFID access systems
- 2 months use on a single charge (0.2Hz RTLS)
- Motion sensor for inactivity and fall detection
- Remote firmware update
- Slim design
- 2 programmable buttons, 2 status leds

MT-02BDC ——— PRECISE LOCATION BASED COLLAR TYPE MOBILE PERSONNEL TAG**TECHNICAL FEATURES**

Data Communication	RF, UWB
Working Method	TOF, RSSI
Range	-
Pulse Period	Adjustable
LED Indicators	Battery Status, Pulse Frequency
Sensors	Motion, Free fall
Communication Frequency	2.4 GHz Standard / 4.24 - 4.74 GHz UWB
Antenna Type	PCB, 1.6dbi
RF Power	0 dBm - 2.5 dBm
Protocol	IEEE 802.15.4 - IEEE 802.15.4 a WPAN
Security	128 bit AES (optional)

PHYSICAL FEATURES

Dimensions	91 mm x 62 mm x 7 mm
Weight	32 gr
Working Temperature	0 C / 60 C
Relative Humidity	0-95%, non-condensing
Protection Class	IP54
Shock Resistance	3g
Case	ABS
Battery	3.7V Rechargeable 300mAh
Estimated Battery Life	1 - 3 months (depends on signal transmission frequency)

OTHER FEATURES

DC Operating Voltage	Mikro USB 5V DC
AC Operating Voltage	-
Remote Firmware Update	Yes
Communication Interface	-
I/O Interface	-
Certification	CE, FCC



NEW GENERATION INDUSTRIAL IoT & RTLS SOLUTIONS

Real time equipment, employee,
vehicle location and status tracking
in industrial environments

**Make better operational
assets, secure equipments,
and smarter tools**

Increase overall operational efficiency and
make your workplace safer with Wipelot IoT



Asset & Equipment Monitoring

Track real time status and location of motorized
or non-motorized vehicles and equipments



Employee Monitoring

Track employee locations with centimeter
sensitivity both indoor and outdoor



Work Safety

Prevent forklift-to-employee collisions,
monitor a person's instant actions such as
free falling, stop moving or fainting



Monitoring Environment Parameters

Monitor gas, dust, temperature-humidity-light
levels wirelessly

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