

ZONITH A1 (ZONITHA1)

Enclosure

Material: ABS

Color: White

Size: L: 38 x W: 38 x H 5.5 mm

Weight: 10g

Waterproof: Yes (IP67)

Bluetooth Technical Data

BLE4.0/BLE5.0

Approvals and declaration of conformity

CE, FCC

FCC ID: 2AJ8P-ZONITHA1

Temperatures

Working: -20°C to +60°C

Storage: 10°C to +25°C ≤65%RH

Battery

Type: Rechargeable Li-Polymer battery

Time between charging:

1 month approximately if connected to smartphone.

2 months approximately if used as standalone device only communicating with ZONITH Gateways.

Estimate based on room temperature [20°C]

After 300 charges the battery will decrease to below 80% of initial capacity



Transceiver

Tx Power: 0dBm

Broadcast interval: 1000ms

Frequency: 2.4 – 2.485 GHz

Range

Max distance to Smartphone: 15 meters (50 feet) in open space

Max distance to Gateway: 15 - 25 meters (50 – 80 feet) in open space

Charging

Charging via magnetic charger supplied with device.

Country of origin

China



Charging:

Charging is done with the supplied charging cable connected to the Magnetic charging port. Connect the USB port to any USB charger.

During charging the Charging LED will light up in red. When the ZONITH A1 is fully charged the Charging LED will turn off.

Charging shall only be performed when battery is below 20%. Charging too often will damage battery and that is not covered by warranty.

Alarm Button:

The ZONITH A1 supports two types of alarms or events from the Alarm button, defined by a double click and a long press.

Event	Description
Double click	Two “click and release” of the button in less than 1 second
Long button press	Press and hold the button in at least 2 seconds.

The action that is initiated for the two types of events is defined in server part of the ZONITH solution.

The ZONITH A1 stays in any of the two alarm states in for 1 minute. When double click is triggered then the Alarm LED will blink red. When the long press is triggered the Alarm LED will be solid red. When the ZONITH A1 leaves the alarm state the LED will turn off.

Disclaimer

Environmental factors and building constructions may adversely affect the wireless signal range. Faulty home or appliance wiring could cause fire or damage the device. Devices requires constant power and constant Internet connection to function properly. Product specifications, size and shape are subject to change without notice, and actual appearance may differ from that depicted herein.