iWATCHER®
made by SPETROTEC

LOCK

Smart lock for the protection and tracking of properties

The smart lock was developed to change the current situation - through the use of the iWatcher Lock, which incorporates the most advanced technology, it is not only possible to lock the property, but also to inform the owner of the property about break-in attempts. The smart lock provides physical locking of the property and sends real-time alerts, through SMS or data communications, directly to the application or the computer. Alerts include location and reason for the alert, such as break-in, opening, locking, etc.

iWatcher Lock is the ultimate solution for protecting, tracking, and controlling properties. Developed for logistics and security purposes, for a variety of uses: containers, gates, warehouses and shops, motorcycles, remote sites such as cellular sites, heavy equipment and trailers.

With smart algorithms and innovative technology, the lock can be operated for a long period of time without the need to recharge or replace the batteries - up to 3 years or a transmission of about 1,200 alerts. In addition, the lock has a unique locking mechanism, designed by one of the leading companies in the field especially for the iWatcher Lock.

Advantages:

- Security and monitoring over a long period of time, without charging or replacing batteries
- Real-time alerts to the mobile phone
- Reception of accurate location in each alarm
- Quality locking mechanism
- Suitable for harsh environmental conditions
- Convenient and user friendly

Technologies:

GPS tracking device

GSM cellular communication mechanism

Sensors for lock diagnostic status

High capacity batteries

Unique physical locking mechanism

Resistance to harsh environmental conditions - hardened case

Technical Specifications

GSM
- GSM Quad-Band: 850 / 900 / 1800 / 1900 MHz
- GPRS Class 10
- GSM quad band antenna - 50 Ohm
- Integrated micro SIM Card holder
- 3G-optional
- LTE CAT M1 & NB1-optional

GNSS
- 72-channel U-blox Max-M8
- GPS/QZSS L1 C/A, GLONASS L10 F
- SBAS L1 C/A: WAAS, EGNOS, MSAS
- Tracking: -166 dBm
- GPS-GLONASS internal antenna

Electrical Characteristics
- Deep sleep mode < 40 Micro A

Batteries
- 2 AA 3.6V- 2,200 mAh

Communication Modes
- SMS/GPRS

Notification Modes
- Mobile Application
- SMS
- Ring-optional

Certificates
- CFR 47 FCC Class B
- ETSI EN 301 489-1 V2.1.1 Class B
- ETSI EN 301 489-17 V3.1.1 Class B

Miscellaneous
- Built in 3D G sensor

Enclosure
- PA6+ 45% GF
- IP65 version

Operating Temperature
- (-40ºC to +85ºC)

Weight
- 823 gr (without batteries)
- 873 gr (with batteries)

Dimensions
- Shackle Size: 50 mm / 100 mm
- Without Shackle and Key:
- Length: 102 mm
- Width: 78 mm
- Height: 52 mm

Alerts
- Burglary Attempt
- Lock Opened/Closed
- Case Opened/Closed
- Daily status alert ("Alive")
- Low Battery