



iWATCHERTM MOTO

made by SPETROTEC

Motorcycle Tracking & Alarm Device

Product Description:

i-WatcherTM MOTO is a versatile and cost-effective GSM/GPS cellular alarm and control unit, that prevents stealing attempts and provides on-line tracking capabilities for motorbikes.

Utilizes the Global Positioning System (GPS) to lock on motorcycle coordinates and use the GSM cellular network for controlling and monitoring the motorcycle status by SMS and GPRS communication channels.

The smartphone application is a user friendly, graphic interface that enables to control the i-Watcher remotely and to receive the essential information and alerts from the motorcycle.

The unit also incorporates flexible I/O signal and there is option of water proof..

Designed to meet strict automotive standards for durability, power consumption and temperatures.

The App. enable to get a control over the i-Watcher unit by mean of : real time motorcycle location on On-Line Map , getting alerts on over speeding, fall, Tilt and theft events, low battery and battery cut off status, prevent ignition back in case of theft attempt, Arms and Disarms the system, Ignition status(on/off) and motorcycle status (driving, parking).

Benefits

- Ability to locate your motorcycle in real time on On-Line Map using Smartphone application.
- Ability to Arms and Disarms the motorcycle security system remotely with using one of the following options:
 - ✓ proximity card
 - ✓ wireless code remote

And with the smartphone application.

- Provide alerts on theft attempt, over speeding, Towing, fall, low battery and battery cut off.
- Prevent ignition back in case of theft attempt.
- Characterized by low power consumption, long standby time with internal battery.
- Incorporates multiple I/O interfaces for monitoring and control.
- FOTA (Firmware Over The Air) update capability.
- GPRS or SMS communication.



Technical Specifications

GSM

- GSM Quad-Band: 850 / 900 / 1800 / 1900 MHz
- GPRS class 10
- Onboard GSM quad band printed antenna - 50 Ohm
- Integrated SIM Card holder
- 3G - optional

GNSS

- Internal GPS Module based on 56-channel (U-Blox) Max 7 Engine
- GPS/QZSS L1 C/A, GLONASS L1 FDMA,
- SBAS: WAAS, EGNOS, MSAS
- Accuracy GPS / GLONASS position of 2.5m CEP/4.0 m
- SBAS 2.0 m CEP
- Tracking: -162 dBm / -158 dBm
- GPS-GLONASS Internal antenna

Interfaces

- 4 digital inputs – 2 Active Low + 2 Active High.
- 4 digital outputs
- RS232 for maintenance
- 2.4 GHz wireless communication

Electrical characteristics

- Operating Voltage 12 – 24 V DC
- RF receiver ON < 8.6mA
- Standby mode < 4mA
- Deep sleep mode < 2 mA
- Backup battery - Li-ion 3.7 v/1000 mAh

Communication Modes

- SMS/GPRS /RS232

Operation

- Cellular application or SMS based communication.

Miscellaneous

- Red indicator LED
- Built in 3D G sensor

Alerts

- Over speeding
- Tow and Tilt
- Battery cut-off and low level
- Ignition state (ON/OFF)
- Motorcycle state (Arm , Disarm , Alarm , Driving)
- Position + Last Time Stamp
- Alerts can be sent up to 2 Cellular Phones

Controls by Application or SMS

- Remote arm/disarm
- Remote "prevent ignition back"
- Remote siren activation
- Get status

Operating temperature

- (-30°C to +85°C)

Dimensions

- Length 83 mm
- Width 71 mm
- Height 29 mm

Weight

- 82 gr (without cable)

Enclosure

- Nonflammable PC-ABS
- IP-67 version – optional

Accessories

- RF Proximity Card for driver identification or Wireless remote controls– 2 units per i-Watcher Cellular Alarm.



Alert on speeding



Towing alert



Theft alert



Remote siren activation



Prevent ignition back



Arm and Disarm



Arms and Disarms with Wireless card remote



Arms and Disarms with original car remote keys



Arms and Disarms with Proximity card



Locate your vehicle



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